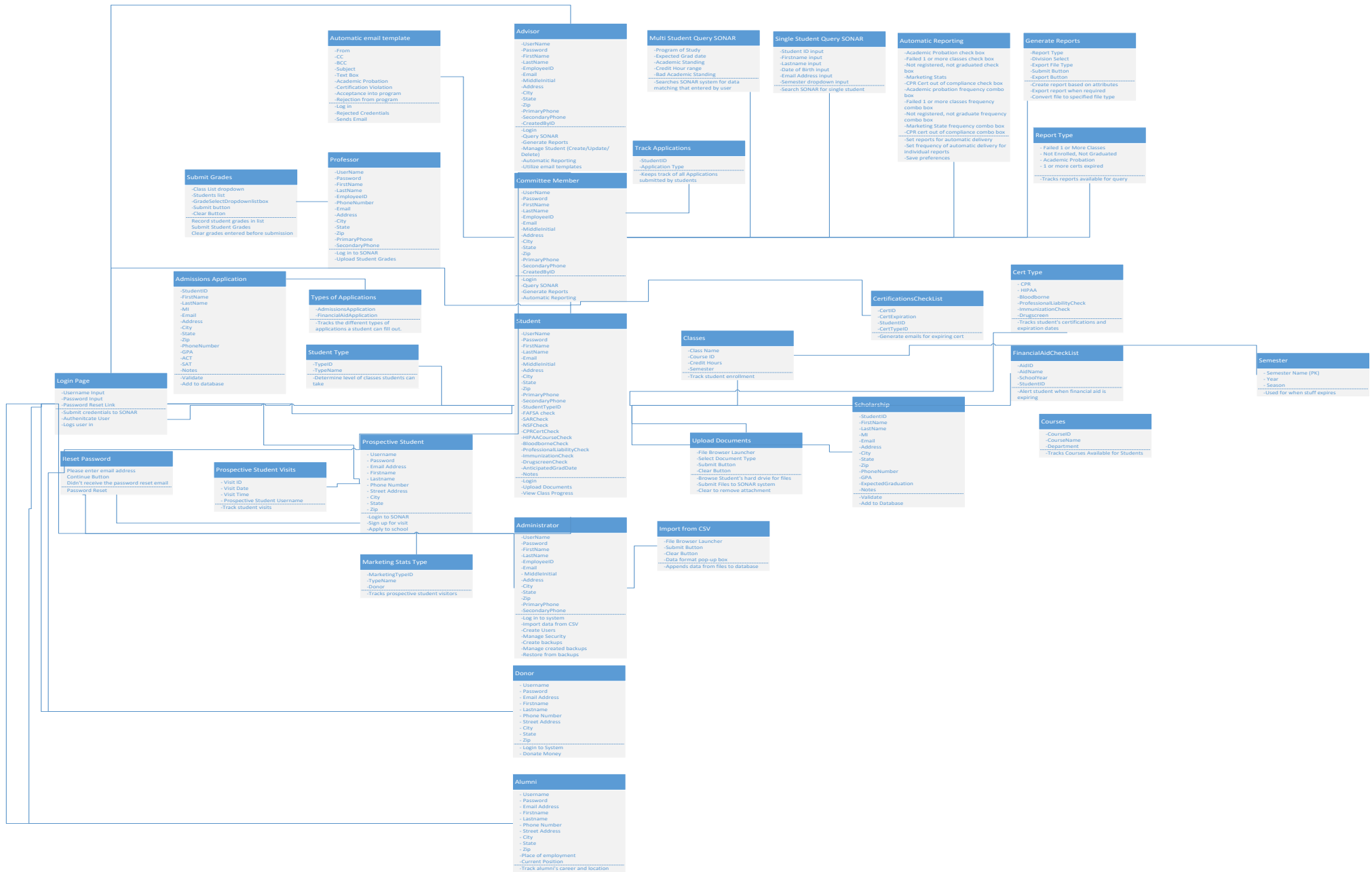


## Class Diagram

This is a visual representation of all the classes our system will include. A class is essentially the blueprint for an object (objects would be things like students, professors, admissions applications and so on). This blueprint lists every attribute an object can have, and is used directly to create objects when the system is running. The classes within a class diagram list the class name at the top, followed by the attributes in the next section, and in the last section each class lists the methods (actions) available to each object of a particular class. The following is the class diagram we have put together for the SONAR system:

## RATC Group

## SONAR



## ERD

An Entity Relationship Diagram represent all the tables that will be present within the database of our system. Each table in the diagram contains the table name, as well as the attributes for each class. The difference between an ERD and a Class Diagram is that an ERD does not list the actions an object of a certain class will be able to take, but rather the keys (primary and foreign) within each table of the database. A primary key (denoted with PK) is the unique identifier for a specific table. A foreign key (denoted with FK) is a unique identifier (primary key) in another table. By giving each table a uniquely identifiable attribute, and placing the same attribute in other tables, we create relationships among the tables. The relationships created with these keys can vary. If you look at a table, and follow a line coming out of it (representing the relationship with another table) to the connecting table, you will see one of several things:



- This represent a zero to many relationship, think of it this way, a professor may teach zero to many students in a semester depending on what they are doing.

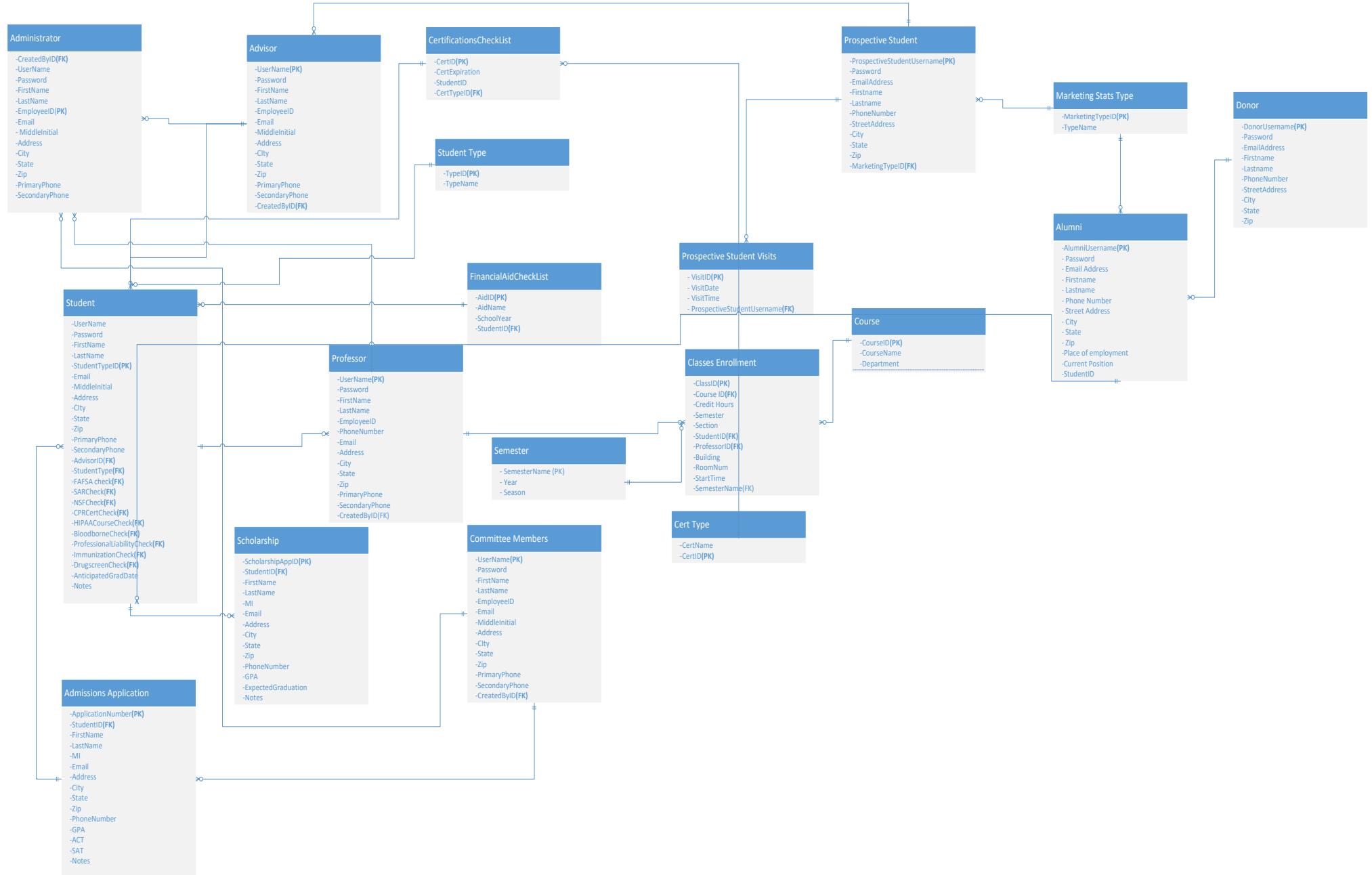


- This represent a 1 and only 1 relationship, think of it this way, a student can be one, and only one, kind of student (an example would be a lower division student, a student cannot be both an upper division student AND a lower division student at the same time.)

The following is our ERD for the SONAR system.

## RATC Group

## SONAR

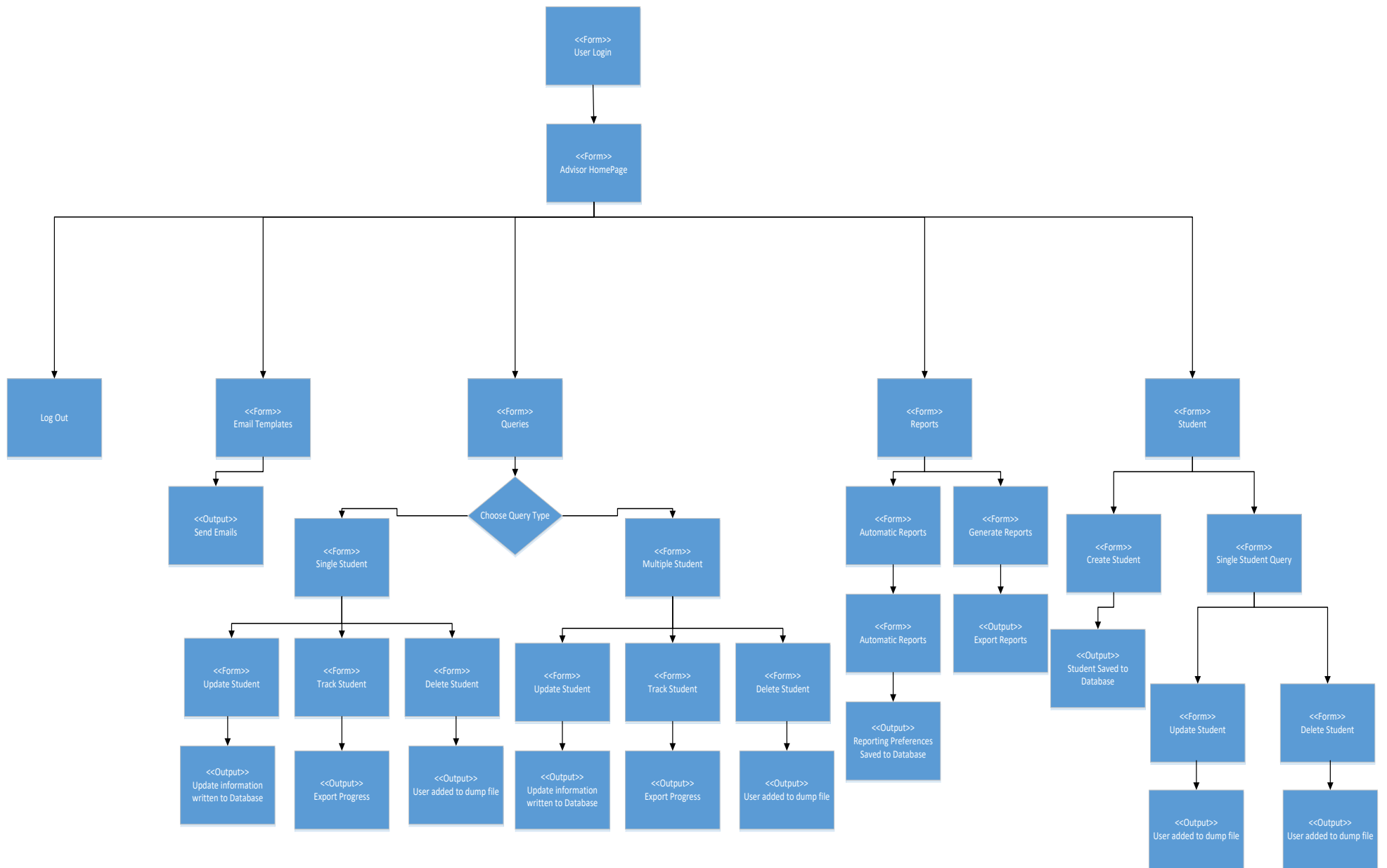


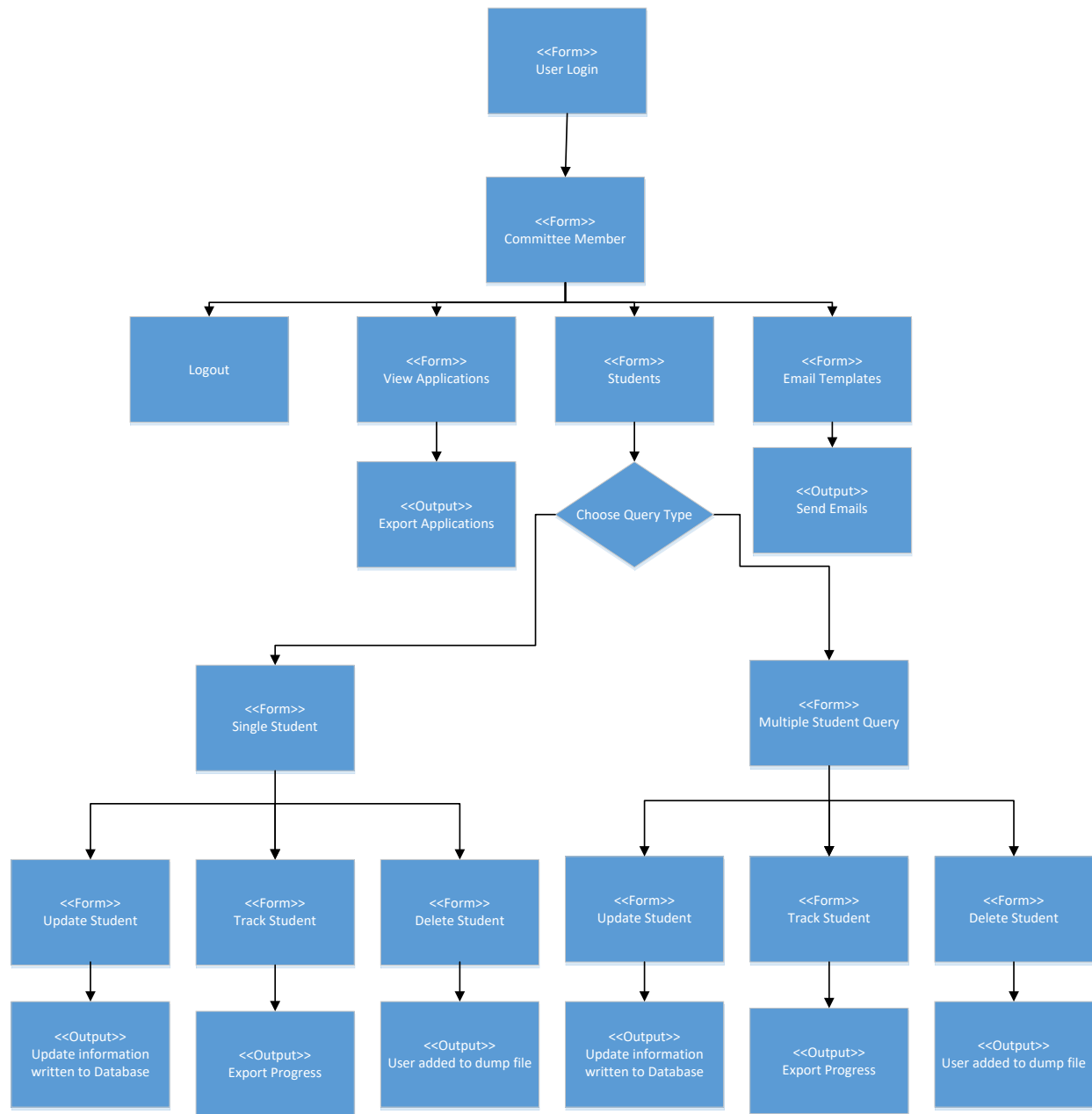
## WND

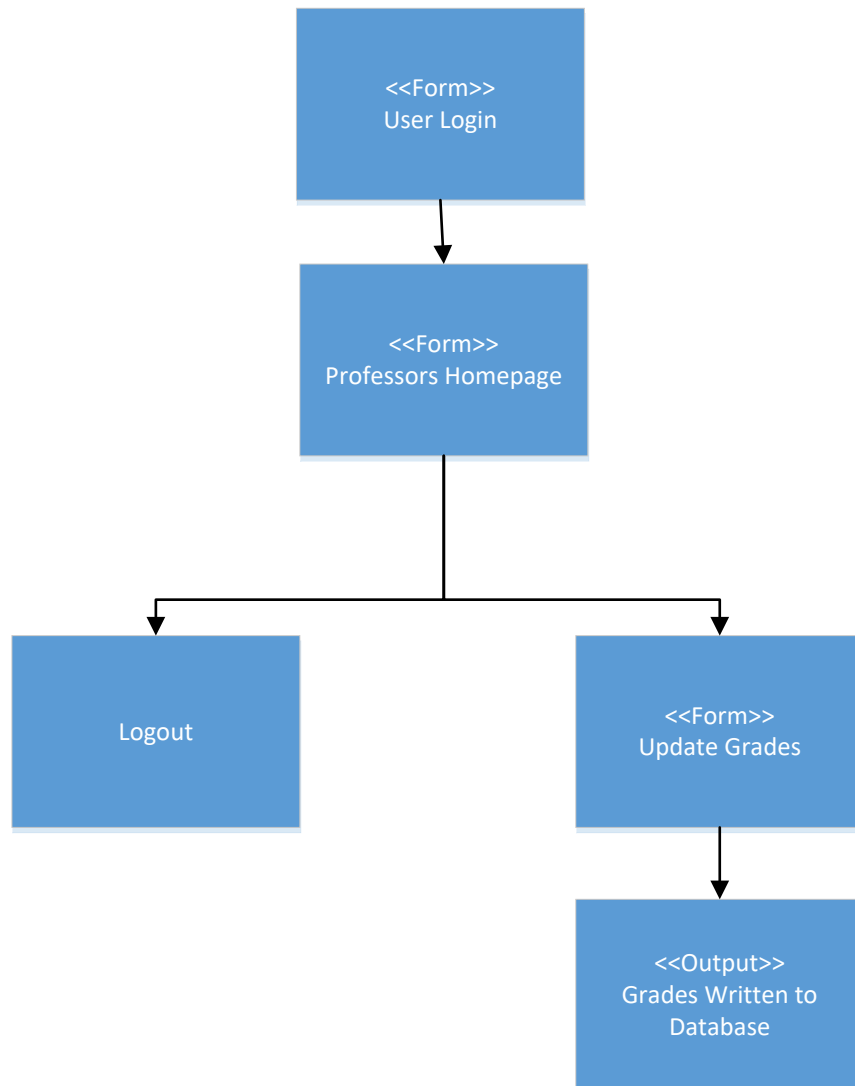
The Window Navigation Diagram is a simple layout of the navigation options possible for a user of the system. Our diagram shows forms, which would be actual web pages (see the prototypes section for examples) that accept input, and the act on it. The outputs are the results of users such as advisors using the forms within the system. The following is a simple Window Navigation Diagram for the different kinds of users of our SONAR system:

## RATC Group

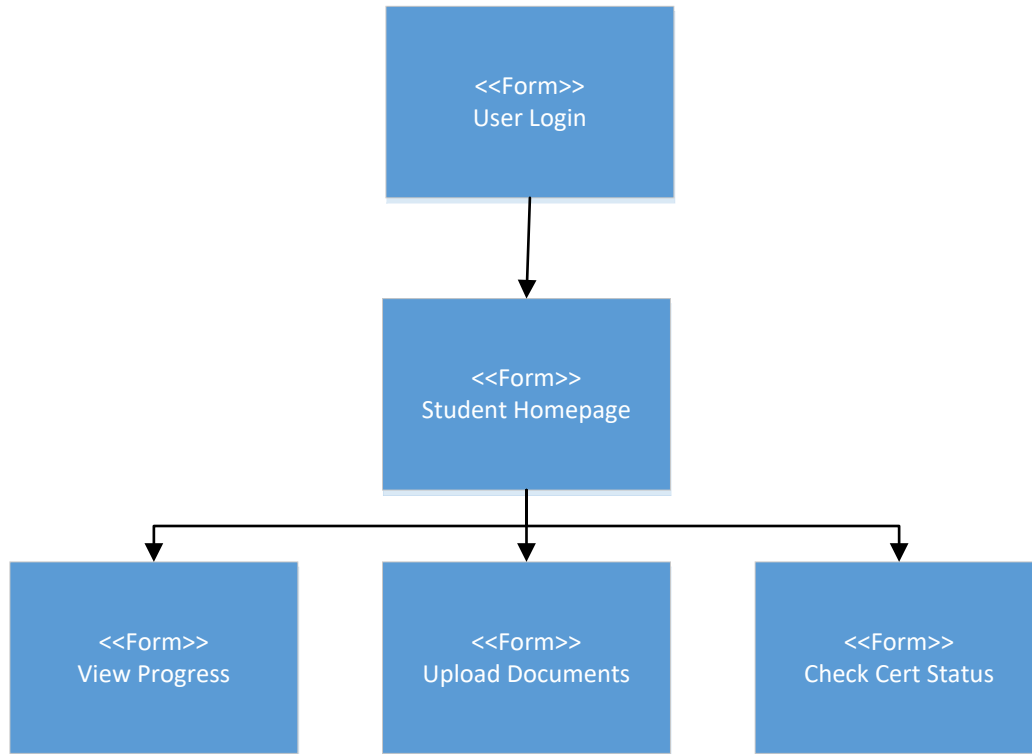
## SONAR

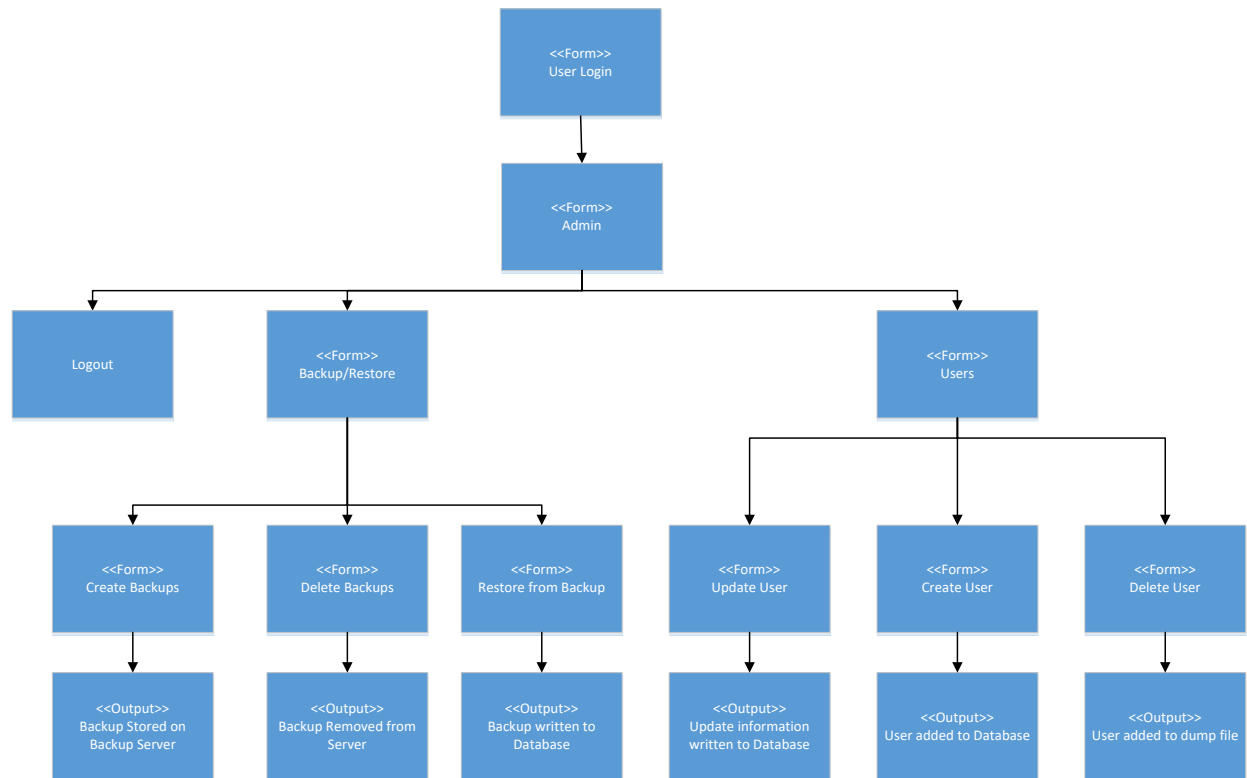


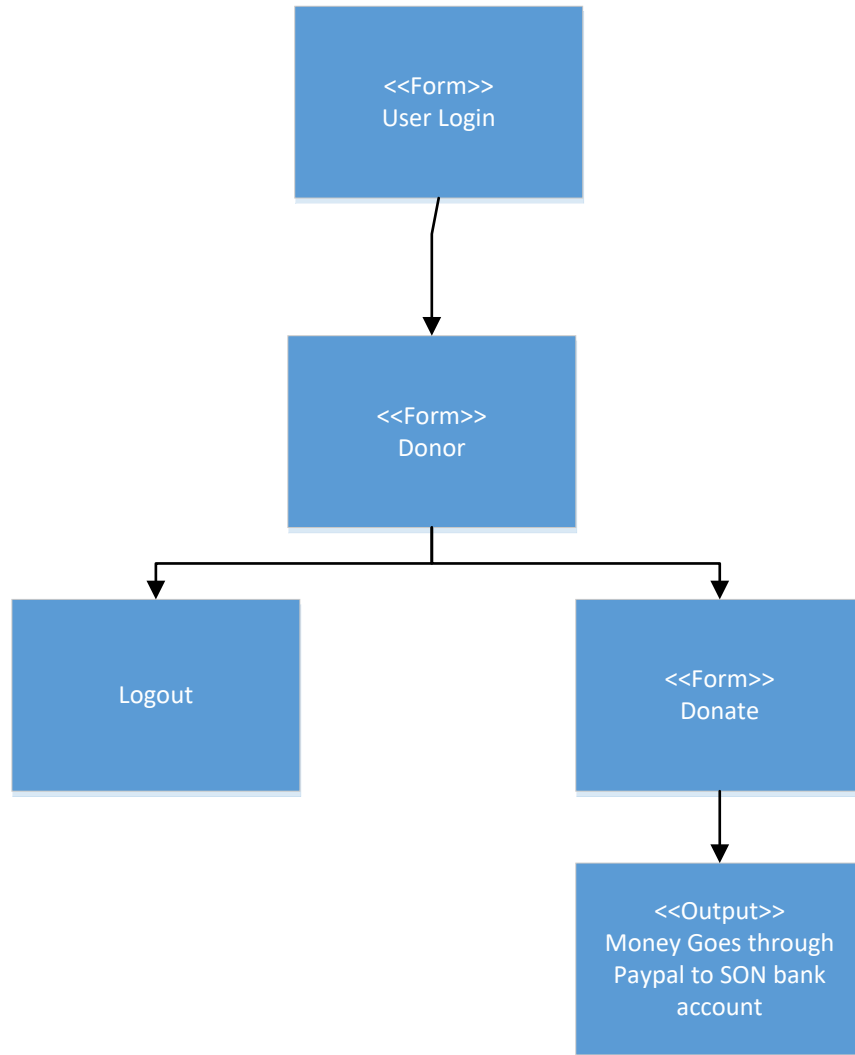


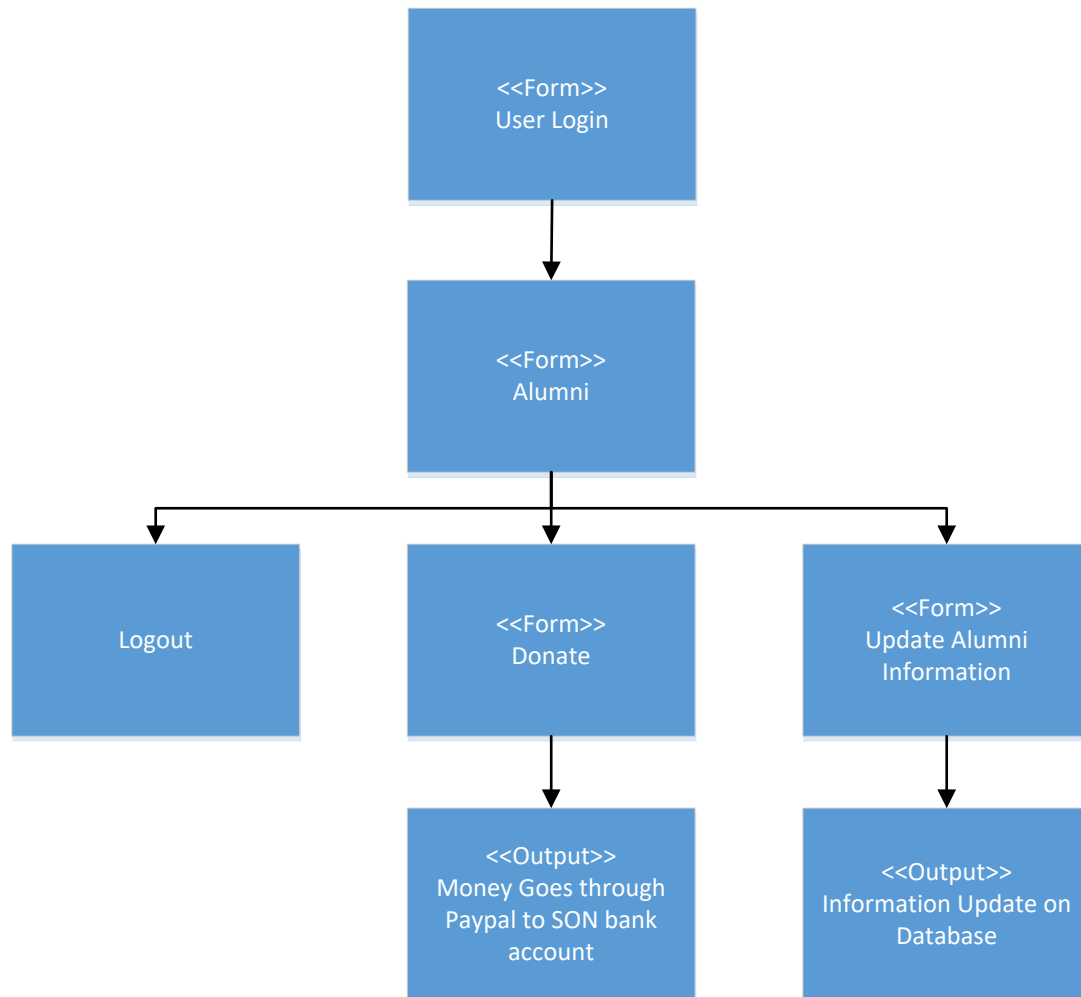












## Data Dictionaries

Data dictionaries are simply used to list the fields (columns) a table will have as well as the information regarding each field. In the following dictionaries, we include the field name, a brief description of what the field represents, the size of the field (for calculating storage requirements), and finally whether a field is the unique identifier (primary key, or PK) in the table and/or whether the field is a unique identifier (foreign key, or FK) in another table.

## Admissions Application

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Application Number	Unique identifier for admissions application submitted	int	4	Pk
StudentID	Identifier to identify individual students saved in the database.	uint	4	FK
First Name	Common Name for the user	varchar	10	
MI	Middle initial of user. Can be used to identify users who might have the same first and last name.	varchar	1	
Last Name	Surname of the user	varchar	10	
Email	Primary email that can be used for sending out notifications	varchar	30	
Address	Physical address of the user for mailing purposes.	varchar	30	
City	City in which the donor resides.	varchar	20	
State	2 letter abbreviation for the state that user resides in.	varchar	2	
Zipcode	Zip code for the physical address of the user	uint	4	
Phone Number	Primary phone number where student can be reached.	uint	4	
GPA	Grade point average for the student that will be used in the decision making process.	decimal	16	
ACT Score	ACT score for the student	short	2	
SAT Score	SAT score for student	short	2	
Notes	Field to enter details on anything else not listed in the preceeding attributes.	varchar	500	

## Scholarship Application

Attribute Type	Definition	Type of Attribute	Size	PK/FK
ScholarshipAppID	Identifier for each application submitted by the student	int	4	PK
StudentID	Identifier to identify individual students saved in the database.	uint	4	FK
First Name	Common Name for the user	varchar	10	
MI	Middle initial of user. Can be used to identify users who might have the same first and last name.	varchar	1	
Last Name	Surname of the user	varchar	10	
Email	Primary email that can be used for sending out notifications	varchar	30	
Address	Physical address of the user for mailing purposes.	varchar	30	
City	City in which the donor resides.	varchar	20	
State	2 letter abbreviation for the state that user resides in.	varchar	2	
Zipcode	Zip code for the physical address of the user	uint	4	

Phone Number	Primary phone number where student can be reached.	uint	4
GPA	Grade point average for the student that will be used in the decision-making process.	decimal	16
Expected Graduation	Expected graduation date for the student	date	4
Notes	Field to enter details on anything else not listed in the preceding attributes.	varchar	500



## Marketing type

Attribute Type	Definition	Type of Attribute	Size	PK/FK
MarketingTypeID	Unique number to identify each marketing type	Short	2	PK
TypeName	Descriptive name of each marketing type.	varchar	15	

## Student Type

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Student Type ID	Unique number to identify each student type	Short	2	PK
Student type name	Name of the student type	varchar	15	
Description	Brief description of the Student type	varchar	100	

## Courses

Attribute Type	Definition	Type of Attribute	Size	PK/FK
CourseID	Unique number to identify each course	Short	2	PK
Course Name	Descriptive Name of the course	varchar	15	
Department	Name of the department the course will be listed under	varchar	15	

## Email template Type

Attribute Type	Definition	Type of Attribute	Size	PK/FK
EmailTemplateID	Unique number to identify each email template	Short	2	PK
Email Template Namee	Name of the email template	varchar	15	
Description	Brief description of the email template and possible use scenarios.	varchar	100	

## Alumni Member

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Username	This is the identifier used to log users in to the system	Varchar	20	PK
Password	This is the key used to log users in to the system	Varchar	20	
Email Address	Used to contact the Donor in the future	Varchar	30	
Firstname	The common name of the user	Varchar	20	
Lastname	Surname of the user	Varchar	25	
Phone number	Telephone/cellphone contact of the user	Varchar	15	
Street Address	The physical address of the users residence	Varchar	30	
City	City in which the donor	Varchar	15	
State	State in which the donor currently resides	Char	2	
Zip Code	Zip code where the donor currently resides	Char	5	
Place of Work	Helps University keep track of where their student go to work after graduating	Varchar	20	

Current Position	Title of the current position held by the alumni	Varchar	15	
StudentID	Identifier to uniquely identify student in the system	Int	4	FK

## Committee Member

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Username	This is the identifier used to log users in to the system	Varchar	20	PK
Password	This is the key used to log users in to the system	Varchar	20	
EmployeeID	Identifier for each employee	int	4	
Email Address	Used to contact he Member in the future	Varchar	30	
Firstname	The common name of the user	Varchar	20	
Middle Initial	Middle name intial for the committee member	Char	1	
Lastname	Surname of the user	Varchar	25	
Primary Phone number	Telephone/cellphone contact of the user	Varchar	10	
Secondary Phone number	Telephone/cellphone contact of the user	varchar	10	
Street Address	The physical address of the users residence	Varchar	30	
City	City in which the member	Varchar	15	
		Char	2	

State	State in which the member currently resides			
Zip Code	Zip code where the member currently resides	Char	5	
CreatedByID	Information about the admin responsible for creating the user	Varchar	15	FK



## Donor Class

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Username	This is the identifier used to log users in to the system	Varchar	20	PK
Password	This is the key used to log users in to the system	Varchar	20	
Email Address	Used to contact the Donor in the future	Varchar	30	
Firstname	The common name of the user	Varchar	20	
Lastname	Surname of the user	Varchar	25	
Phone number	Telephone/cellphone contact of the user	Varchar	15	
Street Address	The physical address of the users residence	Varchar	30	
City	City in which the donor	Varchar	15	
State	State in which the donor currently resides	Char	2	
Zip Code	Zip code where the donor currently resides	Char	5	

## Professor

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Username	This is the identifier used to log users in to the system	Varchar	20	PK
Password	This is the key used to log users in to the system	Varchar	20	
EmployeeID	Identifier for each employee	int	4	
Email Address	Used to contact he professor in the future	Varchar	30	
Firstname	The common name of the user	Varchar	20	
Middle Initial	Middle name intial for the professor	Char	1	
Lastname	Surname of the user	Varchar	25	
Primary Phone number	Telephone/cellphone contact of the user	Varchar	10	
Secondary Phone number	Telephone/cellphone contact of the user	varchar	10	
Street Address	The physical address of the users residence	Varchar	30	
City	City in which the professor resides	Varchar	15	
		Char	2	

State	State in which the professor currently resides			
Zip Code	Zip code where the professor currently resides	Char	5	
CreatedByID	Information about the admin responsible for creating the user	Varchar	15	FK

## Prospective Students

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Username	This is the identifier used to log users in to the system	Varchar	20	PK
Password	This is the key used to log users in to the system	Varchar	20	
Email Address	Used to contact the Student in the future	Varchar	30	
Firstname	The common name of the user	Varchar	20	
Lastname	Surname of the user	Varchar	25	
Phone number	Telephone/cellphone contact of the user	Varchar	15	
Street Address	The physical address of the users residence	Varchar	30	
City	City in which the student	Varchar	15	
State	State in which the student currently resides	Char	2	
Zip Code	Zip code where the student currently resides	Char	5	FK
MarketingTypeID	Form of marketing responsible for bringing in prospective student	Varchar	10	

## Semester

Attribute Type	Definition	Type of Attribute	Size	PK/FK
SemesterName	This identifies which semester we're talking about, it will be denoted by a scheme similar to F16 for Fall 2016, or SU17 for Summer 2017	Varchar	4	PK
Year	Year the Semester takes place	Char	4	
Season	Season the semester will take place in.	Varchar	6	

## Certs Check List

Attribute Type	Definition	Type of Attribute	Size	PK/FK
CertID	Unique Identifier for specific instances of certifications tracked in the database	Int	4	PK
CertExpiration	Date the Certification Expires	Date/time		
StudentID (username)	Unique identifier for tying students to the certifications they upload			FK
CertTypeID	Unique Identifier that indicates the type of certificate a student has uploaded.			FK

## Advisor

Attribute Type	Definition	Type of Attribute	Size	PK/FK
UserName	This is the identifier used to log users in to the system	Varchar	20	PK
Password	Used to authenticate users when they log into the system	Varchar	20	
Firstname	The common name of the user	Varchar	20	
Lastname	Surname of the user	Varchar	20	
EmployeeID	Identifier for each employee	Int	4	
Email	Used to log users in and contact them when necessary	Varchar	30	
MiddleInitial	Middle name intial for the advisor	Char	1	
Address	The physical address of the users residence	Varchar	30	
City	City in which the student	Varchar	15	
State	State in which the student currently resides	Char	2	
Zip	Zip code where the student currently resides	Uint	4	
PrimaryPhone	Telephone/cellphone contact of the user	Varchar	15	

SecondaryPhone	Secondary telephone/cellphone contact of the user	Varchar	15	
CreatedByID	Administrator that created the advisor	Varchar	30	FK



## FinancialAidCheckList

Attribute Type	Definition	Type of Attribute	Size (Bytes)	PK/FK
AidID	Identifier of the the specific type of aid	Char	8	PK
AidName	Descriptive name of financial aid	Varchar	36	
SchoolYear	Year that aid is offered	Char	8	
StudentID	Unique identifier given by university	Char	14	FK

## Prospective Student Visits

Attribute Type	Definition	Type of Attribute	Size (Bytes)	PK/FK
VisitID	6 digit code of that will uniquely identify date	Char	12	PK
VisitDate	Date that the visit will take place	Date	3	
VisitTime	Time that the visit will take place	Time	5	
ProspectiveStudentUsername	User name of the prospective student that will be visiting	Varchar	36	
				FK

## Classes Enrollment

Attribute Type	Definition	Type of Attribute	Size (Bytes)	PK/FK
ClassID	4 character ID that is used on the 'Schedule of Classes' in ULINK	Char	8	PK
CourseID	Code that is used to describe course type, ex: CIS300	Varchar	14	FK
CreditHours	Number of hours that the course is worth	Int	4	
Section	Number of the section as used in ULINK and Blackboard	Char	8	
StudentID	University ID given to student	Char	14	FK
ProfessorID	ID assigned to professor	Char	14	FK
Buidling	Building the class takes place	Char	14	
	Room number where class takes place	Char	14	
	Time class starts	Varchar	45	
	The semester that the class will take place, ex: Fal2017	Varchar	45	

RoomNumber		Varchar	15	
StartTime		Time	8	
SemesterName		Varchar	14	
				FK

## Administrator

Attribute Type	Definition	Type of Attribute	Size (Bytes)	PK/FK
CreatedByID	ID created to uniquely identify each administrator	Char	12	PK
UserName	Unique identifier created so each admin can log in	Varchar	36	
Password	Unique password created so each admin can log in	Varchar	36	
FirstName	Admin's first name	Varchar	36	
MiddleInitial	Admin's middle initial	Varchar	36	
LastName	Admin's last name	Char	2	
EmployeeID	Admin's UofL employee ID	Varchar	36	
Email	Admin's email address	Char	14	
Address	Admin's address	Varchar	90	
City	Admin's city	Varchar	90	
	Admin's state	Varchar	45	FK

State	Admin's zip code	Char	4	
Zip	Admin's phone number	Char	10	
PrimaryPhone	Admin's secondary phone number	Char	20	
SecondaryPhone		Char	20	

## CertType

Attribute Type	Definition	Type of Attribute	Size (Bytes)	PK/FK
CertTypeID	Identifies category that certification falls under	Char	4	PK
CertTypeName	Name of the type of certification	Varchar	30	

## Students

Attribute Type	Definition	Type of Attribute	Size	PK/FK
Username	This is the identifier used to log users in to the system	Varchar	20	PK
Password	This is the key used to log users in to the system	Varchar	20	
Email Address	Used to contact the Student in the future	Varchar	30	
Firstname	The common name of the user	Varchar	20	
Lastname	Surname of the user	Varchar	25	
Phone number	Telephone/cellphone contact of the user	Varchar	15	
Street Address	The physical address of the users residence	Varchar	30	
City	City in which the student	Varchar	15	
State	State in which the student currently resides	Char	2	
Zip Code	Zip code where the student currently resides	Char	5	
Student Type	Options like Upper division, lower division, etc. that help determine the program of study	Varchar		FK



Advisor	Assigns student to a particular advisor	Varchar	20	FK
---------	---	---------	----	----

## Prototypes

## 1-4 Login

This prototype is a simply mock-up of how the SONAR system's login page will appear for all users. Users will simply enter their university email (as that will be the standard username for ALL users) along with the password unique to this system.

SONAR

← → ↻ <http://SONAR.com>

**UNIVERSITY OF  
LOUISVILLE.**  
SCHOOL OF NURSING

Email Address

[Forgot Password?](#)




Password

Submit

## 5) Submit Grades

The Professor will submit the grades of each student in each class they teach in a given semester. After successfully logging on to the system, Professors will be able to select the class from a list of classes assigned to them for the current semester, and then manually go through and select the grade of each student. Once this has been completed for a class, the professor will submit the grades. If the professor needs to clear the data entered for some reason, they will have the option to do so.

SONAR

Select Class ▼

▼ First Name	▼ Last Name	▼ Student Number	▼ Grade
Rebecca	Ludwig	1234	Grade ▼
Tim	Mahan	4321	A
Chris	Meany	2314	B
Ajay	Singh	2134	C
			D
			F

Submit

Clear

## 6-7 Queries

The user will run many searches (queries) against the database in order to gain information about not just individual students, but groups of students that participate in the programs offered by the School of Nursing. These searches will be used to generate reports about students, and with these reports advisors will be able to reach out to students who may have decided to not enroll in a particular semester without graduating, or reach out to students that may be on academic probation or failed a course. This will also allow Advisors to track the progress of individual students for advising appointments, with an easy-to-view report generated from a simple query.

A screenshot of a web browser window titled "Mozilla" with the address bar showing "http://moqups.com". The page contains a form for a "Single Student" query. At the top, there is a dropdown menu labeled "Single Student" with a downward arrow. Below this, there are three input fields: "Student ID", "First Name", and "Last Name". To the right of these fields is a checked checkbox labeled "Include Student Progress". Below the first row of fields, there are three more input fields: "Date of Birth", "Email Address", and "Semester" with a downward arrow. At the bottom of the form are two buttons: "Submit" and "Clear".

A screenshot of a web browser window titled "Mozilla" with the address bar showing "http://moqups.com". The page contains a form for a "Multi-Student" query. At the top, there is a dropdown menu labeled "Multi-Student" with a downward arrow. Below this, there are three dropdown menus: "Program of Study", "Expected Grad Date", and "Academic Standing", each with a downward arrow. Below these, there is a label "Credit Hours:" followed by the word "Between", an input field, the word "And", another input field, and the word "Hours". At the bottom of the form are two buttons: "Submit" and "Clear".

## 8) Document Upload

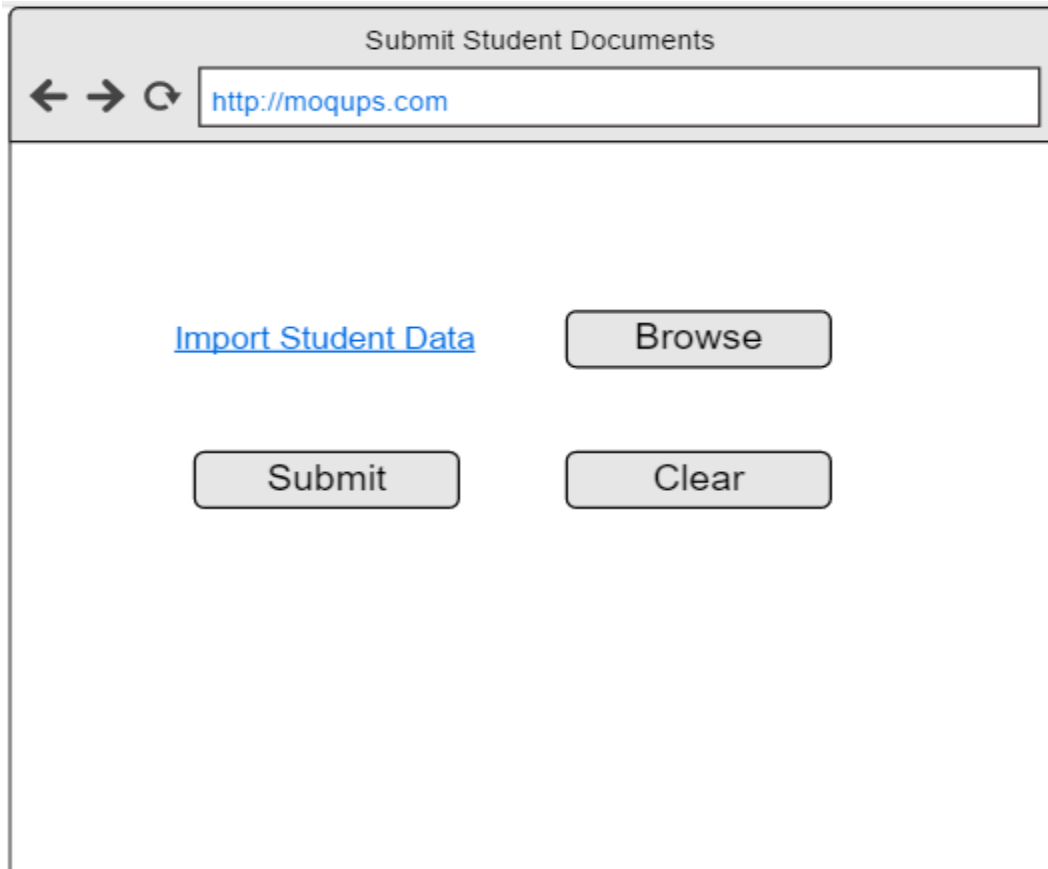
Students will have the ability to submit documentation for the review of advisors. The system will provide student users with an easy to use page that simply allows them to submit PDFs, PNGs, and JPEGs to the system so that Advisors may review and approve, not edit the documentation. When the Student selects the Document type, it lets the Advisor know what they're looking at for approval. When the Document is selected, students can select Clear to remove it, or Submit to send it to the Advisors.

The screenshot shows a web browser window titled "Submit Student Documents". The address bar displays "http://moqups.com". The main content area contains a form with the following elements:

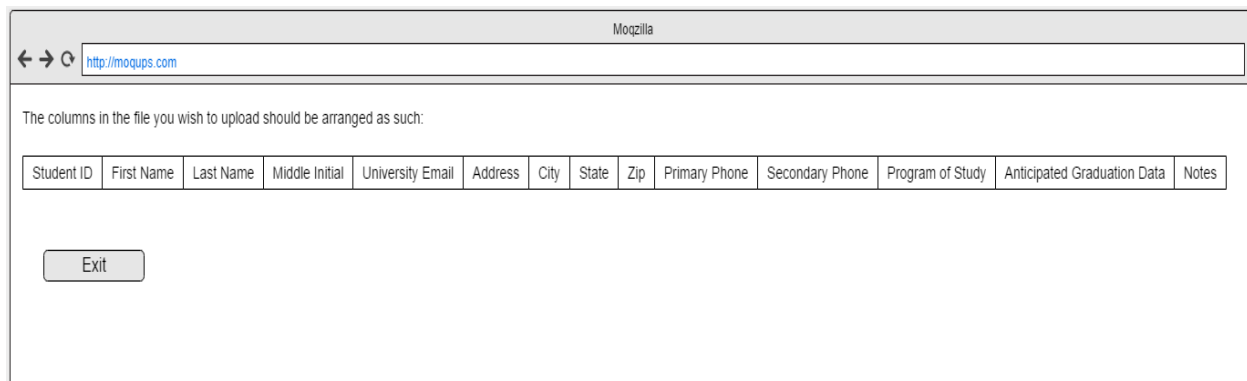
- A dropdown menu labeled "Select Document Type" with a downward arrow. The menu is open, showing three options: "CPR Certification", "Scholarship Application", and "Upper Division Application".
- A "Browse" button to the right of the dropdown menu.
- A "Submit" button at the bottom left.
- A "Clear" button at the bottom right.

## 9) Import from CSV

If the need should ever arise a need for data to be imported into the database, the system administrator will have the ability to do so. This allows the system to have more robust functionality, while limiting this privilege to a group that also has the ability to restore the system from a backup should anything go wrong. These excel files (in csv format) can be used to populate the database with information it previously did not contain in a quick, efficient manner. All an Administrator would need to do is Arrange the CSV file columns according to how the Import Student Data link specifies, browse to the file, and hit submit.



The screenshot shows a web browser window with the title "Submit Student Documents". The address bar contains the URL "http://moqups.com". The main content area features a blue link "Import Student Data", a "Browse" button, a "Submit" button, and a "Clear" button.

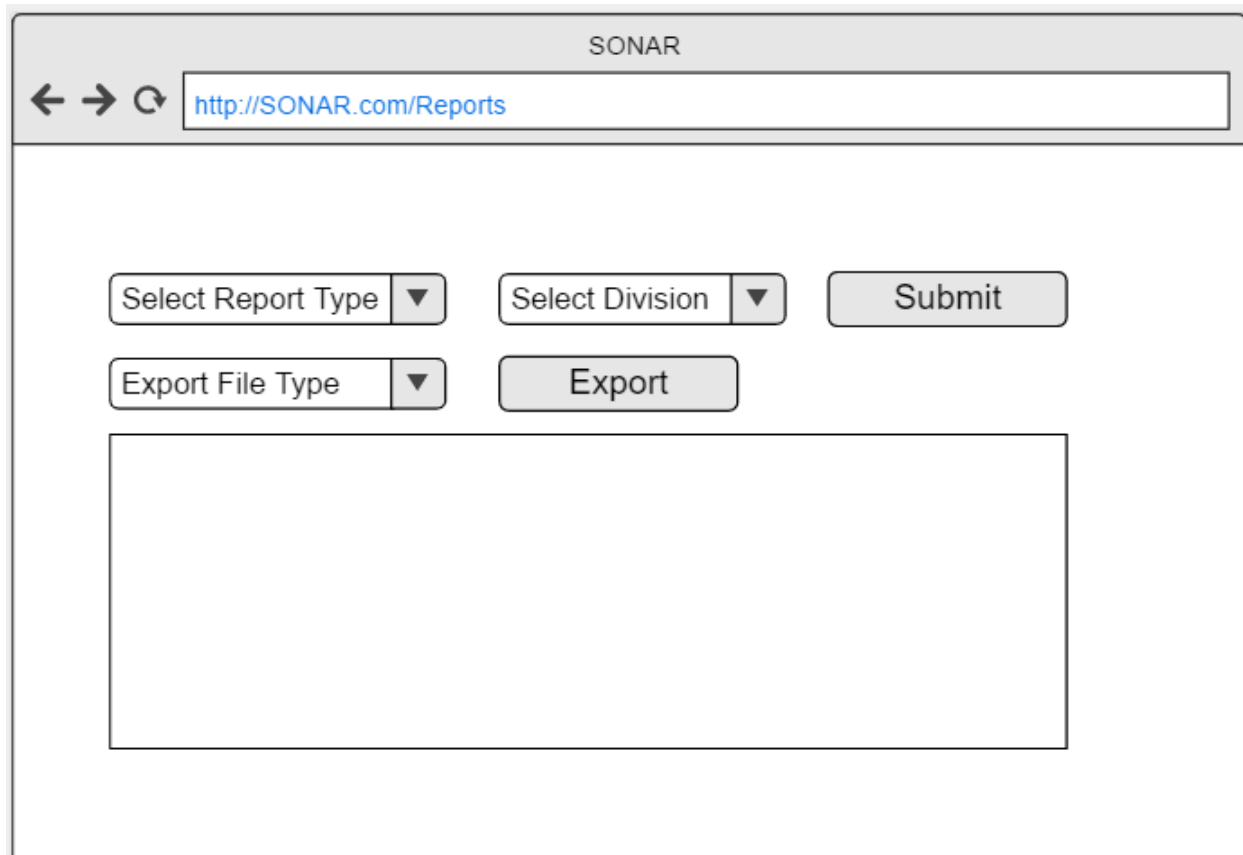


The screenshot shows a web browser window with the title "Mozilla". The address bar contains the URL "http://moqups.com". Below the address bar, there is a text instruction: "The columns in the file you wish to upload should be arranged as such:". Below this instruction is a table with 13 columns representing the required CSV format. At the bottom of the form, there is an "Exit" button.

Student ID	First Name	Last Name	Middle Initial	University Email	Address	City	State	Zip	Primary Phone	Secondary Phone	Program of Study	Anticipated Graduation Data	Notes
------------	------------	-----------	----------------	------------------	---------	------	-------	-----	---------------	-----------------	------------------	-----------------------------	-------

### 10-11 Reports

Some users such as Advisors and Committee Members would benefit greatly from having the ability to run reports and export those reports to files that they can manipulate on their computers individually, without making any changes to the data stored on the system. To provide this functionality, we'll have premade reports for advisors and committee members to select from, as well as the division of student should they wish to be so specific. They will then be able to export the data to excel file types or in PDF format to meet their manipulation/viewing needs.



The screenshot shows a web browser window titled "SONAR". The address bar contains the URL <http://SONAR.com/Reports>. The main content area features a form with the following elements:

- A row containing three buttons: "Select Report Type" with a dropdown arrow, "Select Division" with a dropdown arrow, and a "Submit" button.
- A second row containing two buttons: "Export File Type" with a dropdown arrow, and an "Export" button.
- A large, empty rectangular box below the buttons, intended for displaying the report data.

## 12) Automatic Reporting

Some reports can be generated and delivered automatically. On this page, users will be able to sign up for weekly, monthly, or semester reports. These will be the built in reports that are available on the reports page for users to export. All an Advisor would need to do is check the box next to the report they wish to receive on regular intervals. Once this is complete, they only need hit Save and the changes will take effect.

SONAR

<http://SONAR.com/>

Sign up for Reports

<input type="checkbox"/>	Academic Probation	Semester	▼
<input type="checkbox"/>	Failed 1 or More Classes	Semester	▼
<input type="checkbox"/>	NOT Registered, NOT Graduated	Semester	▼
<input checked="" type="checkbox"/>	Marketing Stats	Weekly	▼
<input type="checkbox"/>	CPR Cert Out of Compliance	Weekly	▼

Save



## 13) Reset password via email

This prototype will allow any user to reset their password. They will select reset password button and enter their email address. An email with a link will be sent to them to allow them to enter their old password followed by entering a new password twice to confirm that it's the same and meets the standards for the program.

SONAR

← → ↻ <http://SONAR.com>

Please Enter your email Address

Email Address

Continue

[Didn't Receive the password reset email?](#)

## 14) Generate automatic email templates

This will allow professors, advisors and committee members to choose a pre written template to send as an email to save them time. They will log in with their username and password then select the email tab. They will be brought to a blank email with pre-loaded email templates they can click on to be automatically dropped into a blank email. This will cut down on the time spent to type emails.

The screenshot displays a web browser window titled "SONAR" with the address bar showing "http://SONAR.com". The main content area contains an email composition form on the left and a list of radio button options on the right. The form includes fields for "FROM", "CC", "BCC", and "Subject", followed by a large text area for the email body. The options on the right are:

- ☐ Not Registerd, Not Graduated
- ☐ Academic Probation
- ☐ CPR Compliance Violation
- ☒ Marketing Efforts Report

## 15 Track Students progress

This prototype will allow an advisor to track a student's progress through the program by running a simple query or report.

Mozilla

← → ↻ <http://moqups.com>

Single Student ▼

Student ID First Name Last Name ☒ Include Student Progress

Date of Birth Email Address Semester ▼

Submit Clear

## 16) Track graduation progress of student



Here, advisors will be able to view a student's completed classes and classes that need to be taken that are required to graduate. They will enter their credentials and select the student tab. From here they will search the student they want and be able to look at what classes they have finished and still need to finish.

Mozilla					
<a href="http://moqups.com">http://moqups.com</a>					
▼ StudentID	▼ First Name	▼ Last Name	▼ Total Credit Hours	▼ GPA	▼ Program of Study
1122334	Tim	Mahan	60	3.0	Upper Division
▼ Classes Passed					
NURS 605	NURS 741	NURS 652	NURS 608	NURS 697	NURS 657
▼ Classes Remaining					
NURS 740	NURS 742	NURS 754	NURS 743	NURS 744	NURS 745
NURS 746	NURS 755	NURS 756	NURS 757	NURS 747	NURS 760
NURS 758	NURS 761	NURS 750	NURS 725	NURS 762	NURS 787
NURS 748	NURS 751	NURS 788	NURS 752	NURS 789	

## 25. Submission of application to school of nursing.

Moqzilla

← → ↻ <http://moqups.com>

First Name	Ajay
Last Name	Singh
Phone Number	502-533-8076
Email Address	apsing01@louisville.edu
Address	123 W. Main Street
City, State, and Zipcode	Louisville, KY 40202
Student ID number	1234567
Date of Birth	01/11/1994 
Expected graduation	Fall/2017 
GPA	3.6
Attach Files:	C:\...\Transcript.pdf

Click the check box if the information above is correct ☒ Agree

Clear Edit Submit

## 26. Track Received scholarships

The screenshot shows a web browser window titled "Mozilla" with the address bar displaying "http://moqups.com". The application interface includes a "Current Students" dropdown menu, a search field labeled "Student ID ..." with a magnifying glass icon, and two dropdown menus for "Report Type" and "Semester". The "Report Type" dropdown is open, showing options: "All" (highlighted in blue), "Admissions application", "Program application", and "Scholarship application". The "Semester" dropdown is also open, showing options: "All" (highlighted in blue), "Fall", "Spring", and "Summer". At the bottom of the interface are two buttons: "Clear" and "Generate".



Current Students	Report Type	Semester
	All	All
	Admissions application	Fall
	Program application	Spring
	Scholarship application	Summer

Clear Generate

## 27. submit scholarships

Mozilla

← → ↻

First Name	<input type="text" value="Ajay"/>
Last Name	<input type="text" value="Singh"/>
Phone Number	<input type="text" value="502-533-8076"/>
Email Address	<input type="text" value="apsing01@louisville.edu"/>
Address	<input type="text" value="123 W. Main Street"/>
City, State, and Zipcode	<input type="text" value="Louisville, KY 40202"/>
Student ID number	<input type="text" value="1234567"/>
Date of Birth	<input type="text" value="01/11/1994"/> 
Expected graduation	<input type="text" value="Fall/2017"/> 
GPA	<input type="text" value="3.6"/>
Attach Files:	<input type="text" value="C:\...\Transcript.pdf"/>

☐ Click the check box if the information above is correct ☒ Agree

## 29. Track Marketing Efforts

Moqzilla

<http://moqups.com>

Potential Students ▼

Report Type ▼

Semester ▼

Year ▼

All

2015

2016

2017

All

Money Spent

Student Contact

Applications Received

All

Fall

Spring

Summer

Clear

Generate



## 30. View reports for admissions decisions



The screenshot shows a web browser window titled "Mozilla" with the address bar displaying "http://moqups.com". The page content includes a form with the following elements:

- A dropdown menu labeled "Current Students" with a downward arrow.
- A search field labeled "Student ID" with a magnifying glass icon and a placeholder "...".
- A dropdown menu labeled "Report Type" with a downward arrow, which is open, showing the following options:
  - All (highlighted in blue)
  - Admissions application
  - Program application
  - Scholarship application
- A dropdown menu labeled "Semester" with a downward arrow, which is open, showing the following options:
  - All (highlighted in blue)
  - Fall
  - Spring
  - Summer
- A large, empty rectangular box below the dropdowns.
- Two buttons at the bottom: "Clear" and "Generate".

## 31. Submission of application for program of study

Moqzilla

← → ↻ <http://moqups.com>

First Name	Ajay
Last Name	Singh
Phone Number	502-533-8076
Email Address	apsing01@louisville.edu
Address	123 W. Main Street
City, State, and Zipcode	Louisville, KY 40202
Student ID number	1234567
Date of Birth	01/11/1994 
Expected graduation	Fall/2017 
GPA	3.6
Attach Files:	C:\...\Transcript.pdf

Click the check box if the information above is correct ☒ Agree

Clear Edit Submit

## 32. Add to database storage

**\*\*System admin would physically add storage to system server\*\***

Mozilla

← → ↻ <http://moqups.com>

Current Storage Size	569.23GB
Expand to	Please enter the new size for database

☒ Please check the box to certify new data base size is entered correctly.

Clear Expand

## 33. Add Graduated students to alumni list

Moqzilla

← → ↻

▼ Last Name	▼ First Name	
Singh	Ajay	<input type="checkbox"/>
Reid	Harry	<input checked="" type="checkbox"/>
Doe	John	<input type="checkbox"/>
Clinton	Hillary	<input type="checkbox"/>

## 34. Generate email list

Moqzilla

← → ↻ <http://moqups.com>


▼ Last Name	▼ First Name	
Singh	Ajay	<input type="checkbox"/>
Reid	Harry	<input checked="" type="checkbox"/>
Doe	John	<input type="checkbox"/>
Clinton	Hillary	<input type="checkbox"/>

Clear Add to List

## 35. Edit contact information for alumni

Moqzilla

← → ↻ <http://moqups.com>

First Name	Ajay
Last Name	Singh
Phone Number	502-533-8076
Email Address	apsing01@louisville.edu
Address	123 W. Main Street
City, State, and Zipcode	Louisville, KY 40202
Student ID number	1234567
Date of Birth	01/11/1994 

Clear Edit Submit

## 36. Generate email list to ask alumni for donations

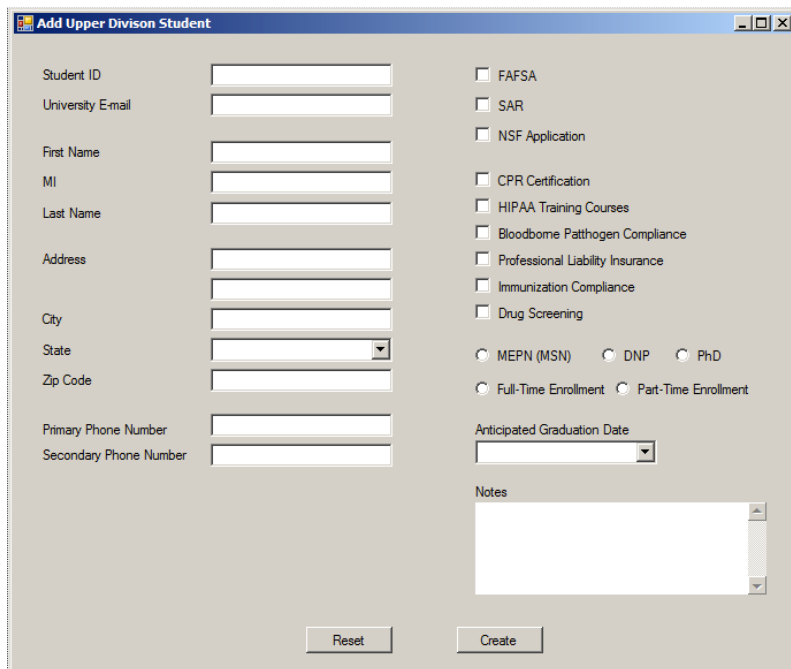
Moqzilla

← → ↻ <http://moqups.com>

▼ Last Name	▼ First Name	
Singh	Ajay	<input type="checkbox"/>
Reid	Harry	<input checked="" type="checkbox"/>
Doe	John	<input type="checkbox"/>
Clinton	Hillary	<input type="checkbox"/>

## Create Upper Division Student: 37

Advisor will input following information to create student in the database.



The screenshot shows a web form titled "Add Upper Division Student". The form is organized into two main columns. The left column contains text input fields for "Student ID", "University E-mail", "First Name", "MI", "Last Name", "Address" (a multi-line field), "City", "State" (a dropdown menu), "Zip Code", "Primary Phone Number", and "Secondary Phone Number". The right column contains a series of checkboxes for "FAFSA", "SAR", "NSF Application", "CPR Certification", "HIPAA Training Courses", "Bloodborne Pathogen Compliance", "Professional Liability Insurance", "Immunization Compliance", and "Drug Screening". Below these are three radio buttons for "MEPN (MSN)", "DNP", and "PhD", followed by two radio buttons for "Full-Time Enrollment" and "Part-Time Enrollment". There is also a dropdown menu for "Anticipated Graduation Date" and a text area for "Notes". At the bottom of the form are two buttons: "Reset" and "Create".

Student ID	<input type="text"/>	<input type="checkbox"/> FAFSA
University E-mail	<input type="text"/>	<input type="checkbox"/> SAR
First Name	<input type="text"/>	<input type="checkbox"/> NSF Application
MI	<input type="text"/>	<input type="checkbox"/> CPR Certification
Last Name	<input type="text"/>	<input type="checkbox"/> HIPAA Training Courses
Address	<input type="text"/>	<input type="checkbox"/> Bloodborne Pathogen Compliance
City	<input type="text"/>	<input type="checkbox"/> Professional Liability Insurance
State	<input type="text"/>	<input type="checkbox"/> Immunization Compliance
Zip Code	<input type="text"/>	<input type="checkbox"/> Drug Screening
Primary Phone Number	<input type="text"/>	<input type="radio"/> MEPN (MSN) <input type="radio"/> DNP <input type="radio"/> PhD
Secondary Phone Number	<input type="text"/>	<input type="radio"/> Full-Time Enrollment <input type="radio"/> Part-Time Enrollment
		Anticipated Graduation Date <input type="text"/>
		Notes <input type="text"/>



## Edit Upper Division Student: 38

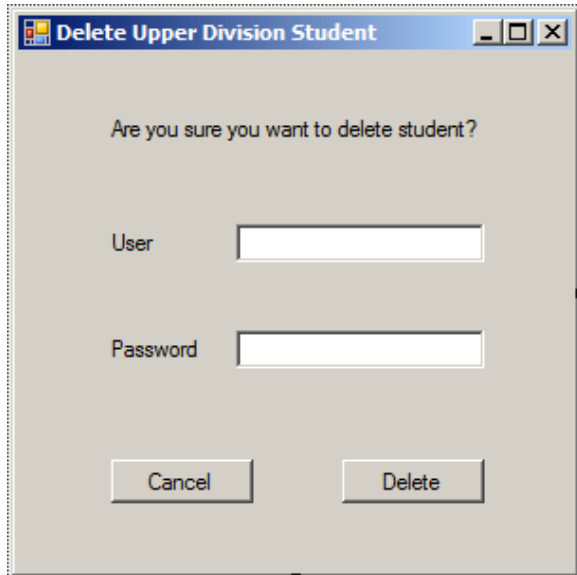
Advisor will input/edit following information to update student in the database.

The screenshot shows a web-based form titled "Edit Upper Division Student". The form is divided into two main columns. The left column contains text input fields for "Student ID", "University E-mail", "First Name", "MI", "Last Name", "Address", "City", "State" (a dropdown menu), "Zip Code", "Primary Phone Number", and "Secondary Phone Number". The right column contains a series of checkboxes for "FAFSA", "SAR", "NSF Application", "CPR Certification", "HIPAA Training Courses", "Bloodborne Pathogen Compliance", "Professional Liability Insurance", "Immunization Compliance", and "Drug Screening". Below these checkboxes are three radio buttons for "MEPN (MSN)", "DNP", and "PhD", followed by two radio buttons for "Full-Time Enrollment" and "Part-Time Enrollment". There is also a dropdown menu for "Anticipated Graduation Date". At the bottom right of the form is a text area labeled "Notes". At the bottom center are two buttons: "Save" and "Delete".

Student ID	<input type="text"/>	<input type="checkbox"/> FAFSA
University E-mail	<input type="text"/>	<input type="checkbox"/> SAR
First Name	<input type="text"/>	<input type="checkbox"/> NSF Application
MI	<input type="text"/>	<input type="checkbox"/> CPR Certification
Last Name	<input type="text"/>	<input type="checkbox"/> HIPAA Training Courses
Address	<input type="text"/>	<input type="checkbox"/> Bloodborne Pathogen Compliance
City	<input type="text"/>	<input type="checkbox"/> Professional Liability Insurance
State	<input type="text"/>	<input type="checkbox"/> Immunization Compliance
Zip Code	<input type="text"/>	<input type="checkbox"/> Drug Screening
Primary Phone Number	<input type="text"/>	<input type="radio"/> MEPN (MSN) <input type="radio"/> DNP <input type="radio"/> PhD
Secondary Phone Number	<input type="text"/>	<input type="radio"/> Full-Time Enrollment <input type="radio"/> Part-Time Enrollment
		Anticipated Graduation Date: <input type="text"/>
		Notes: <input type="text"/>
<input type="button" value="Save"/>		<input type="button" value="Delete"/>

Delete Upper Division Student: 39

Advisor will input their user name and password to delete student from database.



A screenshot of a Windows-style dialog box titled "Delete Upper Division Student". The dialog has a light gray background and a blue title bar. Inside, the text "Are you sure you want to delete student?" is displayed. Below this, there are two input fields: "User" and "Password", each with a corresponding text box. At the bottom, there are two buttons: "Cancel" and "Delete".

Are you sure you want to delete student?

User

Password

## Create Lower Division Student: 40

Advisor will input following information to create student in the database.

The screenshot shows a web-based form titled "Add Lower Division Student". The form is organized into two main columns. The left column contains text input fields for "Student ID", "University E-mail", "First Name", "MI", "Last Name", "Address" (a multi-line field), "City", "State" (a dropdown menu), "Zip Code", "Primary Phone Number", and "Secondary Phone Number". The right column contains a series of checkboxes for "FAFSA", "SAR", "NSF Application", "CPR Certification", "HIPAA Training Courses", "Bloodborne Pathogen Compliance", "Professional Liability Insurance", "Immunization Compliance", and "Drug Screening". Below these checkboxes are two groups of radio buttons: "Traditional BSN" vs "RN BSN" and "Full-Time Enrollment" vs "Part-Time Enrollment". Further down is a dropdown menu for "Anticipated Graduation Date" and a large text area labeled "Notes". At the bottom of the form are two buttons: "Reset" and "Create".

Student ID	<input type="text"/>	<input type="checkbox"/> FAFSA
University E-mail	<input type="text"/>	<input type="checkbox"/> SAR
First Name	<input type="text"/>	<input type="checkbox"/> NSF Application
MI	<input type="text"/>	<input type="checkbox"/> CPR Certification
Last Name	<input type="text"/>	<input type="checkbox"/> HIPAA Training Courses
Address	<input type="text"/>	<input type="checkbox"/> Bloodborne Pathogen Compliance
	<input type="text"/>	<input type="checkbox"/> Professional Liability Insurance
City	<input type="text"/>	<input type="checkbox"/> Immunization Compliance
State	<input type="text"/>	<input type="checkbox"/> Drug Screening
Zip Code	<input type="text"/>	<input type="radio"/> Traditional BSN <input type="radio"/> RN BSN
Primary Phone Number	<input type="text"/>	<input type="radio"/> Full-Time Enrollment <input type="radio"/> Part-Time Enrollment
Secondary Phone Number	<input type="text"/>	Anticipated Graduation Date: <input type="text"/>
		Notes: <input type="text"/>
<input type="button" value="Reset"/>		<input type="button" value="Create"/>

## Edit Lower Division Student: 41

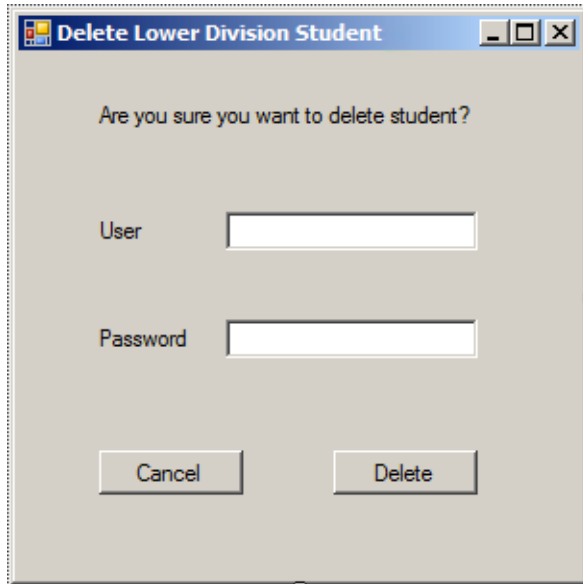
Advisor will input/edit following information to update student in the database.

The screenshot shows a web-based form titled "Edit Lower Division Student". The form is divided into two main columns. The left column contains text input fields for "Student ID", "University Email", "First Name", "MI", "Last Name", "Address" (with two stacked fields), "City", "State" (a dropdown menu), "Zip Code", "Primary Phone Number", and "Secondary Phone Number". The right column contains a series of checkboxes for "FAFSA", "SAR", "NSF Application", "CPR Certification", "HIPAA Training Courses", "Bloodborne Pathogen Compliance", "Professional Liability Insurance", "Immunization Compliance", and "Drug Screening". Below these are two groups of radio buttons: "Traditional BSN" vs "RN BSN" and "Full-Time Enrollment" vs "Part-Time Enrollment". There is also a dropdown menu for "Anticipated Graduation Date" and a large text area labeled "Notes". At the bottom of the form are two buttons: "Save" and "Delete".

Student ID	<input type="text"/>	<input type="checkbox"/> FAFSA
University Email	<input type="text"/>	<input type="checkbox"/> SAR
First Name	<input type="text"/>	<input type="checkbox"/> NSF Application
MI	<input type="text"/>	<input type="checkbox"/> CPR Certification
Last Name	<input type="text"/>	<input type="checkbox"/> HIPAA Training Courses
Address	<input type="text"/>	<input type="checkbox"/> Bloodborne Pathogen Compliance
	<input type="text"/>	<input type="checkbox"/> Professional Liability Insurance
City	<input type="text"/>	<input type="checkbox"/> Immunization Compliance
State	<input type="text"/>	<input type="checkbox"/> Drug Screening
Zip Code	<input type="text"/>	<input type="radio"/> Traditional BSN <input type="radio"/> RN BSN
Primary Phone Number	<input type="text"/>	<input type="radio"/> Full-Time Enrollment <input type="radio"/> Part-Time Enrollment
Secondary Phone Number	<input type="text"/>	Anticipated Graduation Date: <input type="text"/>
		Notes: <div><div></div></div>
<input type="button" value="Save"/>		<input type="button" value="Delete"/>

Delete Lower Division Student: 42

Advisor will input their user name and password to delete student from database.



A screenshot of a Windows-style dialog box titled "Delete Lower Division Student". The dialog box has a light gray background and a blue title bar. Inside, the text "Are you sure you want to delete student?" is displayed. Below this text are two input fields: "User" and "Password", each with a corresponding text box. At the bottom of the dialog box are two buttons: "Cancel" and "Delete".

## Create Perspective Student: 43

Advisor will input following information to create student in the database.

The screenshot shows a web-based form titled "Add Perspective Student". The form is divided into several sections for data entry:

- Personal Information:** Fields for First Name, MI, Last Name, Address, City, State (a dropdown menu), Zip Code, Primary Phone Number, Secondary Phone Number, Email, and Student ID.
- Already completed...:** A group of checkboxes for FAFSA, SAR, NSF Application, CPR Certification, HIPAA Training Courses, Bloodborne Pathogen Compliance, Professional Liability Insurance, Immunization Compliance, and Drug Screening.
- Interested in...:** A group of checkboxes for Traditional BSN, RN BSN, MEPN (MSN), DNP, and PhD. Below these are radio buttons for Full-Time Enrollment and Part-Time Enrollment, and a dropdown menu for Anticipated Graduation Date.
- Heard about program from...:** Checkboxes for Billboard, Website, and High School, followed by an "Other" text input field.
- Notes:** A large text area for additional comments.

At the bottom of the form are two buttons: "Reset" and "Create".

## Edit Perspective Student: 44

Advisor will input/edit following information to update student in the database.

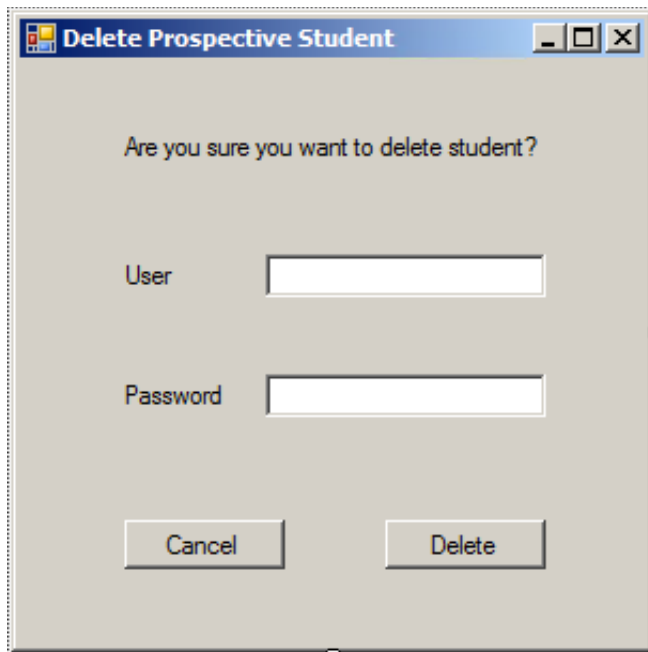
The screenshot shows a web-based form titled "Edit Perspective Student". The form is divided into several sections for data entry:

- Personal Information:** Fields for First Name, MI, Last Name, Address, City, State (a dropdown menu), Zip Code, Primary Phone Number, Secondary Phone Number, E-mail, and Student ID.
- Already completed...:** A dashed box containing a list of checkboxes for completed requirements: FAFSA, SAR, NSF Application, CPR Certification, HIPAA Training Courses, Bloodborne Pathogen Compliance, Professional Liability Insurance, Immunization Compliance, and Drug Screening.
- Interested in...:** A dashed box containing checkboxes for Traditional BSN, RN BSN, MEPN (MSN), DNP, and PhD. It also has radio buttons for Full-Time Enrollment and Part-Time Enrollment, and a dropdown menu for Anticipated Graduation Date.
- Heard about program from...:** A dashed box containing checkboxes for Billboard, Website, and High School, followed by an "Other" text input field.
- Notes:** A large text area for additional comments.

At the bottom of the form are two buttons: "Save" and "Delete".

Delete Perspective Student: 45

Advisor will input their user name and password to delete student from database.



A screenshot of a Windows-style dialog box titled "Delete Prospective Student". The dialog has a light gray background and a blue title bar with standard window controls (minimize, maximize, close). The main text inside the dialog asks, "Are you sure you want to delete student?". Below this text are two input fields: one labeled "User" and one labeled "Password". At the bottom of the dialog are two buttons: "Cancel" on the left and "Delete" on the right.

Are you sure you want to delete student?

User

Password

Cancel Delete



Create Graduate: 46

Advisor will input following information to create student in the database.

**Add Graduate**

First Name

MI

Last Name

Address

City

State

Zip Code

Primary Phone Number

Secondary Phone Number

E-mail

Student ID

**Graduation Details**

☐ Traditional BSN ☐ RN BSN

☐ MEPN (MSN) ☐ DNP ☐ PhD

Graduation Date

**Career Details**

Employer

Salary Range

**Notes**

## Edit Graduate: 47

Advisor will input/edit following information to update student in the database.

**Edit Graduate**

First Name

MI

Last Name

Address

City

State

Zip Code

Primary Phone Number

Secondary Phone Number

E-mail

Student ID

**Graduation Details**

☐ Traditional BSN ☐ RN BSN

☐ MEPN (MSN) ☐ DNP ☐ PhD

Graduation Date

**Career Details**

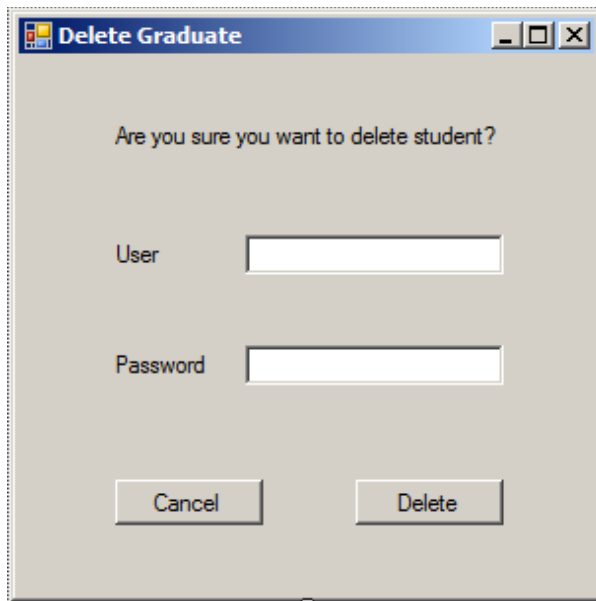
Employer

Salary Range

**Notes**

Delete Graduate: 48

Advisor will input their user name and password to delete student from database.



A screenshot of a Windows-style dialog box titled "Delete Graduate". The dialog box has a blue title bar with standard minimize, maximize, and close buttons. The main area is light gray and contains the text "Are you sure you want to delete student?". Below this text are two input fields: "User" and "Password". At the bottom of the dialog are two buttons: "Cancel" and "Delete".

Are you sure you want to delete student?

User

Password

### Gantt Chart

The following is a Gantt chart. It is simply a visual representation of the tasks the team will need to complete in the coming iteration of the project. It provides a name for each task. Each task listed will have a corresponding section in the report we deliver at the end of this iteration. The chart also lists the team member responsible for completing a task, any task marked with "All Members" simply means that the tasks has been divided amongst the group members to complete in parallel to each other. The Gantt chart also lists the anticipated start and end date for each task. Finally, the arrows drawn from one project to another indicate dependencies, these dependencies are what guided our decisions in the order of completion with certain tasks.

## RATC Group

## SONAR

