Group 9 a.k.a. Cloud 9ine

Project Phase III
TCSS 360 C
Cloud 9ine

As a university, being able to track your student's education from time of application and beyond is essential for both accreditation and training purposes. Our software allows this to be done in a convenient, organized manner. The software would allow you to add students, update information, gather information on graduates, and generate reports. When adding students, the software allows you to add all their information, such as, major, degree, email, gpa and so on. If the student has graduated, information can be gathered from by processing linkedIn information, and sending surveys. The software also allows faculty to flag certain students whose information could not be obtained. The most important part of the software would be the reports that it can generate. Reports on different subjects can be made by the system, using the current information in the database. This software is crucial for learning more about students, and where they go after graduation. It allows the university to better their programs and better their students.

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Revision Log

Group Member	Date	Content
Mark Peters	10/09/16	Created initial document based off instructor's wireless carrier auto notes.
Mark Peters	10/12/16	Added use cases second draft and modified some document setup.
Mark Peters	10/14/16	Assisted in editing document while importing separate tasks.
Shema Rezanejad	10/14/16	Added one paragraph description and use case diagram.
Jason Thai	10/14/16	Added user stories and business rules.
Mark Peters	10/15/16	Refines use cases and all sections related to own work.
Mark Peters	10/16/16	Final review before submission.
Shema Rezanejad	10/21/16	Revisions according to feedback from instructor.
Jason Thai	10/21/16	Revisions according to feedback from instructor.
Mark Peters	10/21/16	Revisions according to feedback from instructor.
Mark Peters	10/30/16	Design template changes for addition of new sections.
Mark Peters	10/30/16	Edited document for new stuff; added class diagram rough draft.
Shema Rezanejad	11/01/16	Added assigned content.
Jason Thai	11/01/16	Added assigned content.
Mark Peters	11/02/16	Made notes during instructor meeting to guide group through revisions.
Shema Rezanejad	11/04/16	Revisions according to feedback from instructor.
Jason Thai	11/04/16	Revisions according to feedback from instructor.
Mark Peters	11/04/16	Revisions according to feedback from instructor.
Mark Peters	11/05/16	Final revisions, tweaking, spelling/grammar check.
Mark Peters	11/26/16	Revisions to reflect actual program changes, added changes Phase II
Mark Peters	11/30/16	Added some revisions to class diagram and sequence diagrams
Mark Peters	12/03/16	Updated older content, revised diagrams completely
Mark Peters	12/05/16	Updated use cases and all content to reflect current state
Mark Peters	12/06/16	Final document edits and proofreading

1. Project Information

1.1 One Paragraph Summary

As a university, being able to track your student's education from time of application and beyond is essential for both accreditation and training purposes. Our software allows this to be done in a convenient, organized manner. The software would allow you to add students, update information, gather information on graduates, and generate reports. When adding students, the software allows you to add all their information, such as, major, degree, email, gpa and so on. If the student has graduated, information can be gathered from by processing linkedIn information, and sending surveys. The software also allows faculty to flag certain students whose information could not be obtained. The most important part of the software would be the reports that it can generate. Reports on different subjects can be made by the system, using the current information in the database. This software is crucial for learning more about students, and where they go after graduation. It allows the university to better their programs and better their students.

1.2 Design Rationale

When discussing our design, we wanted to focus on ease and clean design. This means that there is good implementation, and flow when the user is using the system. To do this, you must have streamlined design, which means classes that have good relations to each other When opening the app the first thing you see should be a login page. This is handled by the Super Secure Login Database class. This page both handles registration, and being able to login to the system. If the user is a faculty they are able to register to the system and login. There will be a faculty table in our database which would contain all verified faculty in the school, with their school username and password. This means that no one who isn't a school administrator, faculty, or approved staff (such as students or part time employees) cannot access the sensitive data. Thus, when adding a user to the database, this class would query the faculty table for the username and password. The usernames should be unique, even if one faculty has the same name as someone else. If a result is found then, that means the user that is registering is a verified faculty of the school, and can successfully register to the system. When storing this information in the database, the username and password will be stored together in a map. This will insure that the information given by the faculty will be stored efficiently. We chose to implement our design this way so that all schools can use the system, not only one.

After the faculty logs in, they have many options to choose from. The GUI for this part should be designed in a way where faculty can choose from all options, for instance, they can track a graduate, enter/edit a graduate's information, or generate a report. In the Graduate class, the GUI should show some sort of form where the faculty can enter or edit academic information. It is associated with the Survey class which gathers information on graduates by sending out surveys to graduates' emails. If after sending many emails to a graduate, if they don't respond, or choose to not be contacted, the information for that graduate will indicate they wish not be further tracked or contacted. When faculty must add a new graduate to the system, the information will be saved to the database, and a new graduate will be created. If faculty must modify current graduate information, faculty must search by student name or id, and modify any information they wish. This will happen by querying through the database for the student, and replacing any information that was updated in the database. This is where faculty will review surveys that the graduates filled out and approve the information for use in the system.

Lastly, faculty should be able to generate reports.. When generating the report, all information will be taken from the database and a report of all the statistics will be generated for the faculty. There can be many reports which filter the list of graduates into multiple lists separated by filter categories, including years graduated, skills used, and other metrics. Thus, generating reports is a very important feature of this app. It is what allows for tracking students, and bettering college programs. Another important relationship to note would be that Graduates "can have" employment. We chose this relationship due to the fact that not all graduates are employed, this is a vital part of generating the results. All of this information being entered into the system is for generating reports for the school This will tell you how easily the system will flow and if it will be easy for the user to use. Our design is clean, easy to use, and will have a good outcome.

2. User Stories

Reference Number	User Story	Priority	Estimate
1	As faculty, I would like to add/edit graduate information in order to improve our accreditation and our training programs.	1	2 hours
2	As faculty, I would like to be able to login to the system so that I can use the system.	1	3 hours
3	As faculty, I would like to add/update employment history for graduates to know what businesses most benefit from our program.	1	2 hours
4	As faculty, I would like to be able to process surveys and spreadsheets of graduate information in order to keep track of graduate information.	2	4 hours
5	As faculty, I would like to be able to proces LinkedIn graduate information in order to keep graduate information up to date in the system.	2	2 hours
6	As faculty, I would like to add/edit graduate major in order to keep track of graduate information.	1	2 hours
7	As faculty, I would like to add/edit degree level and types in order to keep track of graduate information.	1	2 hours
8	As faculty, I would like to add/edit graduate mail in order to keep track of graduate information.	1	2 hours
9	As faculty, I would like to add GPA scores in order to have information on graduates.	1	2 hours
10	As faculty, I would like to add student school data such as standing and year graduated in order to have comparative information on graduates.	1	2 hours
11	As faculty, I would like to add/edit internships graduates have had in order to generate reports based on whether internships affect job placement.	1	2 hours
13	As faculty, I would like to keeping track of schools graduates have transferred from in order to generate a report on which schools graduates have transferred from.	3	2 hours
14	As a graduate, I want to update my employment information with my old college so they can manually enter all that data.	5	4 hours
15	As a graduate, I want to fill out excruciatingly detailed job surveys so my school can have that information in order to generate a report.	5	6 hours

Reference Number	User Story	Priority	Estimate
16	As faculty, I would like to generate reports based on how many graduates graduated in a particular year and their employment status and history, so that we can know which years our program was working best and which employers are more likely to hire our graduates.	1	4 hours
17	As faculty, I would like to generate a report based on what skills the graduate used at their workplace in order to generate a report based on the data.	5	6 hours
18	As faculty, I would like to generate a report based on how many graduates with internships got jobs vs didn't get jobs in order to generate a report based on the data.	1	8 hours
19	As faculty, I would like to flag certain graduates whose information could not be obtained so we can generate reports that filter for this.	3	2 hours
20	As faculty, I would like to add salary in order to generate a report based on which graduates make most money.	1	2 hours
21	As faculty, I would like to add position descriptions in order to generate a report and help us learn more about the graduate's job.	4	2 hours

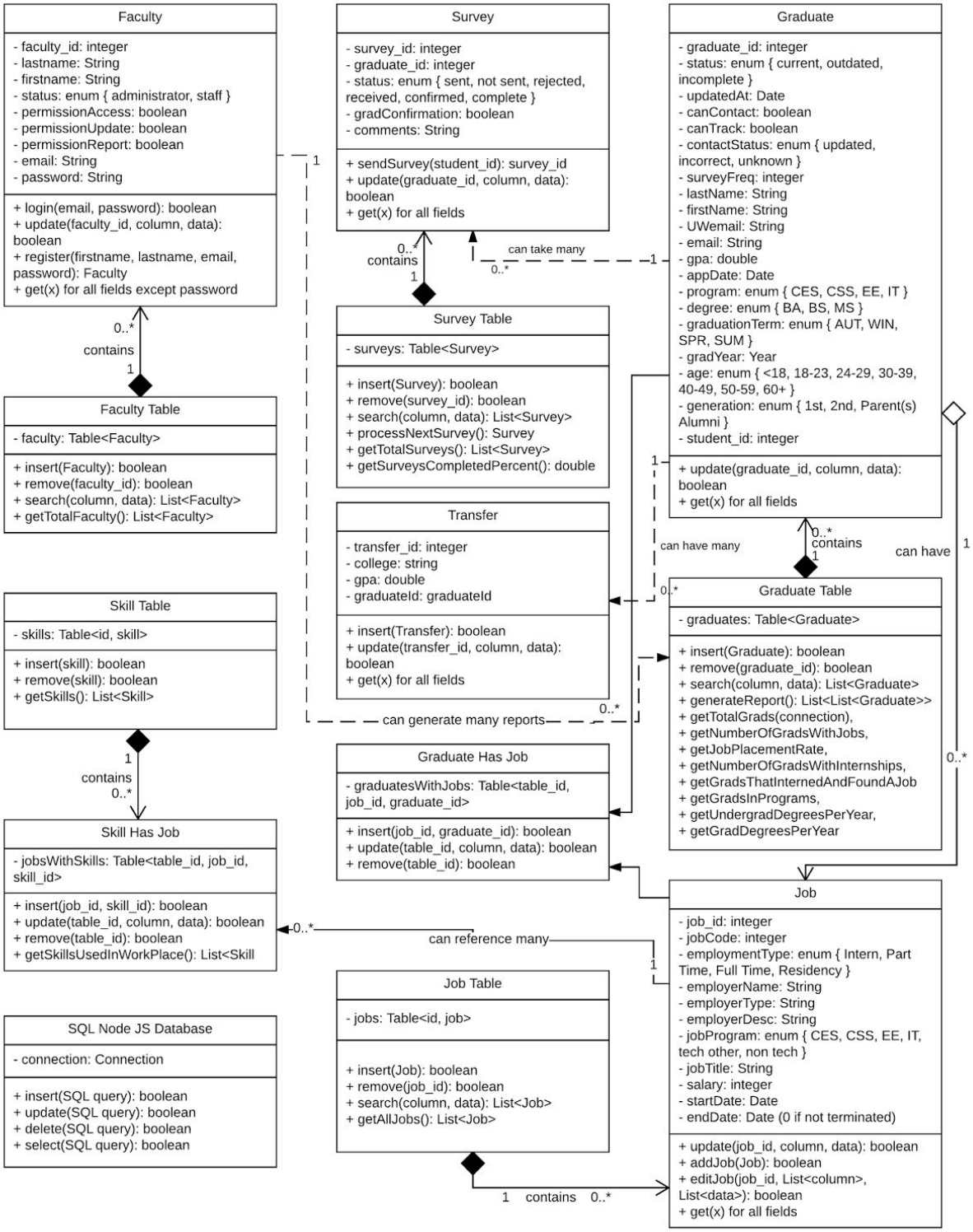
3. Business Rules

Staff, administrators, and faculty are interchangeable (called faculty) for the current system iteration. If privileges need to be restricted based on employment position at the school, each user's account can be modified to restrict or allow access.

Reference Number	Business Rule	Further details
1	Only faculty can login to use the system.	There must be faculty login information already in the database so that when faculty logs in they can be authenticated. Registering is not an option on this application
2	Only faculty can add and edit graduate information.	Since only faculty can login and use the app, this rule will be covered.
3	Graduates can only request their own information.	Graduates will be authenticated by giving their uw email and other information such as their name and password.
4	Faculty can't delete graduate information without graduate's consent.	Graduates will be authenticated by giving their uw email and other information such as their name and password.
5	Only faculty should be able to generate the reports based on the data.	Since only faculty can login and use the app, this rule will be covered.
6	Faculty can only generate reports if their is at least one graduate information in the system.	There would be no meaningful data to report if there were no graduates in the system.
7	Only faculty can flag graduates whose information could not be obtained.	Since only faculty can login and use the app, this rule will be covered.
8	Only graduates may respond to the employment surveys that are sent out.	If you are not a graduate from the given school, you should not be able to respond to the survey.
9	Only graduates may decline to fill out employment surveys.	Anyone other than a graduate should not be declining to fill out surveys.
10	Only system administrators (special privileged faculty) can override report generation times.	The system always schedules report generation for system downtime; only a system administrator (NOT a faculty) can override this.

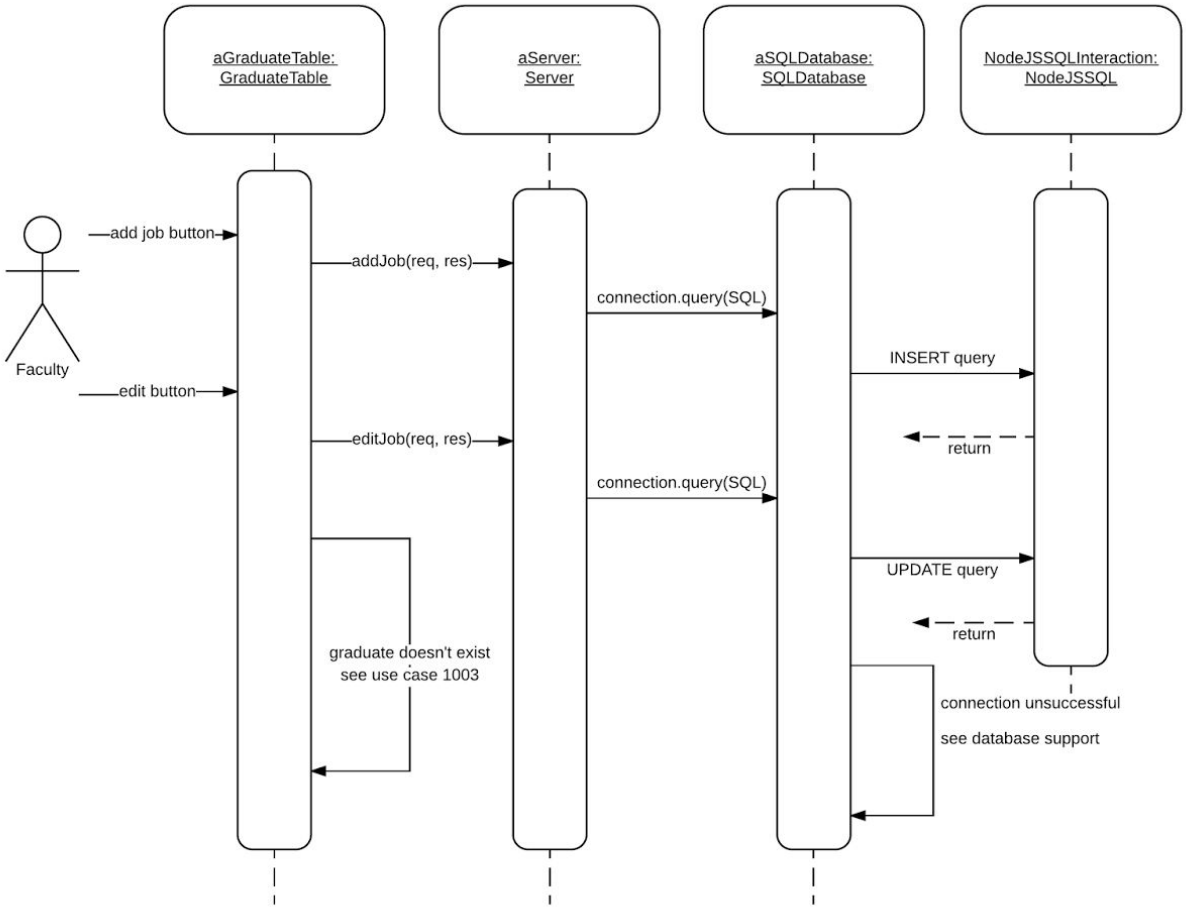
4. Diagrams

4.1 SQL Node JS Class and Data Diagram



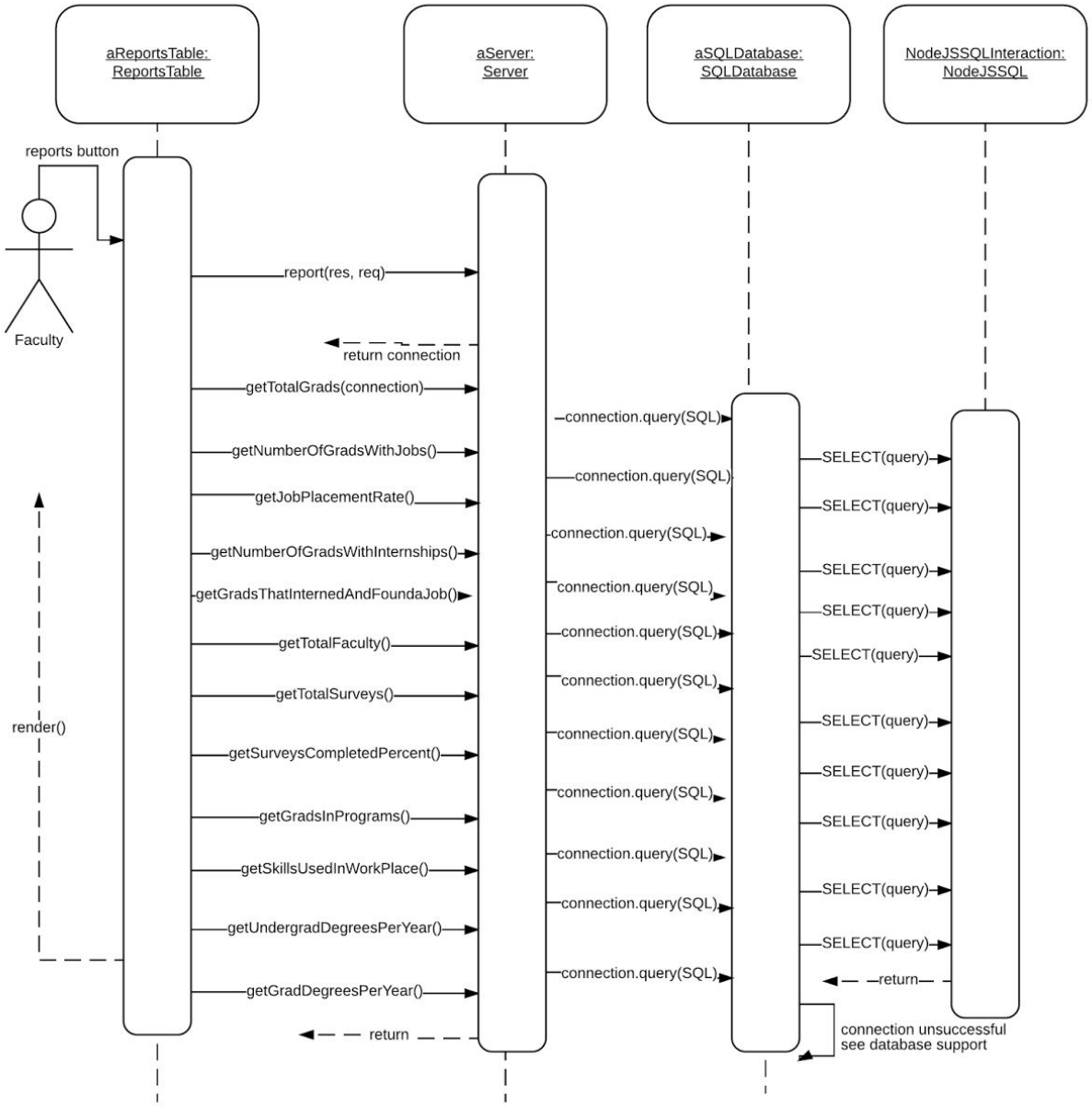
4.2 Sequence Diagram I

Add or update graduate employment information

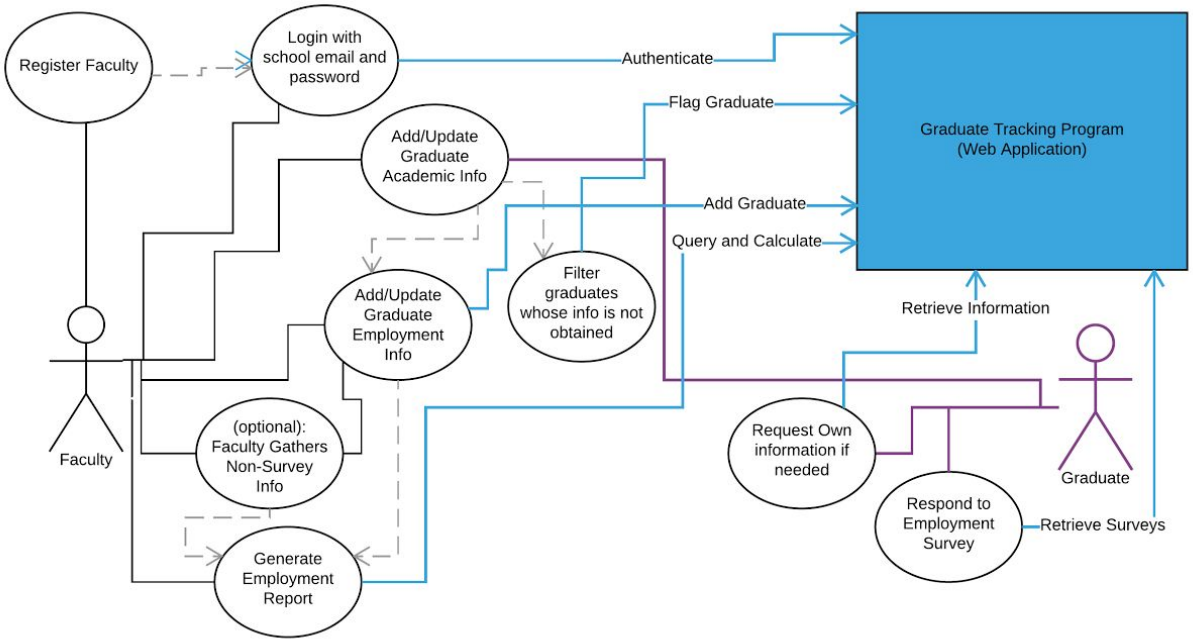


4.3 Sequence Diagram II

Generate a Report



4.4 Use Case Diagram



5. Formal Use Case Specifications

5.1 Actor Catalog

The following table identifies and provides a description of the actors.

Actor	Description
Faculty	A faculty member, administrative staff, or school advisor with database access.
School	The school as an organization, including its members and goals.
Company	An organization that employs graduate(s) from the school after graduation.
Time	Indicator for events sensitive to network overload.
System	Automated processes of the Graduate Tracking Program.

5.2 Use Case Model

The following table relates the actors to Use Cases.

Actor	Use Cases
Faculty	1001, 1002, 1003, 1004
School	1001, 1002, 1003, 1004
Company	future implementation
Time	1002, 1003

5.3 Use Cases

Case ID	Name	Description	Priority	Iteration
1001	Add or Update Employment Information	Faculty adds or updates graduates employment information with more recent data.	High	Current
1002	Generate Employment Report	Faculty navigates to reports and analyzes different reports for different graduate categories.	High	Current
1003	Add or Update Academic Information	Faculty adds and updates graduates' academic information for the first time or to correct info.	High	Current
1004	Register/login faculty	Faculty creates an account for the first time or logs in so they can	Highest	Current

5.3.1 1001 — Add or Update Employment Information

GENERAL INFORMATION

Primary Actor: Faculty

Goal in Context: Faculty adds or updates graduate employment information in the tracking program.

Scope: Graduate Tracking Program

Level: User Goal

Trigger: There is new information pertaining to graduates' employment that needs to be entered into the system.

Purpose: This use case describes the process of adding or updating graduate information relating to employment.

User Story: As faculty, I would like to add/update employment history for graduates to know what businesses most benefit from our program.

Stakeholders and Interests	
Faculty	Wants to add or update information relating to graduate employment.
School	Wants updated information related to graduates' employment.

Actors	
Faculty	Will add or update graduate information.

Preconditions	
1	Faculty has already opened and logged into Graduate Tracking Program.
2	Faculty has access to the information to be entered including when graduate's previous employment ended, stated reasons, and all information pertaining to new current job; if the student has not been added yet, the faculty needs to first add the student (see use case 1003) and information relating to student school records (year graduated, major, gpa, internships, etc.).

Minimal Guarantees	
1	Faculty analyzes new graduate information.
2	System marks graduate as processing an update.

Success Guarantees	
1	Graduate information relating to employment is entered into the system.
2	System marks graduate as having most recent information and finished processing an update.

Main Success Scenario (Basic Flow)			
#	**Step Description**	**Actor**	**References**
1	The faculty ensures the student has been added to the system (if student has been previously added, locate the student in the system and skip to step 2; otherwise refer to references).	Faculty	Add or Update Graduate Academic Information Access a Graduate
2	Faculty selects employment history from graduate reports. The graduate profile will contain all information the school generated on the graduate (including GPA, major, year graduated, internship(s), etc.) as well as employment information categorized by job title and place of employment. Additionally, there may be additional information about jobs such as skills used by place of employment. This information can come from the faculty's own tracking or the surveys the graduates respond to (which simply contain confirmation information and employment information as described below).	Faculty	
3	Faculty changes the current graduate job to expired and updates the information with dates, skills, and reasons if applicable.	Faculty	
4	Faculty adds a new employment item and enters in all information on hand into the new employment item fields (this includes start date, end date if applicable, job title, skills used, and employer name).	Faculty	
5	Faculty selects current employment information as the new job that was just entered.	Faculty	

Extensions (Alternate Flow)			
#	**Step Description**	**Actor**	**References**
1a	Graduate reported to not exist.	Faculty	
1a1	Student may not have graduated yet; faculty must check graduation date accuracy; program only tracks graduated students.	Faculty	
1a2	Faculty uses alternative methods of searching, such as by surname, year graduated, etc.	Faculty	Access a Graduate
1a3	If alternative methods fail, faculty adds graduate and flags as possible omission.	Faculty	Add a Graduate
2a	Employment history is inaccessible.	Faculty	
2a1	Graduate's employment may be classified.	System	
3a	There is no current graduate job.	Faculty	
3a1	If graduate has not had a job yet, continue with step 5.	Faculty	
3a2	If graduate has had a job but it expired well before the new job began, they may have been unemployed.	Faculty	Graduate Unemployment
4a	Not all information is available at the moment.	Faculty	
4a1	Faculty enters what information is on hand and flags job as incomplete.	Faculty	
4a2	Start date or other dates may be unknown.	Faculty	Date Handling
5a	Current employment does not update.	System	
5a1	Faculty checks that previous employment was properly expired.	Faculty	
*	System is down.		System Failure Procedures

5.3.2 1002 — Generate Employment Report

GENERAL INFORMATION

Primary Actor: Faculty

Goal in Context: Faculty selects items to be included in an auto-generated report.

Scope: Graduate Tracking Program

Level: User Goal

Trigger: A statistical survey on graduate employment post graduation is desired.

Purpose: This use case describes the process of setting up a report generation.

User Story: As faculty, I would like to generate reports based on how many students graduated in a particular year and their employment status and history, so that we can know which years our program was working best and which employers are more likely to hire our graduates.

Stakeholders and Interests	
Faculty	Wants to generate a report based on graduates' employment.
School	Wants statistical summary of employment for all graduates.

Actors	
Faculty	Will determine what reports to analyze.
Time	Generates report during system low activity usage.

Preconditions	
1	Faculty has already opened and logged into Graduate Tracking Program.
2	Faculty has access to report generation.

Minimal Guarantees	
1	A report is set to be generated.

Success Guarantees	
1	A report is generated after successful setup.
2	The report displays visual metrics relating to the graduates.

Main Success Scenario (Basic Flow)			
#	**Step Description**	**Actor**	**References**
1	Faculty has permission to generate reports. The faculty navigates to the reports page.	Faculty	
2	Faculty may review reports by total graduates tracked, total current jobs for all graduates tracked, the percentage of (good tech) job placement, the number who had internships, the number of interns that have jobs, the total faculty registered, the total amount of surveys sent and the total amount of surveys reviewed by faculty.	Faculty	
3	Faculty can view a detailed donut chart containing details about the total amount of technology degrees and majors. The information will be split by color and category to allow the faculty a visual reference to how many graduates obtained each type of degree.	Faculty	
4	Faculty can view metrics about what types of skills are being used in the workplace by the graduates--the skills will be organized by a color coded donut chart so the faculty may see visually what types of skills taught are being utilized the most.	Faculty	
5	Faculty can view a graph displaying the number of undergraduate and graduate degrees granted by year, with difference charts for the different levels of education.	Time	

Extensions (Alternate Flow)			
#	**Step Description**	**Actor**	**References**
1a	Faculty unable to review reports page.	Faculty	
1a1	Faculty may not have permission to view reports. Faculty must contact an administrator.	Faculty	Faculty Permissions
2a	Information available is too low to make accurate reports	System	
2a1	Data may have too few students to produce reliable data.	Faculty	
3a	Chart displays irregularities or is missing programs.	System	
3a1	Most recent data may not include degrees from current quarter's graduates--faculty must enter this data.	Faculty	Add/Edit Graduate Academic Information
4a	Skills displayed do not pertain to school skills.	System	
4a1	Faculty alters job information for graduates to eliminate unrelated skills.	Faculty	
5a	System does not generate report.	System	
5a1	See error reporting.	Faculty	System Error Reporting
*	System is down.		System Failure Procedures

5.3.3 1003 — Add or Update Academic Information

GENERAL INFORMATION

Primary Actor: Faculty

Goal in Context: Faculty wants to add or update academic information

Scope: Graduate Tracking Program

Level: User goal

Trigger: There is new information pertaining to graduates' academics that needs to be entered into the system.

Purpose: This use case describes the process of adding or updating graduate information relating to academics

User Story: As a faculty, I want to add or update graduate academic information so that I can generate a report.

Stakeholders and Interests	
Faculty	Wants to add or update information relating to academics
School	Wants updated information related to graduates' academics.

Actors	
Faculty	Will add or update graduate information.

Preconditions	
1	Faculty has already opened and logged into Graduate Tracking Program.
2	Faculty has access to the information to be entered including when graduate's previous employment ended, stated reasons, and all information pertaining to new current job; if the student has not been added yet, the faculty needs to first add the student (see use case 1004) and information relating to student school records (year graduated, major, gpa, internships, etc.).

Minimal Guarantees	
1	Faculty analyzes new graduate information.
2	System marks graduate as processing an update.

Success Guarantees	
1	Graduate information relating to academics is entered into the system.
2	System marks graduate as having most recent information and finished processing an update.

Main Success Scenario (Basic Flow)			
#	**Step Description**	**Actor**	**References**
1	The system must allow the faculty to enter graduate information. Specifically, the faculty will need the graduate's first name, last name, identification number and school email. Optionally, faculty can enter employment information, internship information, salary, job description and skills used. (If graduate is already added, skip to step 4.)	Faculty	Add or Update Employment Information Access a Graduate
2	If faculty has all of needed graduate information, the system must have some sort of form to be able to add this information to the database. Once the faculty is able to pull up this form, they may enter all information and submit. Thus, the graduate will be successfully added into the system.	Faculty	
3	If needed, faculty may update graduate information. For instance, if graduate employment has changed, then faculty may update the graduates information in the system.	Faculty	Add or Update Employment Information
4	When updating student information, faculty must know the graduates identification number and full name or email. Faculty may enter this information into the search bar, and click on a student profile that matches to this request.	Faculty	
5	If search is successful, then faculty may proceed to update student information. Faculty must press "update" to reach the page where they can change this information. The system must display a form with all information, where faculty can delete and replace with the new, updated information. Once finished, faculty may proceed to submit updates successfully.	Faculty, System	

Extensions (Alternate Flow)			
#	**Step Description**	**Actor**	**References**
1a	Faculty does not have graduates information	Faculty	
1a1	Faculty must acquire graduate information from surveys	Faculty	
1a2	If Faculty has no information from surveys from graduate, they must proceed to send survey to graduates email.	Faculty, Graduate	Respond to Employment Survey
2a	Graduate is not successfully added to the system	Faculty	
2a1	Faculty may have forgotten to fill out a required field in the form. They must fill out all required fields.	Faculty	
4a	Faculty does not know graduates information to update	Faculty	
4a1	Faculty must know name and id, or graduate email, in order to update information. They may proceed to retrieve this information through the school, or may browse through student database.	Faculty	
4b	Search is not successful	Faculty	
4b1	If this occurs, it may be due to spelling issues, please check spelling and retry	Faculty	
4b2	Graduate may not be added into the system, please add graduate before searching	Faculty	
5a	Update is not successful	Faculty	
5a1	Syntax in forms may not be correct, please retry with correct syntax	Faculty	
*	System is down.		System Failure Procedures

5.3.4 1004 — Register or Login/Logout a Faculty

GENERAL INFORMATION

Primary Actor: Faculty

Goal in Context: Faculty can register to the tracking app, and login/logout to the system using their school email and password.

Scope: Graduate Tracking Program

Level: User goal

Trigger: Faculty needs to use the system for different purposes. This may be to view the tracking, enter information, generate reports etc.

Purpose: This use case describes the process of being able to register, and login/logout as faculty to the system

User Story: As faculty, I would like to register, and login/logout to be able to use the system

Stakeholders and Interests	
Faculty	Be able to access the system, and track graduates.
School	Wants all faculty to be able to use Graduate tracking app.

Actors	
Faculty	Will register, and login/logout of the system.

Preconditions	
1	Faculty has a school email account.
2	Faculty has tracking app open.

Minimal Guarantees	
1	Faculty can register to the system.
2	Faculty information is saved to the database.

Success Guarantees	
1	Faculty can successfully register to the system using school email and password.
2	Faculty can successfully login to the system and use the tracking app.

Main Success Scenario (Basic Flow)			
#	**Step Description**	**Actor**	**References**
1	Faculty opens web app, and is able to access register/login page (if already registered skip to step 4) of tracking app. The system must show some sort of form in which the faculty can enter their information. The faculty logs in if they have already registered. Otherwise, continue to step 2.	Faculty	
2	Faculty will enter their school email and chosen password. Once this is done, faculty may then proceed to submit their registration.Once registration is successful, the page redirects to the login page	Faculty	
3	When redirected, the login page will be shown on the system. This page will contain another form for the faculty to be able to enter their email and password which they registered with. Once their information is entered into the form, they can complete login. This should successfully log them into the system, and allow full access to all features.	Faculty	
4	After the faculty is finished using desired features on tracking app, they may either proceed to logout of the system, or just exit the browser. If they wish to logout, they may click “logout” under account, which will then redirect them to the home page. Otherwise, they can close the browser	Faculty	

Extensions (Alternate Flow)			
#	**Step Description**	**Actor**	**References**
1a	Faculty does not have school username/password	Faculty	
1a1	Faculty needs to contact support team for verification.	Faculty	School Connection
3a	Registration is not successful	Faculty	
3a1	When registration is not successful, there may an issue with the server or your registration information is not correct.	Faculty	
3b	Faculty was not redirected to login page	Faculty	
3b1	Faculty goes to homepage of the tracking app, and click “login.”	Faculty	
4a	System does not allow me to login	System	
4a1	If this occurs, it means you are not registered to the system. Faculty must proceed to register before trying to login.	Faculty	
4a2	If faculty is registered, this means login information is not correct. If this occurs, proceed to step 1b.	Faculty	
*	System is down.		System Failure Procedures

6. Appendices

6.1 Changes from Phase I Submission

Section	Current Section	Prior Section	Suggestion Source	Change Incorporated	Description
Project Summary	1.1	-	Instructor Feedback	yes	We corrected the project summary with the grammar suggestions given us. We also tweaked some wording. Now the document is more professional.
User Stories Overview	-	2.1	Instructor Feedback	yes	After some discussion, our group decided an overview wasn't needed for the user stories and removed the blank section reserved for it.
User Stories	2.1	2.2	Instructor Feedback	yes	We corrected some grammatical and phrasing issues present in the user stories.
User Stories	2.1	2.2	Cloud 9ine	yes	We noticed the ordering on our user stories was slightly off--so we reordered the stories correctly and also tweaked some of the phrasing.
Business Stories Overview	-	3.1	Instructor Feedback	yes	Staff was unaddressed in our business rules, and there were some typos as well. We summarized our overview to include these distinctions and moved it into the actual stories section and removed the now blank overview section. We also expanded our business rules to reduce ambiguity.
Use Case Diagram	4.4	4	Instructor Feedback	yes	The instructor noted that our use case diagram missed several aspects of the system we were developing; additionally, much of the terminology between the use case diagram and use cases differed. To remedy this, we clarified terminology and redesigned our use case diagram to accurately reflect all that was going on in our document.

Section	Current Section	Prior Section	Suggestion Source	Change Incorporated	Description
Add or Update Employment Information	5.3.1	5.3.1	Instructor Feedback	yes	There were multiple issues with how the use case reflected what the user would see and do--details were missing about what the faculty would observe and control during the scenario. We updated the use case, adding lots of details about how the faculty would interact with the system.
Add or Update Employment Information	5.3.1	5.3.1	Cloud 9ine	yes	We changed the use case to reflect not just updating employment but also adding it. We changed some of the language to reflect what the system would be capable of, and when we decided to add a use case for adding and updating graduate academic information, we altered this section as well to reference that section.
Generate Employment Report	5.3.2	5.3.2	Instructor Feedback	yes	Like the previous section, originally there was a lot of assumed data and parameters for the faculty to manipulate. We clarified these omissions by adding precise details on what parameters the faculty could use to generate reports and how these steps would be carried out. In addition, we slightly reformatted the use case to reflect changes in how reports would be generated.
Respond to Employment Survey	5.3.3	5.3.3	Cloud 9ine	yes	We changed some of the steps to reflect how we changed how surveys are accessed and handled.
[entire document]	-	-	Instructor Feedback	yes	We reorganized and renamed all of our entities across the document so they would be internally consistent and reflect their use throughout the document.

6.2 Changes from Phase II Submission

Section	Current Section	Prior Section	Suggestion Source	Change Incorporated	Description
Design Rationale	1.2	1.2	Cloud 9ine	yes	Revised language (especially last paragraph) to reflect design changes in implementation.
SQL Node JS Class and Data Diagram	4.1	4.2	Instructor Feedback	yes	Completely redesigned class diagram to reflect the current implementation's use of SQL-NOde JS interactions for all information. Boxes now do not break up classes but rather SQL data tables--the functions are now a mixture of server function callbacks and SQL query uses.
Sequence Diagram I	4.2	4.3	Instructor Feedback	yes	Completely redesigned the first sequence diagram to reflect the actual system calls and connections used in the the current implementation.
Sequence Diagram II	4.3	4.4	Instructor Feedback	yes	Completely redesigned the second sequence diagram to reflect the actual system calls and connections used in the the current implementation.
Generate Employment Report	5.3.2	5.3.2	Cloud 9ine	yes	Completely revised generate employment reports to reflect how the system actually works on the website. There are more visual metrics but fewer customization options (since we decided on the 15 most useful reports and implemented those directly).
Respond to Survey	-	5.3.3	Cloud 9ine	yes	Removed due to non-implementation.
Add or Update Employment Information	5.3.3	5.3.4	Cloud 9ine	yes	Revised slightly to indicate differences in the current implementation.
Register or Login a Faculty	5.3.4	5.3.5	Cloud 9ine	yes	Revised to reflect changes in verification and login/registration procedures to reflect implementation.