Team Assignment 6:

Implementation & Close Out

Alpha (Team A)

sss

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CIS 5800 - S3DA

Professor: Rudolph Brown

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3	Deployment Plan	08/14/2017	Meilan Zheng
3	Training Plan	08/13/17	Tenzin Gaywa
3	Support Plan	08/13/17	Tenzin Gaywa
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4	Lessons Learned	08/13/17	Amanda Pulla & Meilan Zheng
5	Appendix	08/10/17	Johnnie Vasquez

II.   Executive Summary

i. Team Alpha has identified that the current manner in which Baruch Alumni communicate with current students is flawed and that there current system is in need of an overhaul. To address this issue, Team Alpha will assign a team of five on the implementation and rollout a new website that will be user friendly and has a significant database in an effort to create more efficient and effective platform of communication between the two parties.

The Development, design and build of the Baruch Student Support Group Project will present both challenges and opportunities for successful implementation of the project. With a short deadline approaching, everyday counts before the Fall Semester begins. Team Alpha has already completed Initiating and Planning phases and now are executing task in the Production phase.

Team Alpha's ultimate goal by the completion of this project and beyond is to have a fully functional website that will allow Baruch College Alumni to easily create and post professional events through administrator in order to provide current Baruch students professional opportunities that could lead to jobs or internships.

ii. In the following document, we will be presenting our final product and how we plan to deploy in the following stages. We will reveal our plans to implement the systems and form a closeout report for the project. The document will be guideline of putting all of our previous deliverables into a single hard copy hand in. We will also present our deployment plan with a easy constructive diagram. The implementation plans tells all the stakeholders our expense. While our training and support plan reveal how will manage to keep our service on going without failure.

III.   Implementation Plan

A.   Hardware/Software cost

Hardware		
Type	**Quantity**	**Cost**
Computer	5	$5,000
Software		
Visual Studio	5	$500
Microsoft Project	5	$500
Microsoft Office	5	$ 600
Dreamweaver	5	$600
GearHost Database	1	$1,000 per month
Total Cost		**$8,200**

B. Deployment Plan
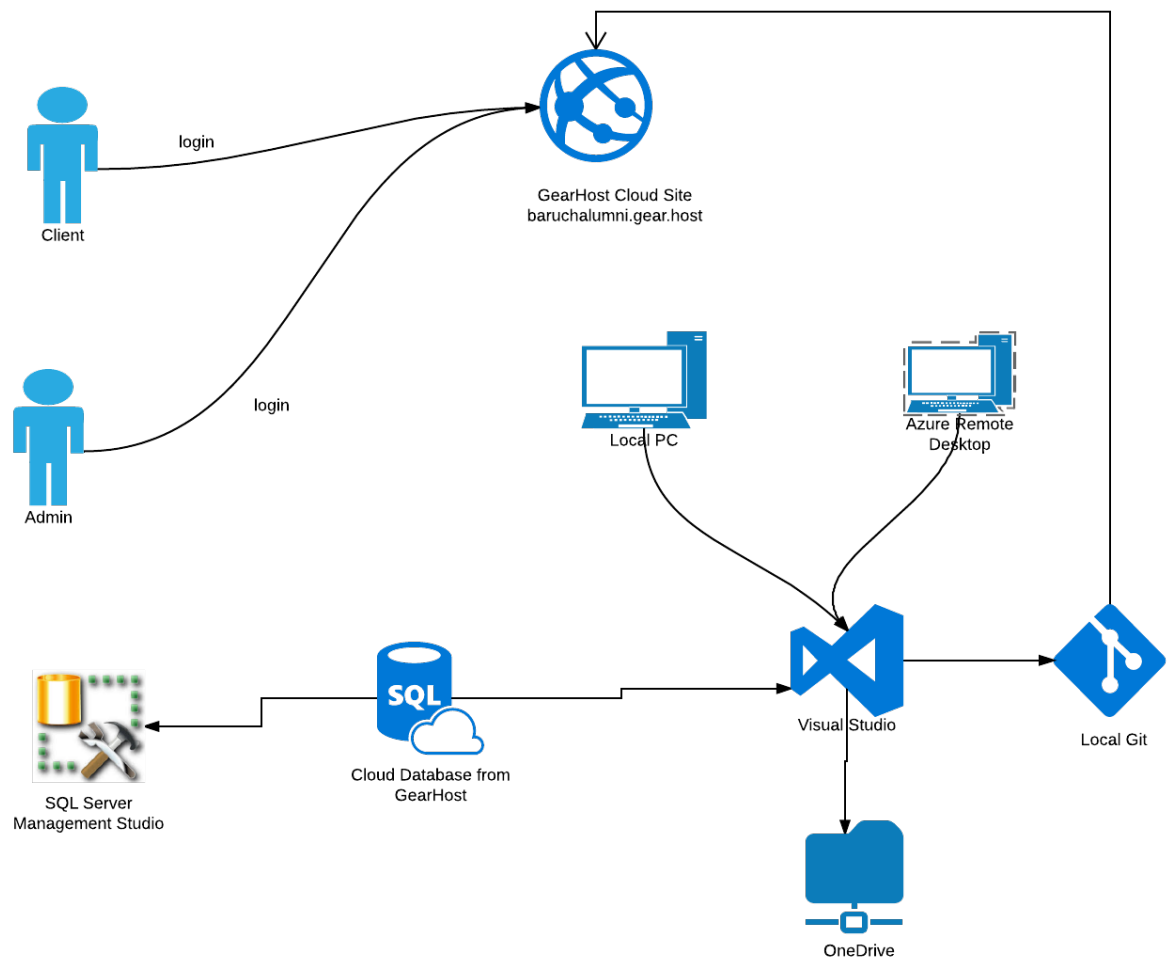
C. Training Plan

There are several different methods for delivering training, and we want to use a combination of the following methods to train our employees and end users:

- Individual hands-on instructor—An instructor walks each user individually through the process of performing common tasks and answers questions. This is the most expensive method, although potentially the most effective.
- Hands-on classroom style instructor-led training—An instructor shows users how the platform works and how to perform common tasks, with users performing the tasks themselves in a classroom/lab setting. Each user or pair of users has a computer on which to practice. Classes of 15 to 30 are often effective.
- Seminar style group demonstration—An instructor shows users how the software works and how to perform common tasks in a live demonstration. Groups of 20 to 50 are often effective.
- Computer Based Training (CBT)—CD-based or online (Web-based) self-paced training which allows end-users to complete interactive lessons that walk them through the processes of performing common tasks, and the software tests them on their performance and understanding.
- Book-based self-paced training—End-users complete workbook lessons in how to perform common tasks, often illustrated with screenshots.

Before we start training, it's helpful to first conduct a pilot training program of a small, selected group of users that best represent our overall user base. This will help us to identify problems and issues with various training methods before commit to these training.

C.   Support Plan

Support plan is important for our platform to be effective. We are planning to use the combination of the following support methods:

- Email - Reply email within 24 hours.
- Telephone – Our telephone support is available from 8:00am to 6:00pm.
- Online support – Our online support is available from 8:00am to 6:00pm. Customer support will chat with the end-users to help the with their platform issues.
- Help Desk - Our help desk is available from 8:00am to 6:00pm.

Our support plan will help the end-users, if they encounter any issues with the platform. Our support plan will also help the end-users, if they need any additional information about our platform or our organization.

D.   Proposed Future Enhancements

The future proposed enhancements will be based on the end-user and employee needs. Maybe in the future, we might have to create a social media account for our organization, so users can contact us or write a review on our platform. For example, we can create a facebook account for our organization where users can suggest us how we can improve our platform. Also, we can set a weekly meetings with our employees to brainstorm on how to improve or resolve issues with our platform.

IV. Closeout Report

A. Test Case List

Test ID	Test Name	Test Description	Tester	Test Date	Test Result (Pass/Fail/Not Tested)
TC1	User can access online system	User Login Use Case	Meilan Zheng	08/10/17	Pass
TC2	User can input and edit data on system	Record & Save Use Case	Tenzin Gaywa	08/10/17	Pass
TC3	User can access and view calendar	Access Calendar Use Case	Amanda Pulla	08/10/17	Pass
TC4	Admin can access and update system	Admin Update Use Case	Tenzin Gaywa	08/10/17	Pass
TC5	System can update seats available for event	Seats Available Update Use Case	Meilan Zheng	08/10/17	Fail
TC6	User can register for application successfully	User Register Use Case	Meilan Zheng	08/10/17	Pass
TC7	User data correctly stores to database	Binding User Data to System Use Case	Tenzin Gaywa	08/10/17	Pass

B. Requirement Traceability Matrix

Req.ID	Requirement Description	Use Case ID	Use Case	Priority	Complexity	Test ID	Implemented (Yes/No)
R-01	User should be able to access online system	UC1	User Login	High	Simple	TC1	Yes
R-02	User should be able to record and save data onto system	UC2	Record & Save	High	Complex	TC2	Yes
R-03	User should be able to retrieve data from database to generate events schedule/calendar	UC3	Access Calendar	High	Moderate	TC3	Yes
R-04	System should be able to be updated by administrator	UC4	Admin Update	High	Moderate	TC4	Yes
R-05	System should be able to decrement remaining seats when a user registers for the event	UC5	Seats Available Update	Medium	Complex	TC5	No
R-06	System should allow users to successfully register to application	UC6	Member Register	High	Simple	TC6	Yes
R-07	System should be able to bind User input to the database so that any changes will be saved to the database	UC7	Binding User Data to System	High	Complex	TC7	Yes
R-08	User should be able to interact with other members	UC8	User Interaction	High	Complex	TC8	No

C.   Product Acceptance Criteria

Acceptance Criteria	Met/ Not Met	Comment

Website will consist of 3 pages and the theme color will be blue. (Specific)	Met	Fulfilled objective of having Blue Color theme and 4 page Web Page
User can navigate the website using one click of a button. (Measurable)	Met	Appropriate CSS & HTML used to direct user
We will build the website using softwares that we are familiar with. (Achievable)	Met	GearHost, HeidiSQL, Dreamweaver used to develop application
Website will help students join our club and register for events. (Relevant)	Met	Database securely saves data of new registrant
The project will be complete within 9 weeks. (Time-Based)	Met	Project is closed and being implemented.

D. <u>Project Objectives</u>

Project Objectives	Met/ Not Met	Comment
Sign-up to become club members (Specific)	Met	New user's name and passwords are stored correctly after registration and allow members re-entry into system after credential validation
Select and sign up for activities of members' interest in 2-3 easy steps (Measurable)	Met	Registered users can select and register for event accordingly
View club events information/schedule (Achievable)	Met	Members have access to calendar; CSS/HTML work correctly to show end-user Calendar
Allow prospective members register in less than 5 minutes; fewer than previous registration model, 10 minutes (Time-Based)	Met	After filling out several fields New Member can register to system in less than 5 minutes

E. <u>Project Success Criteria</u>

Success Criteria	Met/ Not Met	Comment
Application will be able to register and record new club members (Specific)	Met	New user's name and passwords are stored correctly after registration and allow members re-entry into system after credential validation
Members must be able to successfully select and sign up for the correct activities (Measurable)	Met	Registered users can select and register for event accordingly
Members must be able to locate and access the appropriate event schedule and information (Achievable)	Met	Members have access to calendar; CSS/HTML work correctly to show end-user Calendar
Prospective members must be able to successfully register for membership quicker than previous model (Time-Based)	Met	After filling out several fields New Member can register to system in less than 5 minutes

Scope Changes

One of the major changes from the original plan was:

- Not allow users to select and sign up for events.
- Not show remaining seats when a user register for the event

The main reason of these changes were the lack of time. We wanted to develop a website with many different features. However, the timeframe we had to deliver the project was not enough for our team to complete with all the requirements. However we have met most of the requirements with high quality.

Lessons Learned

Some of the project areas the team did well:

- Well organized, each member team knew their role and what they needed to deliver in order to continue with the project.
- Time management, very important for every team member to manage their time and complete their own part prior the due date of their assigned task.
- Strategic objectives, which means having a clear assigned objectives helped achieve goals and overall lead to a successful project.
- Good communication and constant feedback, build relationship, trust and respect.

Some of the project areas the team did not do as well:

- Collaborating with other team members regarding critical aspects of the project using proper communication medium. Such as shared UML Design and Database design. Since there is no support of expert judgement, it is important to have group effort to make proper database design. Thus we could have more discussion and collaboration about this.
- We've had face to face meetings. It was sufficient amount of time. However, the distribution of the work was not well balanced.
- Did not use same technology and platform to collaborate with others that lead to misunderstanding and low collaboration. And it takes a lot of time to convert from one platform to another.
- Some of the development processes can be done more efficient with better planning. Due to the unfamiliarity of the project, some of the scope are not well identified. This lead to some of the plan was done during the executing process, such as query design and store procedure design. This is one of the reasons that lead to scope creep.

One of the things that would be different if placed in another project:
- Collaborate more
- Share the work amount equally
- Point out and use the same technology and platforms

Final Product

Link: http://baruchalumni.gear.host/

Admin Login:
    Username: Admin
    Password: admin

Client Login:
    Username: Client
    Password: Client

Appendix A

Team Assignment 1:

Project Business Case and Project Charter

Alpha (Team A)

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I. Document Information

Section Number	Section Title	Date Completed	Author
1	Summary	6/19/17	Ruhel Ahmed
2	Business Case	6/15/17	Amanda Pulla Meilan Zheng
3	Project Charter	6/15/17	Tenzin Gaywa Johnnie Vasquez
4	Project meeting Minutes	6/23/2017	All team members
5	Stakeholder Management Knowledge Area	6/22/2017	All team members

II. Summary

Baruch Student Support Group will serve as a platform where current Baruch students and alumni can sign-up to become a member, check existing activities and past events, as well as register for available events. Baruch College is located in New York City, it has large population of enrolled students and even larger population of successful alumnus in the City of New York and all over the world. As such, recent graduate Adam Neumann, CEO of WeWork, believes that the Baruch Alumni network is a valuable network that we as part of the same community should have access to. Currently Baruch students lack a platform to network with other students and alumni easily. Even though there is an existing Baruch Alumni page, it has limited functionality that does not allow students to engage. Baruch Student Support Group is a new platform that puts everyone all together in one place. This is where we can reach out to each other for jobs, fun networking events, social gathering and a place just to feel like how it once was at Baruch. We will fund this project using the generous donations from previous Baruch Alumni and also WeWork as our main sponsor. This is a great opportunity for everyone to come together under a single roof and work towards a common goal. This project will be completed by a development team with 5 members. The diversity of the team member will ensure the success of the project completion on time within a carefully defined scope and budget.

Information that will be outlined in this Business Case and Project Charter include:

Business Case

- Organization requiring the project
- Current situation the project will address
- Proposed solution to address the current situation
- High-level scope of the work to be performed
- Estimated timeframe for the project
- Estimated Direct/Indirect project costs
- Tangible and intangible benefits the project will yield
- Organization requiring the project
- Overall strategic objectives

    Project Charter

- Project title/Start and End dates
- Project team & Roles/Responsibilities
- Identification of Internal/External key project Stakeholders
- Measurable and testable project objectives using SMART (Specific, Measurable, Achievable,
- Relevant, Time-bound) criteria
- Criteria that will be used to determine the project a success
- Requirements and steps to be taken to create the project product, and achieve the project objectives and success.
- Criteria that will be used to determine product acceptance
- Assumptions (theories considered true without proof) that might impact project
- Constraints or limitations to project
- Negative or positive risks to project

III. Business Case

Company Name	Baruch Student Support Group
Industry	Education
Sponsor	WeWork CEO: Adam Neumann
Main Business Operation	1. Signup for membership 2. Check events 3. Register for events
Business Objective	To improve upon the existing Baruch Alumni webpage offered by Baruch College by creating an application that will focus on providing a platform for students to connect to each other and support each other more directly. Baruch Student Support Group will allow current students and alumni to support each other for professional & personal growth.
Project Selection Method	This project was chosen by categorizing existing problem of Baruch student network to offer greater opportunity and flexibility for students to network to each other
Current Situation	1. Limited functionality of existing Baruch Alumni website, such as list of Baruch alumnus. Students at Baruch are not able to maximize their network, share experience, and reach their personal growth. 2. Inflexibility of arranged events and lack of documentation and discussion forum of past event.
Proposed Solution	1. Build a user-friendly website. 2. Add more functionality than current website. 3. New functionality will allow current and past Baruch students to provide support, share experience, and connect easier with each other.

Preliminary Project Scope:	This project will be completed by 8/9/2017, it has a total duration of about 10weeks. It will be completed by a team with 5 developers. This website will allow all current Baruch students and alumnus to sign up to become a member, check events, and register for events. The project will meet the minimum requirement to include a Web interface, data input/output, and database update. Hardware will be available from team members, software will be available in baruch lab and free software provided for Baruch CIS students by the school. It is a carefully identified project based on existing resources. However, due to the experience of developers, the skills of our development team might be a constraint; however, we will seek support from professor or change some of our plan to ensure the success of this project.
Schedule Estimate	The timeframe for this project is approximately 8 weeks. Timeframe starts: 06/19/2017 Week 1: Planning and assigning team roles 6/19/2017 - 6/23/2017 Week 2: Analyzing and decide which platform to use. 6/26/2017 - 6/30/2017 Week 3-4: Designing and modeling 7/1/2017 - 7/15/2017 Week 5-7: Developing and testing 7/16/2017 - 7/31/2017 Week 8: Implementing 8/1/2017 - 8/9/2017 Timeframe ends: 08/09/2017
Budget Estimate:	**Direct Cost:** 1. Direct Labor: salary for each developer $5000/month/person 2. Direct Material: hardware and software: $3500 (fixed) 3. Direct Expense: Host $100/month **Indirect Cost:** 1. Indirect Labor: Salary for administration $3000/month 2. Indirect material: snacks, coffee and soda for developers $800/month 3. Indirect Expense: utilities for office rental $500/month
Benefits	**Tangible Benefit:** The benefits of this application, will allow Baruch students and alumni to register online which will help them to save time, more convenient to join the club, to check or register for any club event at any time of the day by just using their mobile or laptop. Providing them an easy and fast access. **Intangible Benefit:** Improve employment rate, attract potential donation from alumnus, improve Baruch College future enrollment rate, increase current student satisfaction and confidence, and reduce students' depression due to greater support and valuable network

IV. Project Charter

Project Title	Baruch Alumni App
Project Start and End Dates	06/12/2017 - 08/09/2017
Project Manager	Meilan Zheng
Project Objective	The goal of the project is to create a new web application for Baruch Alumni Organization. The Baruch Alumni application will allow users to: 1) Sign-up to become club members (Specific) 2) Select and sign up for activities of members' interest in 2-3 easy steps (Measurable) 3) View club events information/schedule (Achievable) 4) Allow prospective members register in less than 5 minutes; fewer than previous registration model, 10 minutes (Time-Based)
Project Success Criteria	To determine the Baruch Alumni App a successful project the application must demonstrate: 1) Application will be able to register and record new club members (Specific) 2) Members must be able to successfully select and sign up for the correct activities (Measurable) 3) Members must be able to locate and access the appropriate event schedule and information (Achievable) Prospective members must be able to successfully register for membership quicker than previous model (Time-Based
Project Requirement	1) The application shall allow the user to the ability to record and save data onto system database. 2) The application shall allow the user to retrieve data from database to generate events schedule/calendar. 3) The application shall have the ability to be updated by administrator. 4) There will be a binary class system for the application. Only the administrator class will have access to all functionality available. 5) The application shall operate on a computer that is running Windows/Mac OS and commonly used browsers (Chrome, FireFox, Safari, Explorer) 6) Event registration remaining seats should be

	decremented when a user register for the event 7) User input should be bind to the database so that any changed will be saved to the database 8) System analysis will be performed to make developers easier to code 9) Mobile friendly Web interface will be create to ensure better quality of user interaction 10) Relational database will be created to store transactional data 11) .Net frame will be used to bind user input with entities 12) All business will be turn into coding specifications 13) Issue will be identified and troubleshooted.

Product Acceptance Criteria	(1) Our website will consist of 3 pages and the theme color will be blue. (Specific) (2) User can navigate the website using one click of a button. (Measurable) (3) We will build the website using softwares that we are familiar with. (Achievable) (4) This website will help students join our club and register for events. (Relevant) (5) The project will complete within 9 weeks. (Time-Based)
Project Assumption	(1) We will complete the project on time. (2) We have a software or technology to meet project goals. (3) Our project cost will be within our budget. (4) Our project member have technical skills and knowledge to complete the project. (5) Our sponsor will support our project. (6) Our design for the project is sufficient.
Project Constraint	(1) Lack of technical skill. (2) Unrealistic planning and scheduling. (3) Software limitation. (4) No integrated planning and control.
Project Risk	(1) Poorly organized project plan. (2) Problems with team members. (3) No functional input into the planning phase. (4) Poor control of design changes. (5) Conflicting project priorities.

Project Team & Roles

Team Member Name	Role/Responsibility	Contact Information
Tenzin Gaywa	Database Administrator	tenzin.gaywa@baruchmail.cuny.edu
Ruhel Ahmed	Quality Assurance	ruhel.sql@gmail.com

	Analyst	
Johnnie Vasquez	Business Analyst	johnnie.vasquez@baruchmail.cuny.edu
Amanda Pulla	Lead Developer	amanda.pulla@baruchmail.cuny.edu
Meilan Zheng	Project Manager	meilan.zheng@baruchmail.cuny.edu

V.   Stakeholder Register

Stakeholder Name	Position	Internal/External	Role	Contact Information
Prof. Rudolph Brown	Professor	Internal	Supervisor	Rudolph.Brown@baruch.cuny.edu
Project members	Employee	Internal	Employee	N/A
Baruch Alumni	Members	Internal	Members	N/A
Baruch College	Employer	External	Employer	N/A
Current Baruch Student	Student	Internal	Member	N/A
Future Baruch student	Student	External	Prospective Member	N/A
Adam Neumann	Alumni	Internal	Sponsor	Adam.Nuemann@baruch.cuny.edu

Appendix B

Project Kick-Off:
Alpha Team

Meilan, Tenzin, Amanda, Johnnie, Ruhel• 06.26.2017

Overview

Expected delivery
August 9th, 2017

Recent progress
- We are in the phase of perfecting our plan.
- Once approved we can roll out the website.

Biggest risk
Meeting the deadline.

Introduction

Website/Form for Alumni Club

Problem: Need a platform of active alumni's helping each other out and the next generation of Baruch Students.

Solution: We will create a form for them. It will be created by our own team member who is a web designer hosted by Amazon Web Service.

94,000 Alumni   153 Countries   Global Forums

THE **POWER** OF THE

Baruch
Student Support Group

75 Regional Clubs   1000+ Alumni events each year

Business Case

Industry: Education

Sponsor: WeWork CEO: Adam Neumann

Functions:
1. Signup for membership
2. Check events
3. Register for events

Business Objectives:
our application focus on providing a platform for students to connect to each other and support each other more directly, and more closely for students' individual growth

Project Selection Method:
This project was chosen by categorizing existing problem of Baruch student network to offer greater opportunity and flexibility for students to network to each other

Current Situation:
1. Limited functionality of existing Baruch Alumni website, such as list of Baruch alumnus. Students at Baruch are not able to maximize their network, share experience, and reach their personal growth.
2. fast-paced urban life and hard-working Baruch students
3. inflexibility of arranged events and lack of documentation and discussion forum of past event

Proposed Solution:
By creating more user friendly website with added functionality than current Baruch Alumni website, Baruch alumni Support Group provides greater opportunity and flexibility for students and alumnis to seek or provide support, share experience, and easier to connect to each other.

Benefits

Tangible Benefit: The benefits of this application, will allow Baruch students and alumni to register online which will help them to save time, more convenient to join the club, to check or register for any club event at any time of the day by just using their mobile or laptop. Providing them an easy and fast access.

Intangible Benefit: Improve employment rate, attract potential donation from alumnus, improve Baruch College future enrollment rate, increase current student satisfaction and confidence, and reduce students' depression due to greater support and valuable network

Timeframe

Planning and assigning team roles		Designing and modeling		Implementing
06.19.17 - 06.23.17	06.23.17 - 06.30.17	07.01.17 - 07.15.17	07.16.17 - 07.31.17	08.01.17 - 08.09.17
	Analyzing and decide which platform to use		Developing and testing	
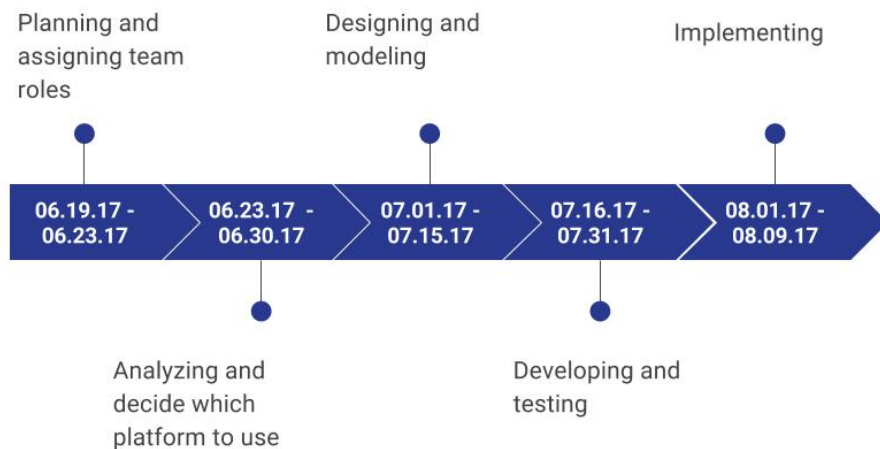
Proposed Technology

- **Planning & Modeling** - Microsoft Project 2013, Lucidchart (UML)
- **Web Development** - HTML, CSS, JavaScript, .NET(C#)
- **Database** - Microsoft SQL Server Management Studio, Visual Studio
- **Hosting/Publishing** - AWS/GearHost

Budget Estimate

Requirements

Direct Cost:
- Direct Labor: salary for each developer $5000/month/person
- Direct Material: hardware and software: $3500 (fixed)
- Direct Expense: Host $100/month

Indirect Cost:
- Indirect Labor: Salary for administration $3000/month
- Indirect Material: snacks, coffee and soda for developers $800/month
- Indirect Expense: utilities for office rental $500/month

Project Charter

Objectives

- Sign-up to become club members

- Sign up for activities in 2-3 easy steps

- View club events information/schedule

Requirements

- Record/Save data onto system database

- Retrieve data from database to generate events schedule/calendar

- User input should be bind to the database so that changes are saved

Risks

- Poorly organized project plan

- Problems with team members

- Conflicting project priorities.

Product/Project Criteria

Acceptance Criteria

- Students join our club and register for events

- Website will consist of 4 pages and the theme color will be blue.

- Complete within 9 weeks.

Success Criteria

- Register and record new club members

- Successfully register for membership quicker than previous model

- Successfully select and sign up for the correct activities

Project Assumption

- We will complete the project on time.

- Our project cost will be within our budget.

- Our sponsor will support our project.

Project Team & Roles

Team Member Name	Role/Responsibility	Contact Information
Tenzin Gaywa	Business Analyst	tenzin.gaywa@baruchmail.cuny.edu
Ruhel Ahmed	Database Admin	ruhel.sql@gmail.com
Johnnie Vasquez	Business Analyst	johnnie.vasquez@baruchmail.cuny.edu
Amanda Pulla	Lead Developer	amanda.pulla@baruchmail.cuny.edu
Meilan Zheng	Project Manager	meilan.zheng@baruchmail.cuny.edu

Stakeholders

Stakeholder Name	Position	Internal/External	Role
Prof. Rudolph Brown	Professor	Internal	Supervisor
Project members	Employee	Internal	Employee
Baruch Alumni	Members	Internal	Members
Baruch College	Employer	External	Employer
Current Baruch Student	Student	Internal	Member
Future Baruch student	Student	External	Prospective Member
Adam Neumann	Alumni	Internal	Sponsor

Appendix C

Team Assignment 3:

Project Management Plan (Planning Phase)

Alpha (Team A)

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I. Document Information

Section ID	Section Title	Date Completed	Author
1	Introduction	7/9/2017	Ruhel Ahmed
2	Organizational Management	7/9/2017	Johnnie Vasquez
3	Technical Approach	7/9/2017	Meilan Zheng
5	WBS	7/9/2017	Tenzin
6	Performance Reporting	7/9/2017	Amanda Pulla

II. Introduction

Team Alpha has identified that the current manner in which Baruch Alumni communicate with current students is flawed and that there current system is in need of an overhaul. To address this issue, Team Alpha will assign a team of five on the implementation and rollout a new website that will be easy to use and has a significant database in an effort to create more efficient and effective platform of communication between the two parties.

The Development, design and build of the Baruch Student Support Group Project will present both challenges and opportunities for successful implementation of the project. With a short deadline approaching, everyday counts before the Fall Semester begins. Team Alpha has already completed Initiating and Planning phases and now are executing task in the Production phase.

Team Alpha's ultimate goal by the completion of this project and beyond is to have a fully functional website that will allow Baruch College Alumni to easily create and post professional events in order to provide current Baruch students professional opportunities that could lead to jobs or internships.

Information to be discussed in the document include:

1. Organizational chart with all key company/group members performing the project.

2. Project Lifecycle planned to be used and benefits of using this lifecycle.

3. Technology and tools required for the project.

4. Project scope of work needed.

5. WBS demonstrating Subtasks, Duration, Start and Finish Dates, and Resource Names.

6. Status and Progress of project.

III. Organizational Management

Meilan Zheng (Project Manager)

Tenzin Gaywa (Database Administrator)

Amanda Pulla (Lead Developer)

Ruhel Ahmed (QA/Testing)

Johnnie Vasquez (Lead Ana
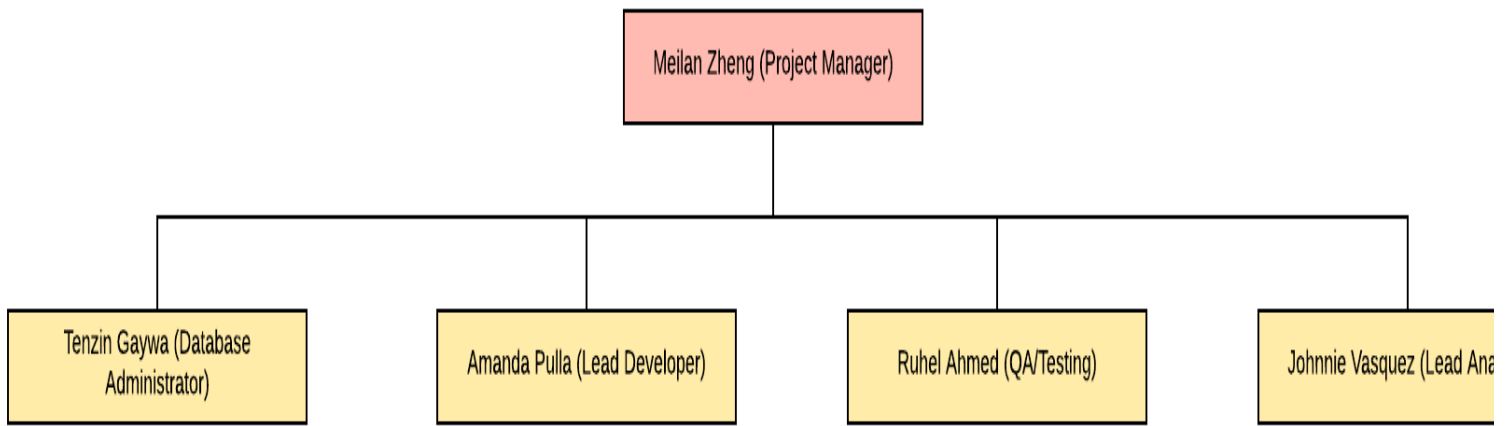
IV. Technical Approach

- **Project Lifecycle:** Adaptive-Agile/Scrum
- **Benefits:**
    1). adapt to change where possible, such as scope, design etc
 2). actual cost is not gonna be the same as budgeted cost. Agile makes it more flexible   to change the cost according to more clearly defined scope.
3). Encourage high degree of coordination within a team
4). Prioritize task to make sure the more valuable feature are implemented instead of do everything that are agreed on.

- **ii.Tools/Techniques**

    Planning & Modeling - Microsoft Project 2013, Lucidchart (UML)
    Web Development - HTML, CSS, JavaScript, .NET(C#)
    Database - Microsoft SQL Server Management Studio, Visual Studio
    Hosting/Publishing - AWS/GearHost
    Communicating - Message, Google Doc & Slides, Email

#		Task Mode	Task Name	Duration	Start	Finish	Predeces	Success	Resource Names	Cost	% Complete
1			⊿ 1 Alumni Website	43 days	Mon 6/12/17	Wed 8/9/17			All Team Member	$525,100.00	43%
2	✓	📌	⊿ 1.1 Initiating	6 days	Mon 6/12/17	Mon 6/19/17		11	All Team Member	$33,900.00	100%
3	✓	📌	1.1.1 Stakeholder identifica	2 days	Mon 6/12/17	Tue 6/13/17		7,10	Amanda	$400.00	100%
4	✓	📌	1.1.2 Stakeholder registration completed	1 day	Mon 6/12/17	Tue 6/13/17		7,10	Ruhel	$400.00	100%
5	✓	📌	1.1.3 Stakeholder management strategy	2 days	Mon 6/12/17	Tue 6/13/17		7,10	Meilan	$400.00	100%
6	✓	📌	1.1.4 Project charter	2 days	Mon 6/12/17	Tue 6/13/17		7,10	Johnnie,Tenzin	$800.00	100%
7	✓	📌	1.1.5 Project charter comple	2 days	Wed 6/14/17	Thu 6/15/17	3,4,5,6	10	Johnnie,Tenzin	$800.00	100%
8	✓	📌	1.1.6 Kickoff meeting	1 day	Thu 6/15/17	Thu 6/15/17		10	All Team Member	$1,350.00	100%
9	✓	📌	1.1.7 Kickoff meeting compl	1 day	Thu 6/15/17	Thu 6/15/17		10	All Team Member	$1,350.00	100%
10	✓		1.1.8 Project Proposal Presentation	1 day	Mon 6/19/17	Mon 6/19/17	3,4,5,6,7,8,!		All Team Members	$1,350.00	100%
11	✓	📌	⊿ 1.2 Planning	9 days	Tue 6/20/17	Fri 6/30/17	2	16	All Team Member	$45,050.00	100%
12	✓	📌	1.2.1 Project Schedule	5 days	Tue 6/20/17	Mon 6/26/17		15	Amanda,Meilan	$2,000.00	100%
13	✓	📌	1.2.2 Gantt chart complete	1 day	Tue 6/20/17	Wed 6/21/17		15	Ruhel	$600.00	100%
14	✓	📌	1.2.3 Scope statement	2 days	Tue 6/27/17	Wed 6/28/17		15	Johnnie,Tenzin	$800.00	100%
15	✓	📌	1.2.4 Initial scope statement completed	2 days	Thu 6/29/17	Fri 6/30/17	12,13,14		Johnnie,Tenzin	$800.00	100%
16		📌	⊿ 1.3 Execution	20 days	Sat 7/1/17	Thu 7/27/17	11	35	All Team Member	$132,325.00	25%
17	✓	📌	1.3.1 Analysis	3 days	Sat 7/1/17	Tue 7/4/17			Tenzin,Johnnie	$3,200.00	100%
18		📌	⊿ 1.3.2 Web Design	12 days	Wed 7/5/17	Thu 7/20/17		25	Amanda,Meilan,I	$9,300.00	23%
19		📌	1.3.2.1 Technical Design	12 days	Wed 7/5/17	Thu 7/20/17			Amanda,Meilan,H	$4,800.00	23%
20		📌	▷ 1.3.3 Database Design	12 days	Wed 7/5/17	Thu 7/20/17		25	Johnnie,Tenzin	$10,000.00	21%
25		📌	1.3.4 Prototyping	2 days	Fri 7/21/17	Mon 7/24/17	18,20	26,27	Ruhel,Hardware[1	$4,025.00	0%
26		📌	1.3.5 Testing	1 day	Tue 7/25/17	Tue 7/25/17	25	27	Ruhel,Hardware[1	$1,725.00	0%
27		📌	1.3.6 Implementation	1 day	Wed 7/26/17	Wed 7/26/17	25,26		Ruhel,Hardware[1	$8,725.00	0%
28		📌	⊿ 1.3.7 Support	1 day	Thu 7/27/17	Thu 7/27/17				$400.00	0%
29		📌	1.3.7.1 Documenting	1 day	Thu 7/27/17	Thu 7/27/17			Tenzin	$200.00	0%
30		📌	1.3.7.2 User Support	1 day	Thu 7/27/17	Thu 7/27/17			Johnnie	$200.00	0%
31		📌	⊿ 1.4 Controlling	3 days	Fri 7/28/17	Tue 8/1/17		35	All Team Member	$20,675.00	0%
32		📌	1.4.1 Project Document Upd	3 days	Fri 7/28/17	Tue 8/1/17			Tenzin	$600.00	0%
33		📌	1.4.2 Actual Hour Tracking	3 days	Fri 7/28/17	Tue 8/1/17			Meilan	$600.00	0%
34		📌	1.4.3 Team Review Meeting	3 days	Fri 7/28/17	Tue 8/1/17			Amanda,Ruhel	$3,225.00	0%
35		📌	⊿ 1.5 Closing	6 days	Wed 8/2/17	Wed 8/9/17	31,16		All Team Member	$49,100.00	0%
36		📌	1.5.1 Final Project report	4 days	Wed 8/2/17	Mon 8/7/17		37	All Team Member	$19,350.00	0%
37		📌	1.5.2 Final Project Presenta	1 day	Tue 8/8/17	Tue 8/8/17	36	38	All Team Member	$1,350.00	0%
38		📌	1.5.3 Project Complete	1 day	Wed 8/9/17	Wed 8/9/17	37		All Team Member	$1,350.00	0%

VI. Performance Reporting

Project Status & Progress Report

Project Title:	Alpha	Reporting Period Start Date:	07/03/2017
Project Team:	A	Reporting Period End Date:	07/10/2017
Prepared by:	Amanda Pulla	Date prepared:	07/09/2017

Overall Project Status
Indicate the Overall Project Status Green (On-track)   Yellow (At risk)   Red (Off-track)

Status	Comment
Green	Each team member is making sure to complete their own part prior the due date

Activities completed this reporting period
Indicate all activities completed since the last reporting period

Activity	Responsible Person	Date Completed
In Charge of Technical Approach	Meilan Zheng	07/09/2017
Created WBS	Tenzin	07/09/2017
Created a organizational chart	Johnnie	07/09/2017
Introduction	Rohel	07/09/2017

Activities planned for next reporting period
Indicate all activities planned for now through the next reporting period

Activity	Responsible Person	Due Date
Web Design (Technical Design)	Meilan & Amanda	07/20/2017
Database Design	Tenzin & Johnnie	07/20/2017
Prototyping	Ruhel	07/24/2017

Change Control
Indicate any major project change planned or completed since the last reporting period

Change Description/Impact	Responsible Person	Completion Or Due Date
Created WBS, planned tasks to complete for next period	Tenzin	07/10/2017
Created organizational chart	Johnnie	07/10/2017
Added communication tool and identified project life cycle	Meilan	07/10/2017
Tracked project status andIdentified change	Amanda	07/10/2017
Clarified Project Management Plan	Ruhel	07/10/2017

Productivity
For each team member, indicate the number of activities assigned and completed since last reporting period

Team Member	Number of Activities Assigned	Number of Activities Completed	Signature
Meilan	3	3	Meilan Zheng
Johnnie	3	3	Johnnie
Tenzin	3	3	Tenzin
Ruhel	3	3	Ruhel
Amanda	3	3	Amanda

Appendix D

Team Assignment 4:

Analysis & Design (Planning & Execution Phase)

Alpha (Team A)

Amanda Pulla amandapulla2@gmail.com

Ruhel Ahmed ruhel.sql@gmail.com

Tenzin Gaywa Tenzin.gaywa@gmail.com

Meilan Zheng zhengmeilan88@gmail.com

Johnnie Vasquez johnnie.vsqz@gmail.com

CIS 5800 - S3DA

Professor: Rudolph Brown

Contents

I. Document Information

Section ID	Section Title	Date Completed	Author
1	Executive Summary	07/20/17	Ruhel Ahmed
2	Requirements	07/20/17	Johnnie Vasquez
3	High-level Use Case Diagram	07/20/17	Johnnie Vasquez
4	Requirement Traceability Matrix	07/20/17	Johnnie Vasquez
5	Analysis & Design - Class Diagram	07/20/17	Tenzin Gaywa
6	Analysis & Design - UML Diagram Use Case, Activity, and Sequence Diagram	07/20/17	Tenzin Gaywa
7	Analysis & Design - Database Model	07/22/17	Tenzin Gaywa
8	Technical Design - UI & Navigation	07/22/17	Amanda Pulla
9	Technical Design - Query & Report Design	07/23/2017	Meilan Zheng
10	Document Setup & Meeting Minute	07/23/2017	Meilan Zheng
11	Technical Design - Source Code	07/22/2017	Amanda Pulla

II. Executive Summary

i. Team Alpha has identified that the current manner in which Baruch Alumni communicate with current students is flawed and that there current system is in need of an overhaul. To address this issue, Team Alpha will assign a team of five on the implementation and rollout a new website that will be user friendly and has a significant database in an effort to create more efficient and effective platform of communication between the two parties.

The Development, design and build of the Baruch Student Support Group Project will present both challenges and opportunities for successful implementation of the project. With a short deadline approaching, everyday counts before the Fall Semester begins. Team Alpha has already completed Initiating and Planning phases and now are executing task in the Production phase.

Team Alpha's ultimate goal by the completion of this project and beyond is to have a fully functional website that will allow Baruch College Alumni to easily create and post professional events through administrator in order to provide current Baruch students professional opportunities that could lead to jobs or internships.

ii. In the following document, we will be presenting our UML diagrams that demonstrate how our users will be interacting with the system interface. It will also showcase how different admin's and desktop support play a role and all work to achieve a successful end goal. We created the requirement traceability matrix chart which organizes the way we see the needs of the user from priority to complex. We have laid out our designs in this as well such as class diagram, activity diagram, sequence diagram, database model, and data dictionary. We also exemplify the technical design and what the user interface will look like. We broke down the back-end codes of this to show how it is all done.

III. Scope Management

i. Requirements

R-01)   The application shall allow the user to the ability to access online application.

R-02)   The application shall allow the user the ability to record and save data onto system database.

R-03)   The application shall allow the user to retrieve data from database to generate events schedule/calendar.

R-04)   The application shall have the ability to be updated by administrator.

R-05)   Event registration remaining seats should be decremented when a user register for the event.

R-06)   Issue will be identified and troubleshooted by administrator.

R-07)   User input should be bind to the database so that any changed will be saved to the database.

R-08)   The application shall allow the user to interact with other members through the use of a native chat app building solution.

ii. Use Case Diagram
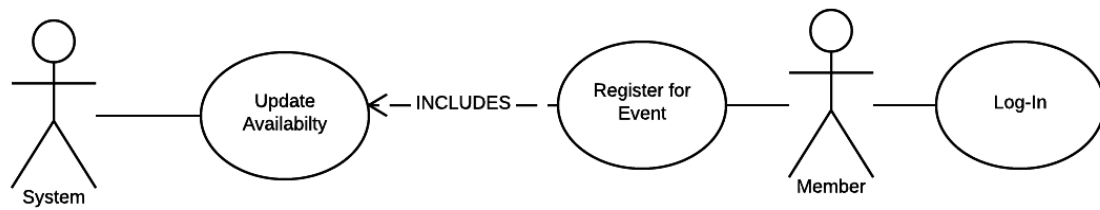
UC1-User Login
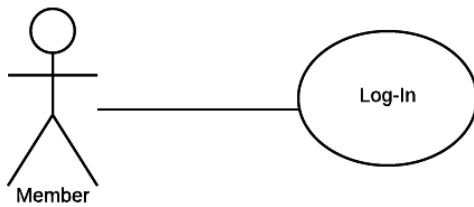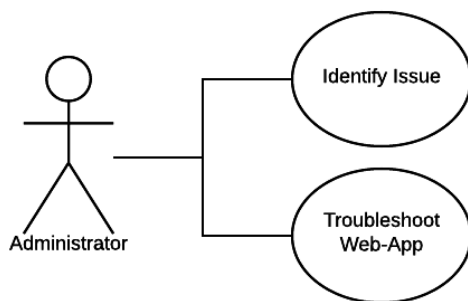

UC2 - Record & Save
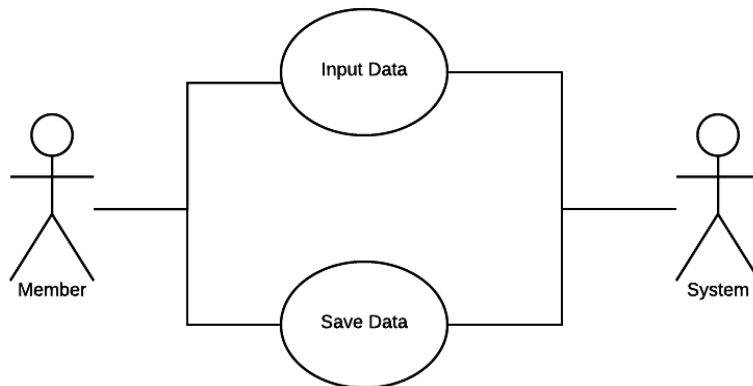
UC3 - Access Calendar
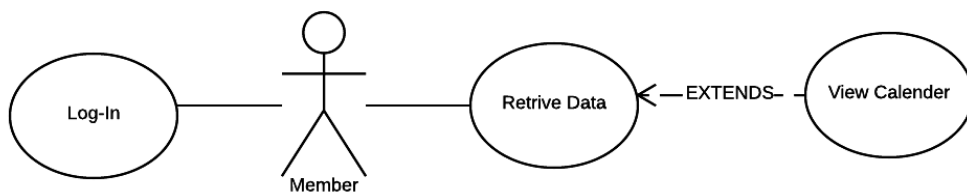
UC4 - Admin Update
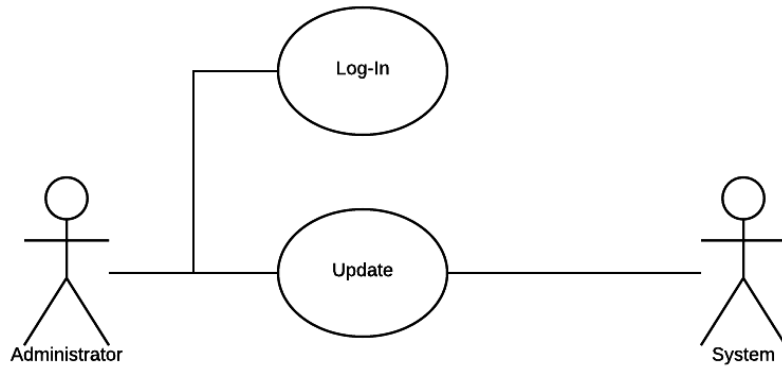
UC5 - Seats Available Update
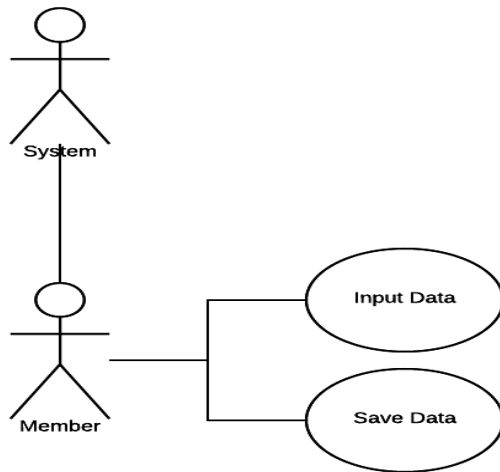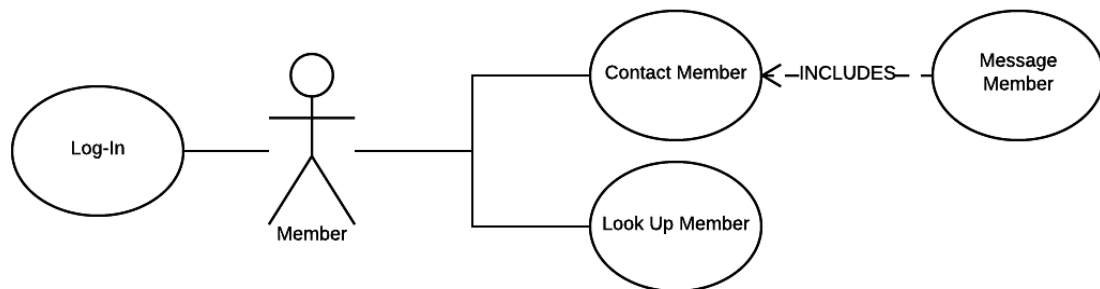

UC6 - Tech Support

UC7 - Binding User Data to System

UC8 - User Interaction

iii. Requirement Traceability Matrix
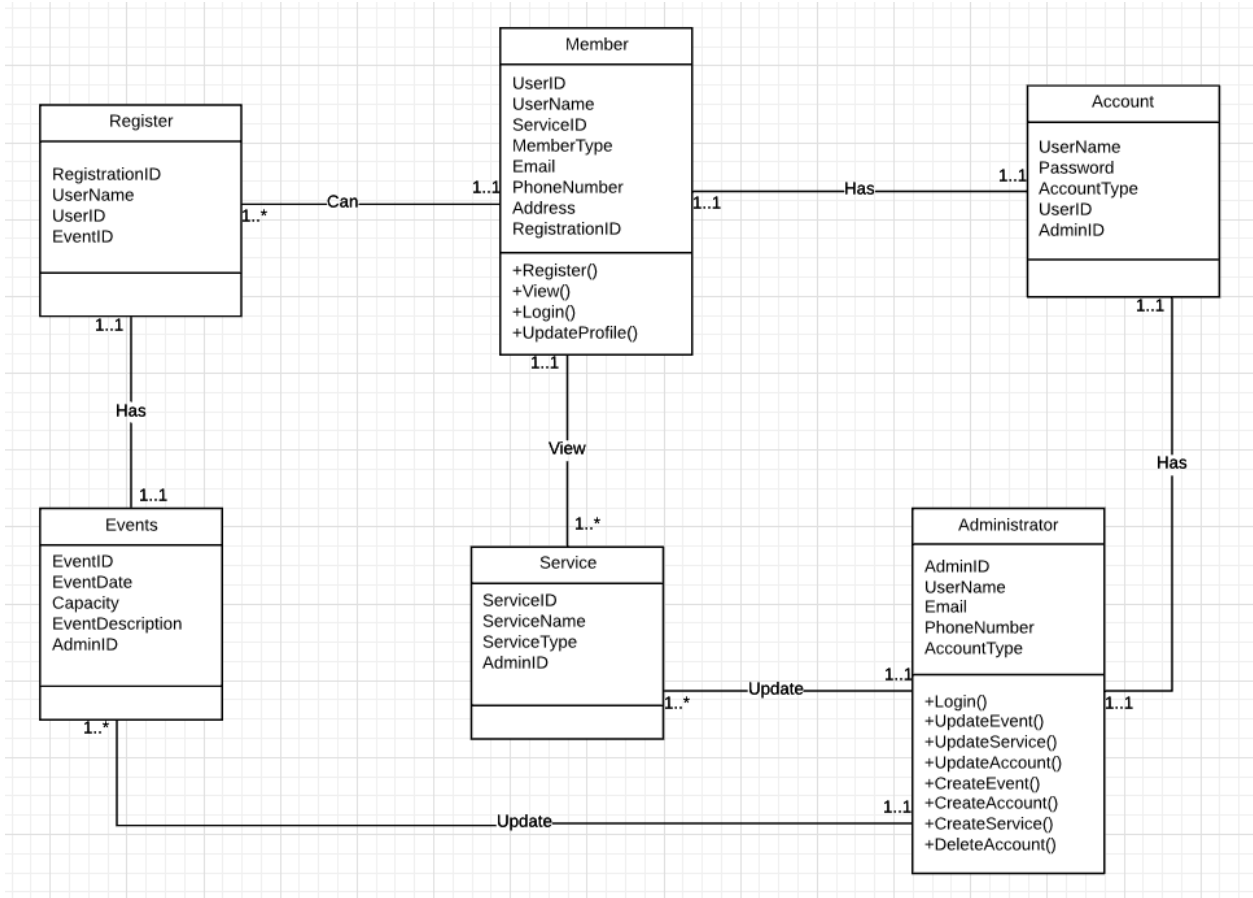
Req.ID	Requirement Description	Use Case ID	Use Case	Priority	Complexity
R-01	User should be able to access online system	UC1	User Login	High	Simple
R-02	User should be able to record and save data onto system	UC2	Record & Save	High	Complex
R-03	User should be able to retrieve data from database to generate events schedule/ca	UC3	Access Calendar	High	Moderate

	lendar				
R-04	System should be able to be updated by administrator	UC4	Admin Update	High	Moderate
R-05	System should be able to decrement remaining seats when a user registers for the event	UC5	Seats Available Update	Medium	Complex
R-06	System should allow administrator to identify and troubleshoot issues	UC6	Tech Support	High	Simple
R-07	System should be able to	UC7	Binding User Data to	High	Complex

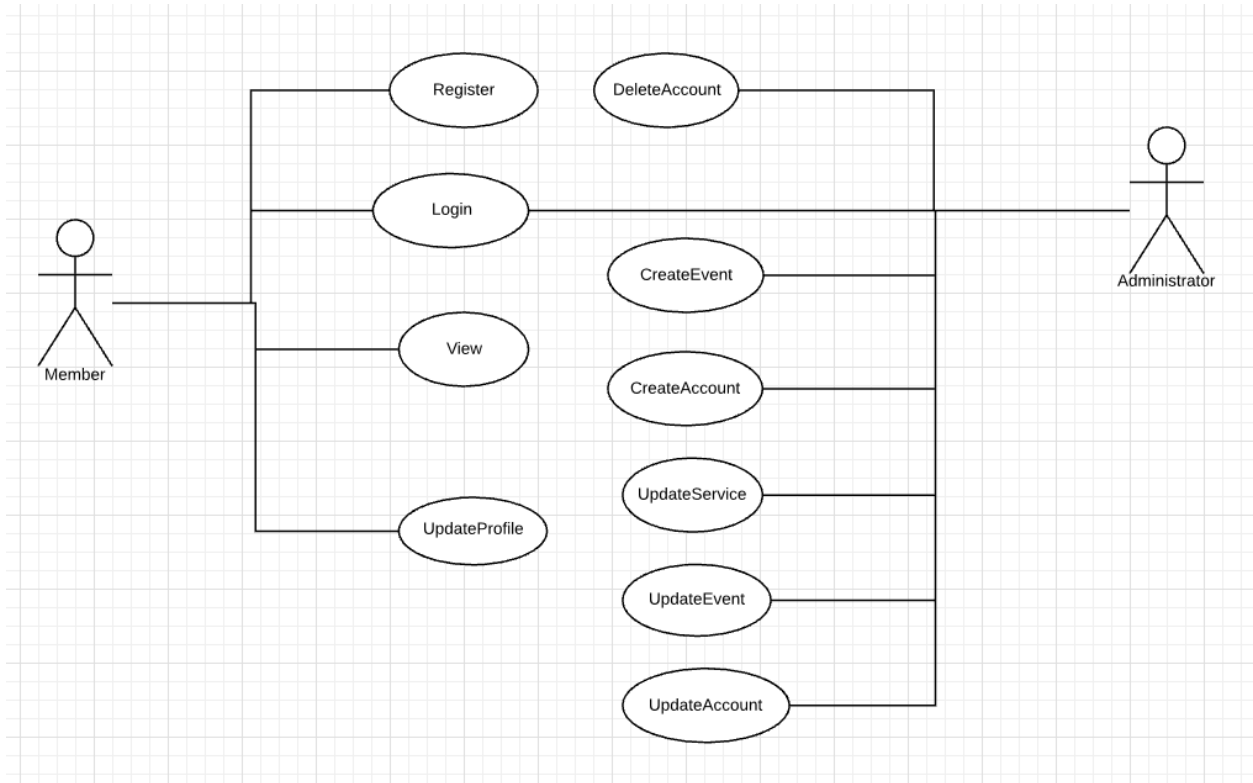|			System		
	bind User input to the database so that any changes will be saved to the database				
R-08	User should be able to interact with other members	UC8	User Interaction	High	Complex

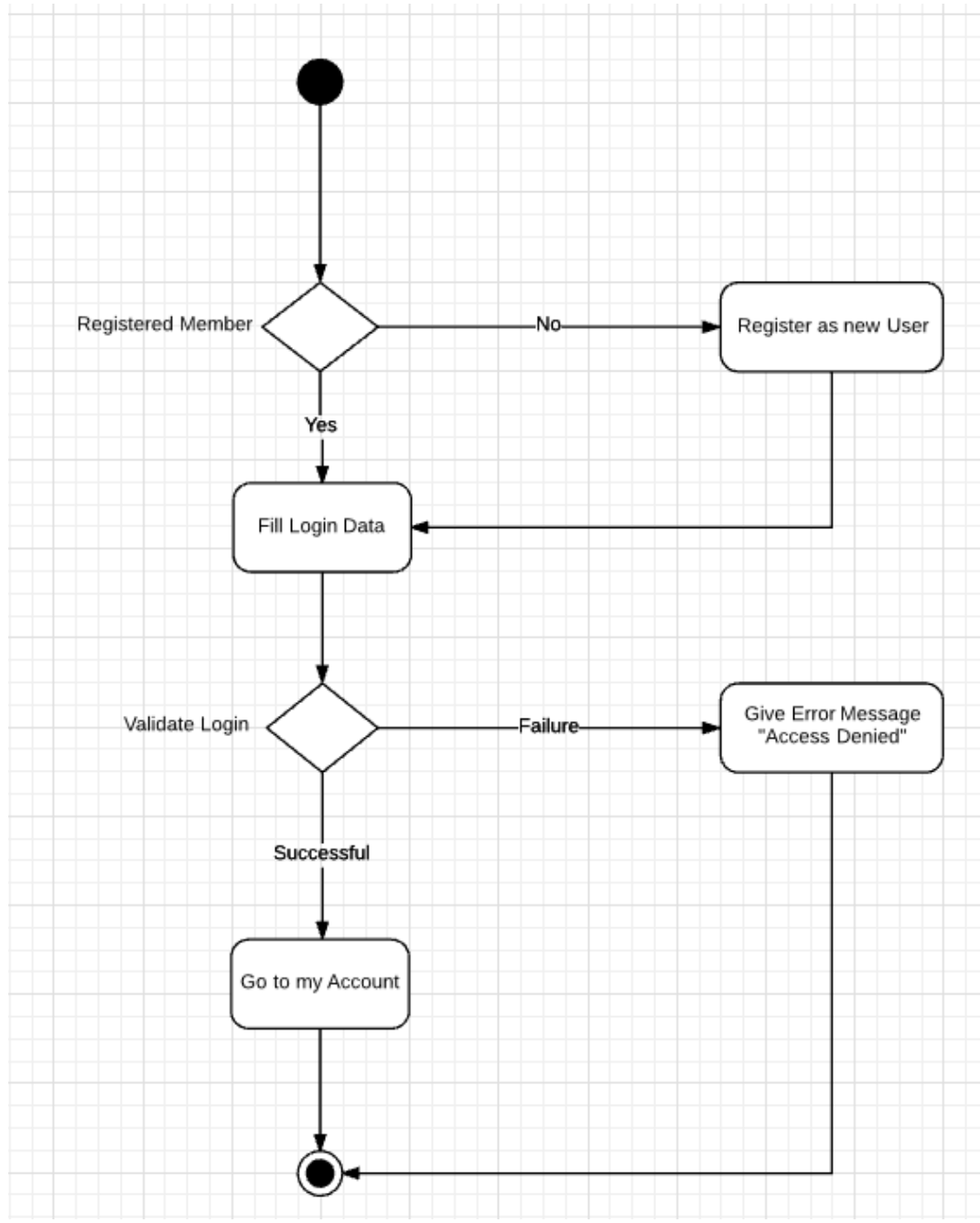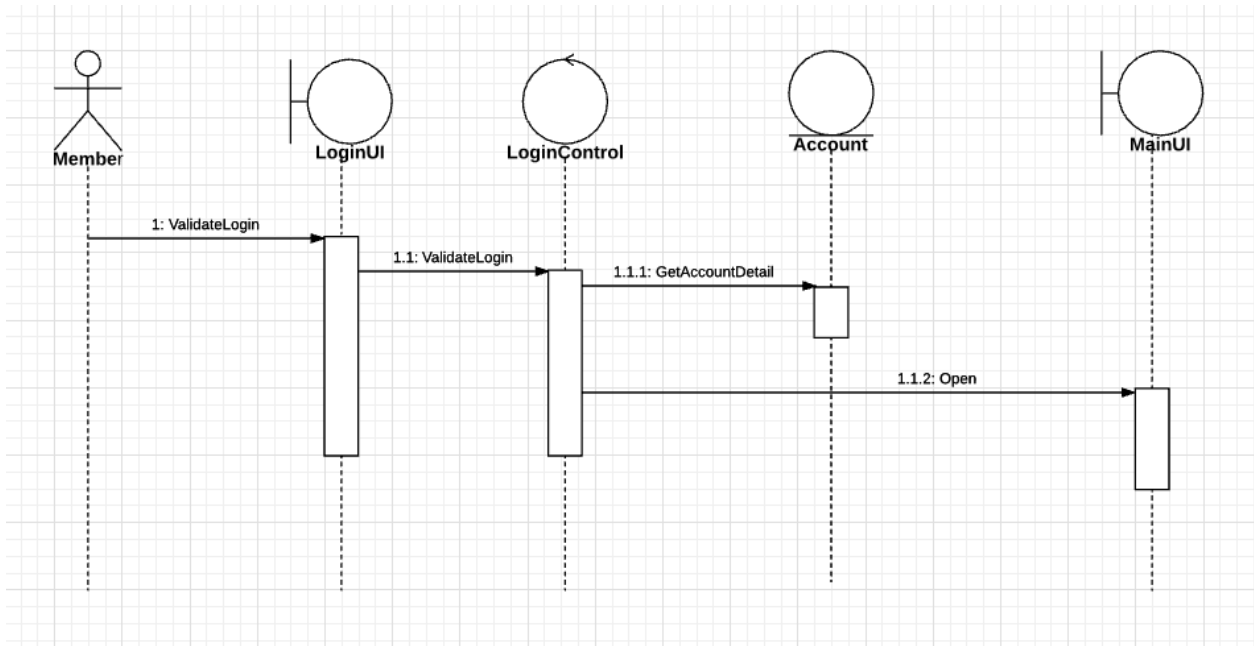# IV. Analysis & Design

i. Class Diagram:

ii. UML Diagramming:

Use Case Diagram

Activity Diagram

Registered Member

No

Register as new User

Yes

Fill Login Data

Validate Login

Failure

Give Error Message "Access Denied"

Successful

Go to my Account

Sequence Diagram

iii. Database Model
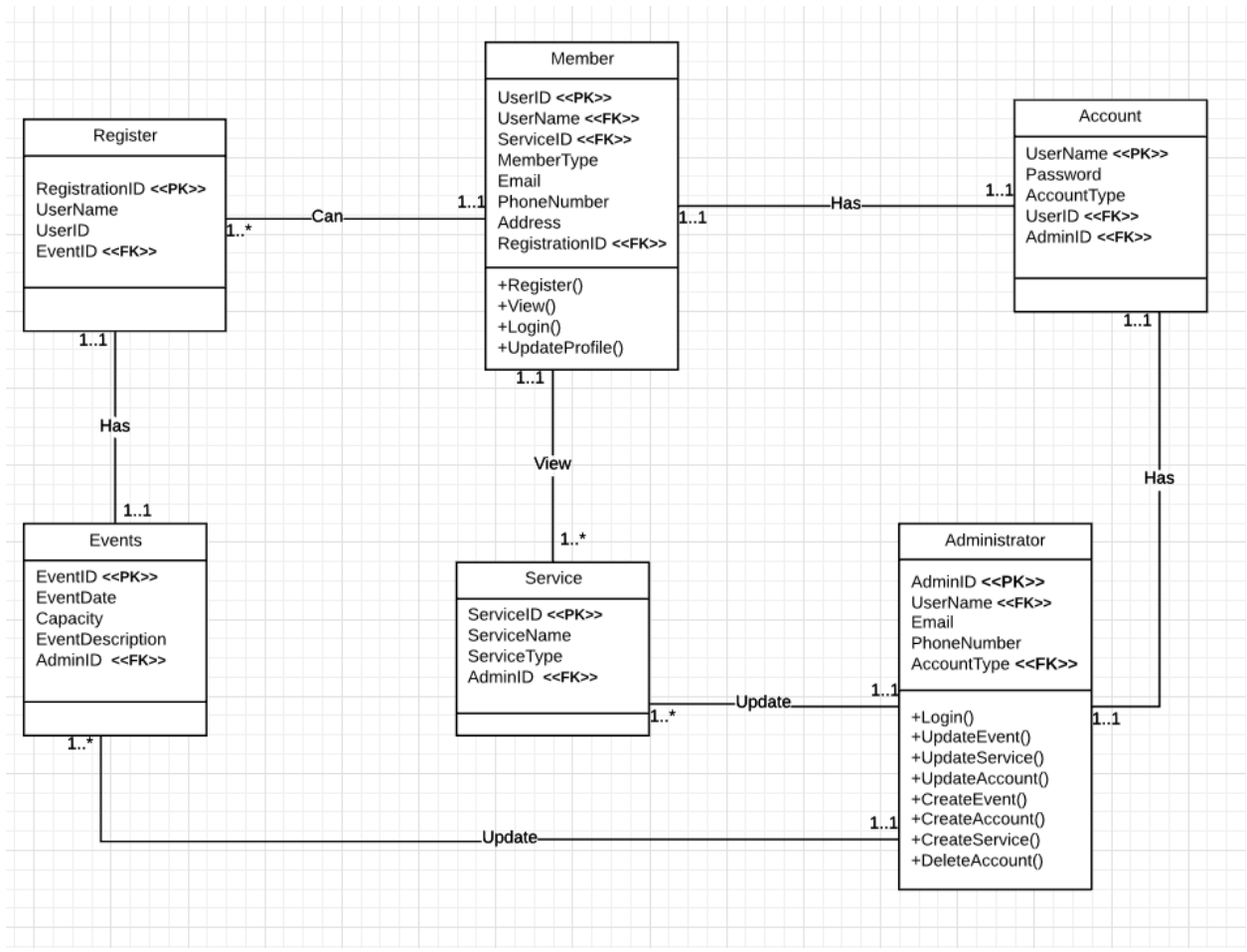
Data Dictionary

Table	Member						
Field Name	UserID	UserName	ServiceID	PhoneNumber	Email	RegistrationID	Address
Field Length	10	50	15	15	30	10	50
Data type	int	Varchar	int	int	Varchar	int	Varchar
Primary key or foreign key	PK	FK	FK	N/A	N/A	FK	N/A

Table	Register Event			
Field Name	RegistrationID	UserName	UserID	EventID
Field Length	10	50	10	10
Data type	int	Varchar	int	int
Primary key or foreign key	PK	N/A	FK	FK

Table	Event				
Field Name	EventID	EventDate	EventDiscription	Capacity	AdminID
Field Length	10	General Date	150	100	10
Data type	int	Date	Varchar	Varchar	int
Primary key or foreign key	PK	N/A	N/A	N/A	FK

Table	Account		
Field Name	AccountType	UserID	AdminID
Field Length	50	10	10
Data type	Varchar	int	int
Primary key or foreign key	PK	FK	FK

Table	Service				
Field Name	ServiceID	MemberType	ServiceName	ServiceType	AdminID
Field Length	15	100	150	150	10
Data type	int	Varchar	Varchar	Varchar	int
Primary key or foreign key	PK	N/A	N/A	N/A	FK

Table	Login	
Field Name	UserName	Password
Field Length	50	20
Data type	Varchar	Varchar
Primary key or foreign key	PK	N/A

Table	Administrator				
Field Name	AdminID	UserName	PhoneNumber	Email	AccountType
Field Length	10	50	15	30	50
Data type	int	Varchar	int	Varchar	Varchar
Primary key or foreign key	PK	FK	N/A	N/A	FK

V. Technical Design

i. User Interface (UI)
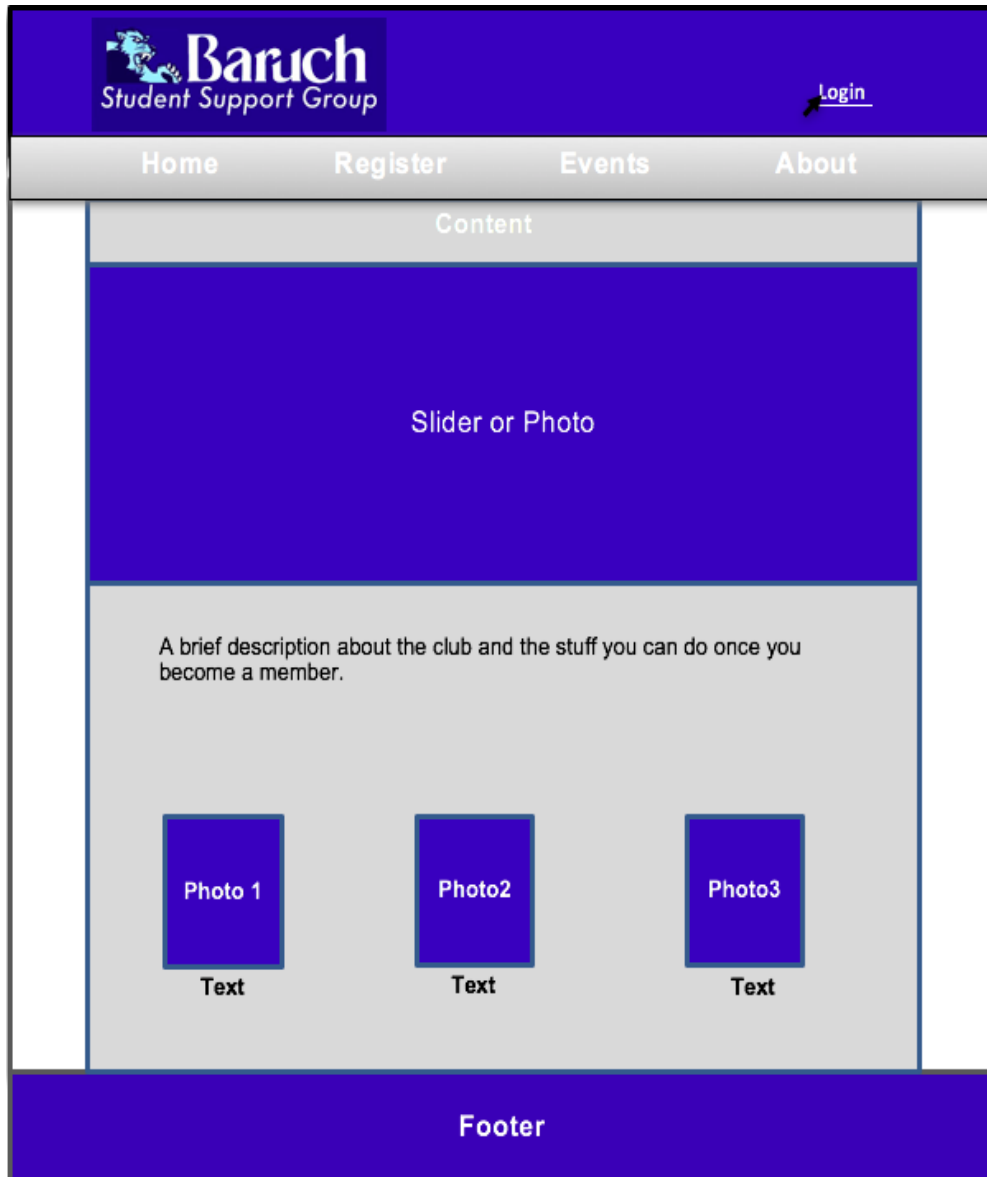
Home Page

Register Page

Profile Page

ii. Navigation
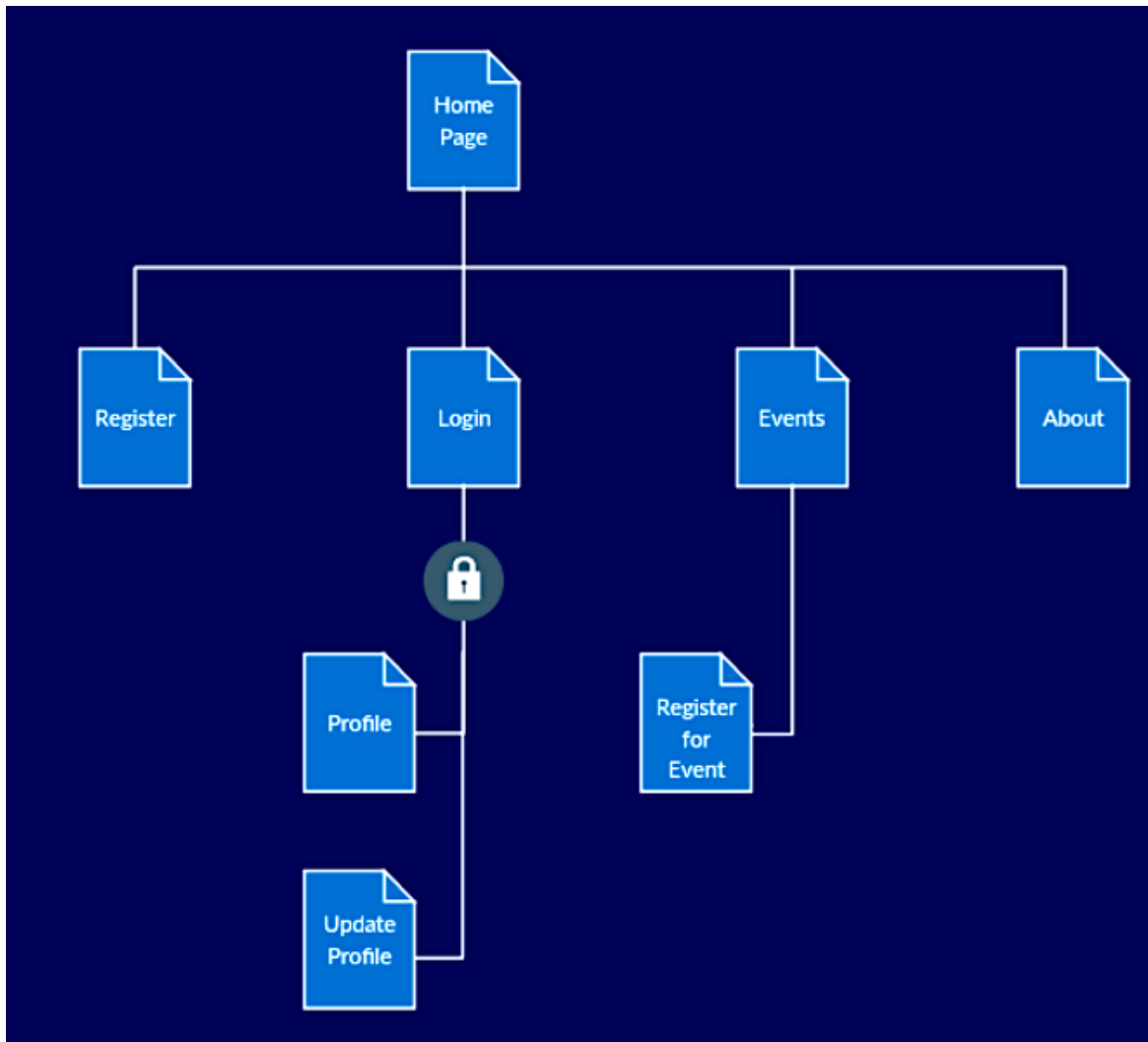
iii. Query Design

1. Create Table:
CREATE TABLE Register (PersonID int, FullName varchar(25),Email varchar(25),Pass varchar(25));

2. Calculate Number of people registered for event

select count(*) from event;

iv. Report Design

- NA

v. External Interface

- NA

vi. Source Code

1. **Login Form with HTML5**

```
<body>
<h2>Baruch Student Support Group</h2>
<form action="/#.php">
<div class="container">
    <label><b>Username</b></label>
     <input type="text" placeholder="Enter Username" name="uname" required>
     <label><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="psw" required>
    <button type="submit"style="background-color:blue">Login</button >
    <input type="checkbox" checked="checked"> Remember me
 </div>
<div class="container" style="background-color:lightgrey">
     <button type="button">Cancel</button>
<span class="passw">Forgot <a href="#">password?</a></span>
 </div>
    </form>
    </body>
```

```
<body>
 <h2>Baruch Student Support Group</h2>
<form action="/#.php">
      <div class="container">
              <label><b>Username</b></label>
              <input type="text" placeholder="Enter Username" name="uname" required>
              <label><b>Password</b></label>
              <input type="password" placeholder="Enter Password" name="psw" require
              <button type="submit"style="background-color:blue">Login</button >
              <input type="checkbox" checked="checked"> Remember me
      </div>
      <div class="container" style="background-color:lightgrey">
              <button type="button">Cancel</button>
        <span class="passw">Forgot <a href="#">password?</a></span>
      </div>
</form>
</body>
```

2. Registration Form to become an Alpha Member

```
<body>
<h2>Become an Alpha now!</h2>
<p>Please fill out all required text fields*</p>
 <form method="post" action="#.php">
  <div class="container">
      <div class="col-sm-5 form-group">
<input class="form-control" id="name" name="name" placeholder="Name*" type="text"
required="required">
      </div>
      <div class="col-sm-5 form-group">
<input class="form-control" id="email" name="email" placeholder="Email*" type="email"
required="required">
      </div>
      <div class="col-sm-5 form-group">
<input class="form-control" id="Phone" name="Phone" placeholder="Phone Number*"
type="Phone" required="required">
      </div>
      <div class="col-sm-5 form-group">
<input class="form-control" id="username" name="username" placeholder="Create an
username*" type="Date" required="required">
      </div>
      <div class="col-sm-5 form-group">
<input class="form-control" id="passw" name="passw" placeholder="Create a password*"
type="passw" required="required">
```

73

```
            </div>
            <div class="col-lg-5 form-group">
            <button type="submit"style="background-color:white">Sign Up</button >
</div>
</form>
</body>
```

```html
<body>
<h2>Become an Alpha now!</h2>
<p>Please fill out all required text fields*</p>
<form method="post" action="#.php">
  <div class="container">
        <div class="col-sm-5 form-group">
         <input class="form-control" id="name" name="name" placeholder="Name*" type="text"  required="required">
        </div>
        <div class="col-sm-5 form-group">
         <input class="form-control" id="email" name="email" placeholder="Email*" type="email" required="required">
        </div>
        <div class="col-sm-5 form-group">
         <input class="form-control" id="Phone" name="Phone" placeholder="Phone Number*" type="Phone" required="required">
        </div>
        <div class="col-sm-5 form-group">
         <input class="form-control" id="username" name="username" placeholder="Create an username*" type="Date" required="required">
        </div>
        <div class="col-sm-5 form-group">
         <input class="form-control" id="passw" name="passw" placeholder="Create a password*" type="passw" required="required">
        </div>
        <div class="col-lg-5 form-group">
         <button type="submit"style="background-color:white">Sign Up</button >
</div>
</form>
</body>
```

VI. Meeting Minutes

Meeting/Project Title:	Initiating Project	Group Name/No.	Team A
Meeting Date: (MM/DD/YY)	07/19/2017	Start Time:	7:00pm
Meeting Type:	Face-to-Face **X** / Virtual —	End Time:	7:30pm
Facilitator:	All team member	Minutes Taker:	NA

1. **Meeting Objective**

1. Discuss who will be responsible to finish which part of assignment 4

2. **Attendance**

Name	In Attendance (Y/N)	Reason for Absence
Amanda	Y	NA
Ruhel	Y	NA
Meilan Zheng	Y	NA
Tenzin Gaywa	Y	NA

Johnnie Vasquez	Y	NA

3. Agenda, Decisions, Issues

Discussion Notes	Discussion led by
What to do with UI Design	Amanda
What to incorporate for Technical Design	Meilan
What entities involved for the project	Tenzin Gaywa

4. Action Item/Task Assigned

Activity	Assigned To	Due Date
UI & Interface design	Amanda	7/21/2017
UML Design	Tenzin Gaywa	7/21/2017
Gather requirements	Johnnie	7/21/2017

Executive Summary	Ruhel	7/21/2017
Technical Examination	Meilan Zheng	7/21/2017

5. Next Meeting

Date:	7/24/2017	Time:	7pm	Meeting Type:	Face-to-Face **X** / Virtual
Objective:	Refine assignment 4 and project scope				

Project Team Members Names and Signature:

Name (print)	Signature	Date
Meilan Zheng	*meilan zheng*	**7/21/2017**
Amanda Pulla	*Amanda Pulla*	**7/21/2017**
Tenzin Gaywa	*Tenzin Gaywa*	**7/21/2017**
Johnnie Vasquez	*Johnnie Vasquez*	**7/21/2017**

Ruhel Ahmed	*Ruhel Ahmed*	**7/21/2017**

Appendix E

Project Overview

Project Team & Roles

```
                    Meilan Zheng (Project Manager)
                                |
        _____|_____
       |                |                 |              |
Tenzin Gaywa     Amanda Pulla      Ruhel Ahmed      Johnnie Vasquez
(Database        (Lead Developer)  (QA/Testing)     (Lead Analyst)
Administrator)
```
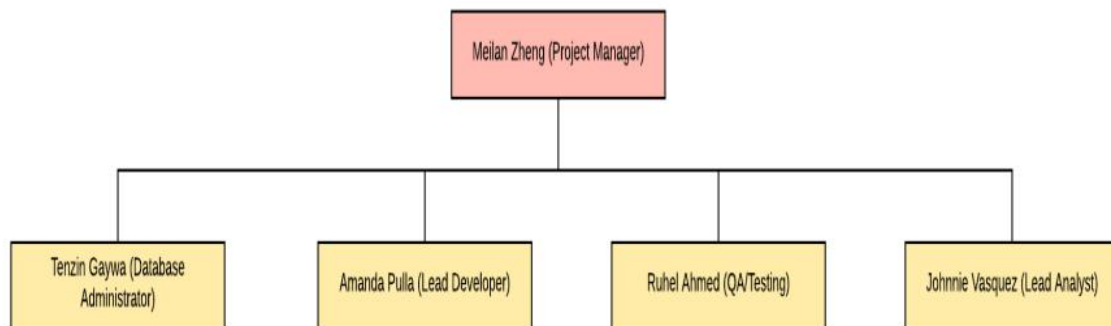
Product

Website/Form for Alumni Club

Problem: Need a platform for Baruch alumni, so they can help each other and Baruch students to improve their professional career and goals.

Solution: We will create a platform for Baruch alumni and students to help them with their professional career. The platform will be created by our team members.

Project Objectives

The Baruch Alumni application will allow users to:

Sign-up to become a club member

Select and sign up for activities of members' interest in 3 easy steps

View club events, services, and schedules

Functions/ Features

http://baruchalumni.azurewebsites.net/index.aspx

Member Registration

Sign up Procedure	Code Behind	UI

Member Log-In

Login Procedure	Code Behind	UI

Integrated Calendar

Database Event Table	Code Behind	UI

Baruch Student Support Group

Application Overview

Application Demo

http://baruchalumnisupportgroup.gear.host/

Database/Heidi SQL (Back-End)

Table overview

Queries

Requirements Met

Requirements	**Met/Not Met**	**Why/Why Not**
Record and save data into system database.	Met	New registrant can access application & events are saved on calendar
Retrieve data from database to generate schedule/calendar.	Met	Calendar and events are displayed on website
Ability to be updated by administrator.	Met	Admin privilege allow for changes to application
Operate on Windows/Mac OS & Commonly used browsers.	Met	Tested and succeeded on several Browsers (Firefox, Chrome, Safari and Explorer)
Seats should decrement when a user register for the event.	Not Met	Time & Complexity

Acceptance Criteria Met

Acceptance Criteria	Met/Not Met	Why/Why Not
4 Page Website/ Theme Color Blue (Specific)	Met	Fulfilled objective of having Blue Color theme and 4 page Web Page
Navigate pages in 1-Click (Measurable)	Met	Appropriate CSS & HTML used to direct user
Build Website with Familiar Development Tools (Achievable)	Met	GearHost, HeidiSQL, Dreamweaver used to develop application
Allow Students to Register to Club (Relevant)	Met	Database securely saves data of new registrant
Complete Within 9 Weeks. (Time-Based)	Tentative	Still some bugs and time left

Wrap-Up

Lessons Learned

- Team work and organization matters

- Deadlines help push workflow.

- Having clear assigned objectives help achieve goals

- Deliverables are important in analyzing progress or setbacks

- Constant feedback is necessary

Closing Summary

Plan

- Brain-Storm what Baruch Students really needed from their Alumni and how they can help.
- Create an easy, user efficient website to where students can attend Alumni events
- Get the technical aspects to work.

Results

- Website host works
- Database is connected
- Students and Alumni's can now signup and login

Thank You!
Team Alpha will now take
any questions.