

Student Organization System (SOS)

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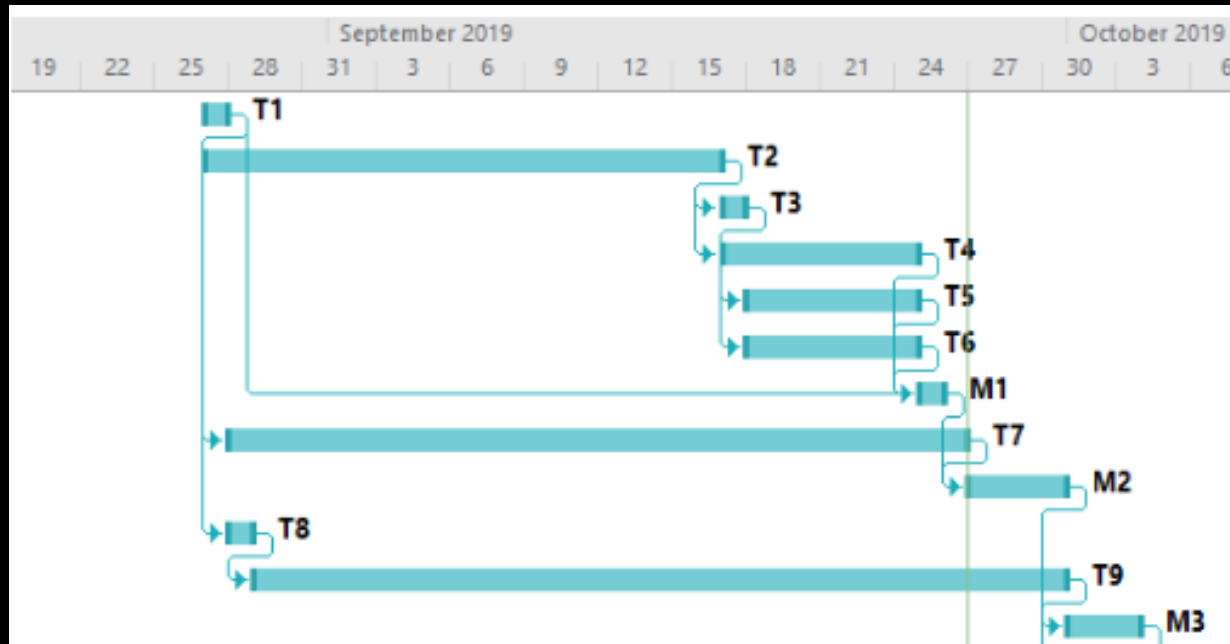
M.Kian Maroofi – Time Keeper

Date: 10/01/2019

Purpose and Scope of System

- Provide a single point of access to all users to
 - Check all the organizations they belong to.
 - Find nearby events hosted by organizations.
 - Discover new organizations.
 - Connect with other members.
- Manage organization leaders and their privileges.
- Create and advertise organization-related events.
- Out of Scope:
 - Social Media Features
 - Organization finance management.

Project Schedule

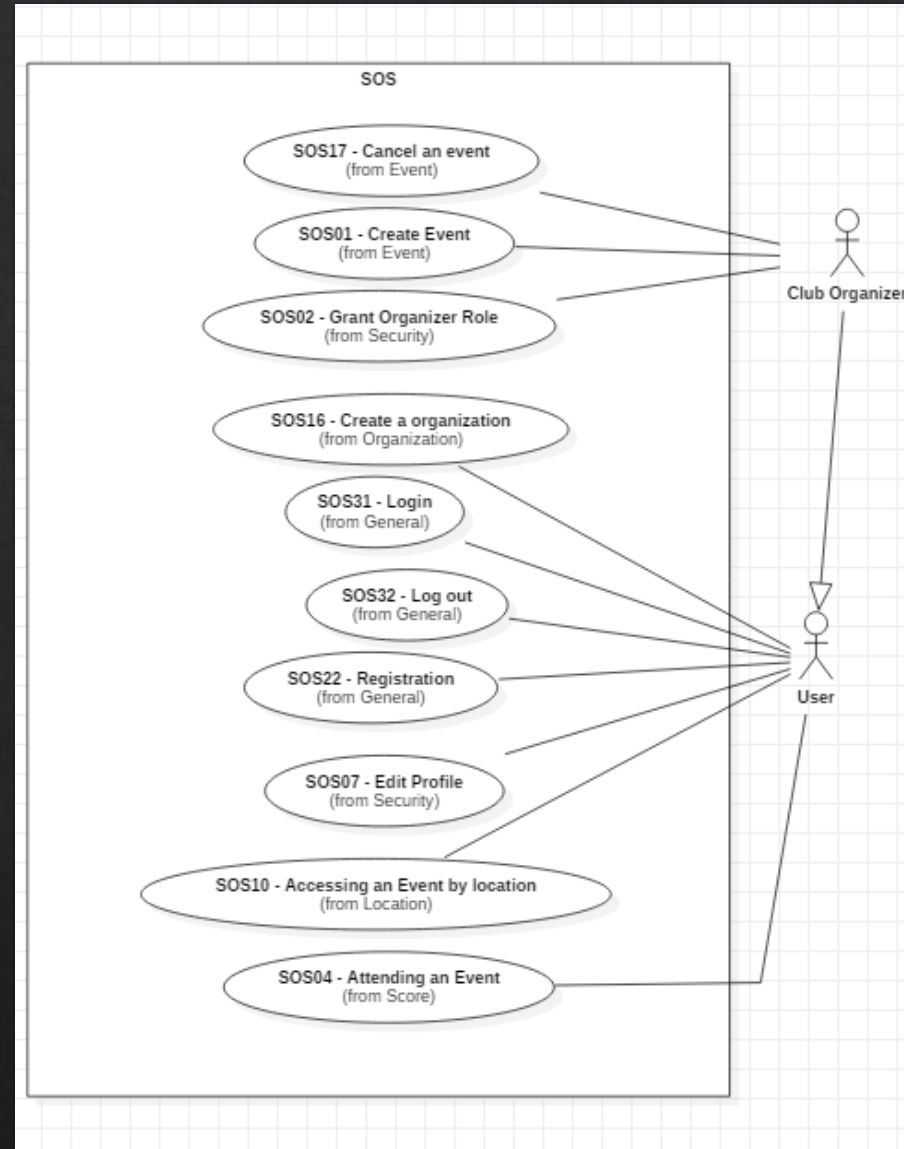


Gantt chart for the first deliverable.

Task	Group	Description	Duration (Days)	Dependencies
T1		Set up Communication Methods: Weekly Meeting, WhatsApp Group, and GitHub.	1	
T2	Requirements Elicitation	Identify Use Cases for the Complete System	15	
T3	Requirements Elicitation	Decide on 10 Implementation Use Cases	1	T2
T4	Requirements Elicitation	Create Use Case Diagrams	6	T2
T5	Requirements Analysis	Create Sequence Diagrams and Class Diagram for 10 Implementation Use Cases	5	T3
T6	Requirements Analysis	Create Scenarios and Object Diagram for Use Cases	5	T3
M1		Write up SRD Sections 4 and 5	1	T1, T4, T5, T6
T7		Write up SRD Sections 1-3, 6-9	22	T1
M2		Compile SRD	2	M1, T7
T8	Development	Set up Project Environments	1	T1
T9	Development	Create React Mock-up	23	T8
M3		SRD Presentation	3	M2, T9

Scheduled tasks up to the first deliverable.

UML Use Case Diagram



SOS16 Create Organization *Functional Requirements*

- Preconditions - user is logged in.
- Description:
 1. User clicks on “Organization Tab.”
 2. The webpage switches to Organization page.
 3. User click on “Create Organization.”
 4. User then fills out form asking for the Organization details.
 5. User submits form to the Organization page.
- Postconditions – user becomes Club Organizer for the Organization.

SOS16 Create Organization *Nonfunctional Requirements*

- Usability:
 - 2 minutes to complete the request.
- Reliability:
 - Mean time to failure – 5% monthly.
- Performance:
 - 200 requests per min and process each in 6 sec.
- Criticality:
 - High. Main purpose of the system.
- Frequency:
 - 20 organization requests monthly.

SOS07

Edit Profile

Functional Requirements

1. Preconditions:
 1. User is logged in.
2. Description:
 1. User clicks “Edit Profile.”
 2. User is shown an editable form.
 3. User inputs the data and submits the request.
 4. The webpage request the user’s password.
 5. System authenticates their request.
3. Postconditions:
 1. User data has been updated on the data storage.

SOS07


Edit Profile

Nonfunctional Requirements

- Usability
 - 20 sec to find and complete use case.
- Reliability
 - Mean Time to Failure – 5% monthly.
- Performance
 - 20 checks per min and process each ~2 sec.
- Criticality
 - Low. Secondary feature of the system.
- Frequency:
 - 20 profile edits per week.

User Interface Design for SOS16

New Organization Form



Organization Details

Please input the following information about your organization:

Name:


Description:

Requiements for Joining:

Privacy Settings:

☐ Make my Organization Private.

New Organization Form for SOS16 Scenario

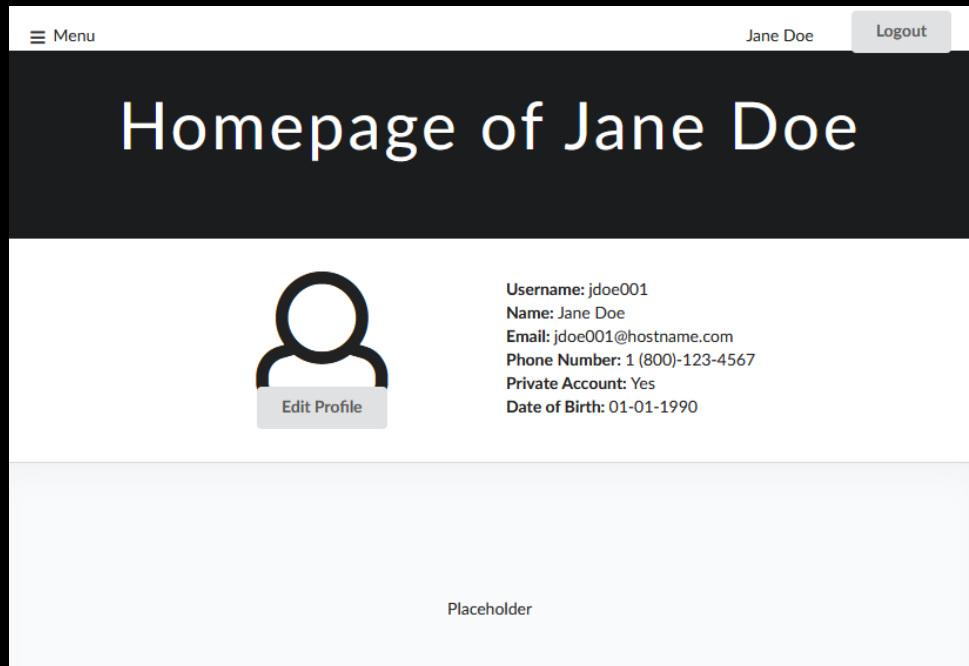


The Doe Crew

A bunch of people excited for fishing.

Resulting Organization


User Interface Design for SOS7



The image shows a user profile homepage. At the top, there is a navigation bar with a 'Menu' icon on the left, the user's name 'Jane Doe' in the center, and a 'Logout' button on the right. Below the navigation bar is a large dark header with the text 'Homepage of Jane Doe'. Underneath this header, on the left, is a circular profile picture placeholder with an 'Edit Profile' button below it. To the right of the profile picture, the user's details are listed: Username: jdoe001, Name: Jane Doe, Email: jdoe001@hostname.com, Phone Number: 1 (800)-123-4567, Private Account: Yes, and Date of Birth: 01-01-1990. At the bottom of the page, there is a large light gray area labeled 'Placeholder'.

Menu Jane Doe Logout

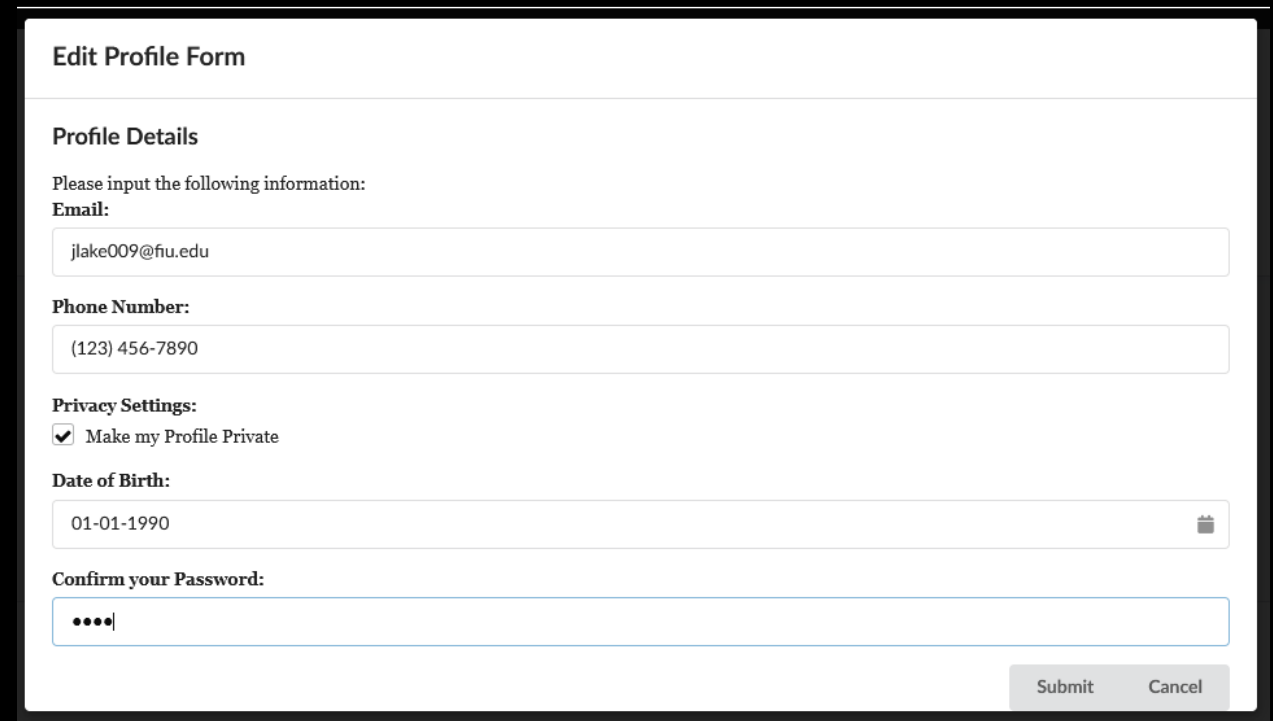
Homepage of Jane Doe

 Edit Profile

Username: jdoe001
Name: Jane Doe
Email: jdoe001@hostname.com
Phone Number: 1 (800)-123-4567
Private Account: Yes
Date of Birth: 01-01-1990

Placeholder

Homepage for User Jane Doe



The image shows an 'Edit Profile Form'. The title 'Edit Profile Form' is at the top. Below the title, the section 'Profile Details' is followed by the instruction 'Please input the following information:'. The form contains several input fields: 'Email:' with the value 'jlake009@fnu.edu', 'Phone Number:' with the value '(123) 456-7890', 'Privacy Settings:' with a checked checkbox for 'Make my Profile Private', 'Date of Birth:' with the value '01-01-1990' and a calendar icon, and 'Confirm your Password:' with a masked password field. At the bottom right, there are 'Submit' and 'Cancel' buttons.

Edit Profile Form

Profile Details

Please input the following information:

Email:

jlake009@fnu.edu

Phone Number:

(123) 456-7890

Privacy Settings:

☒ Make my Profile Private

Date of Birth:

01-01-1990

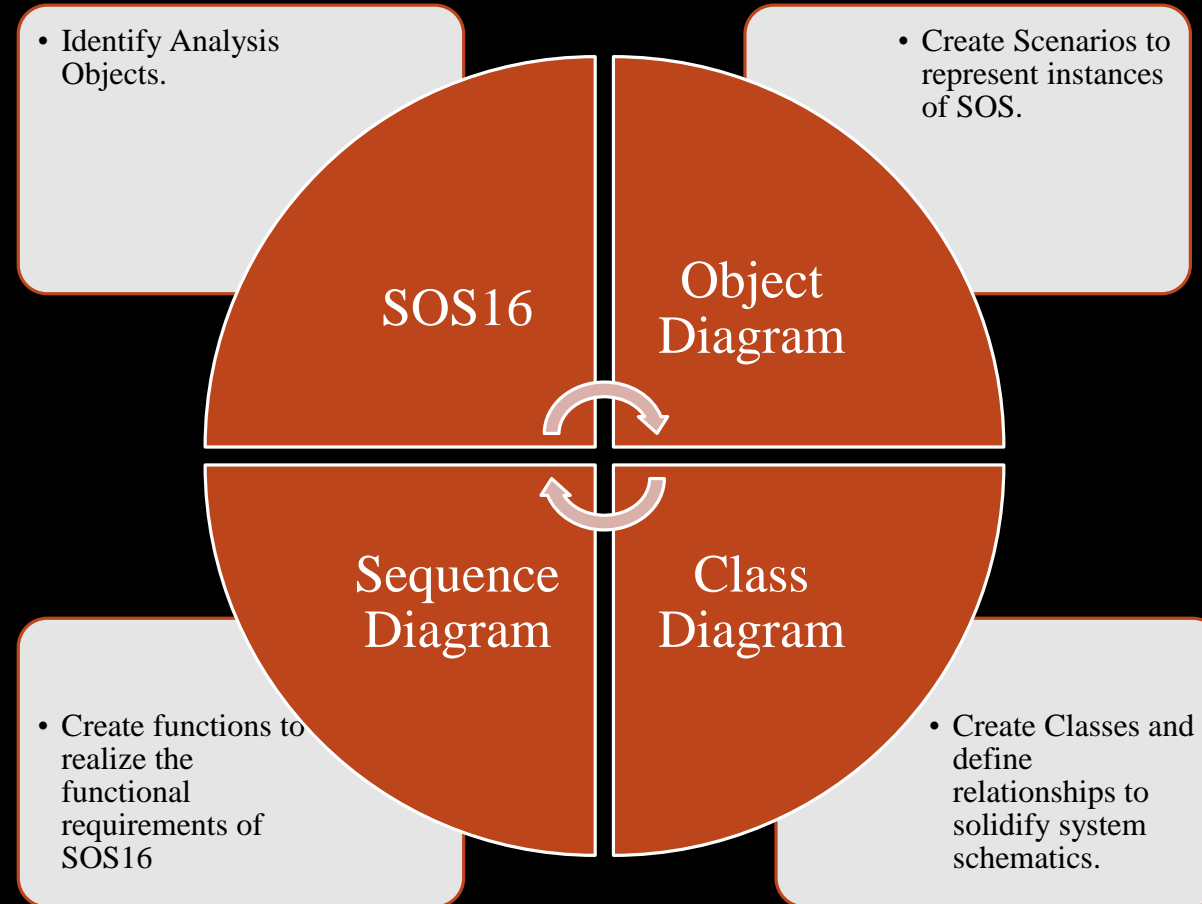
Confirm your Password:

.....

Submit Cancel

Edit Profile Form

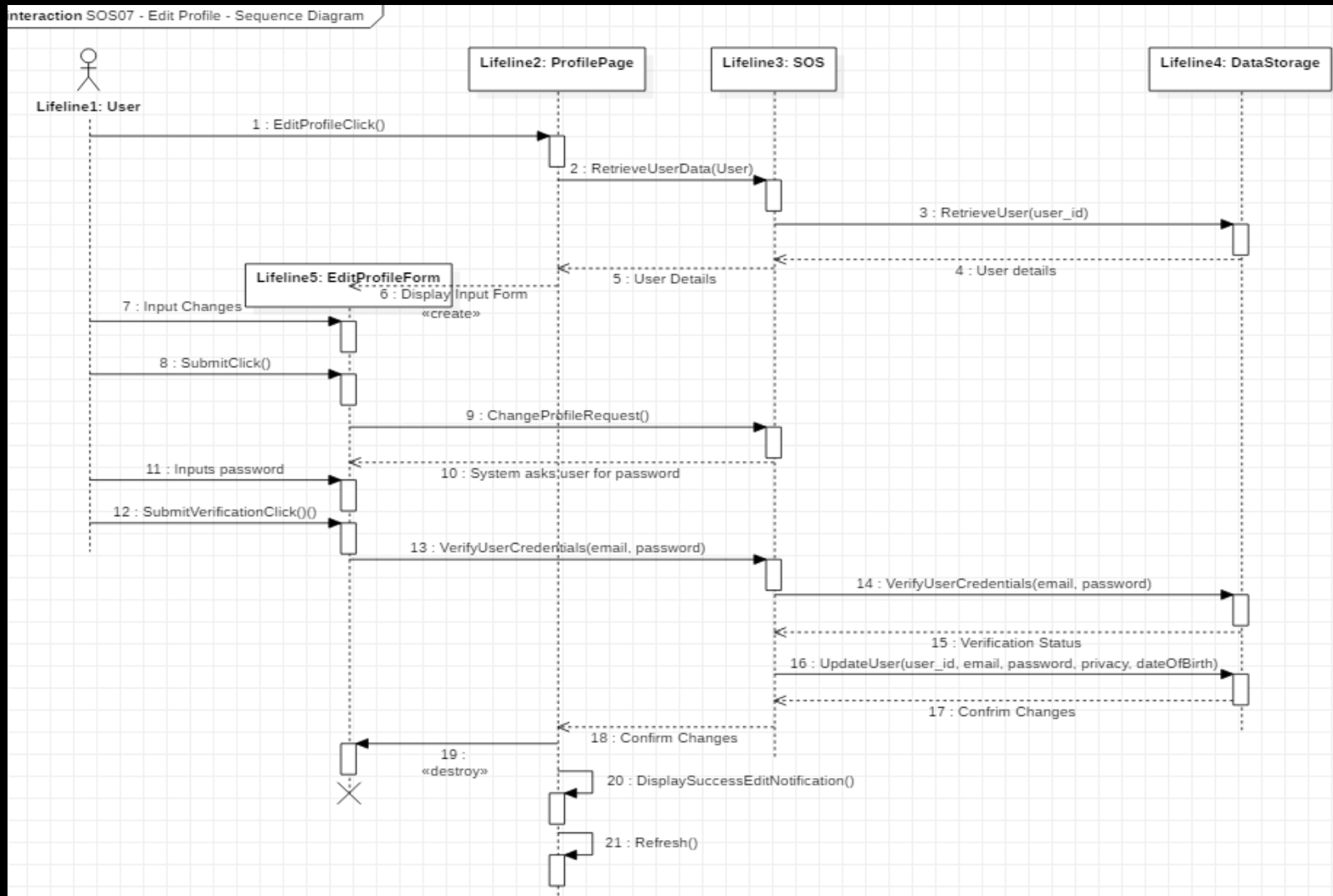
Requirement Analysis SOS16



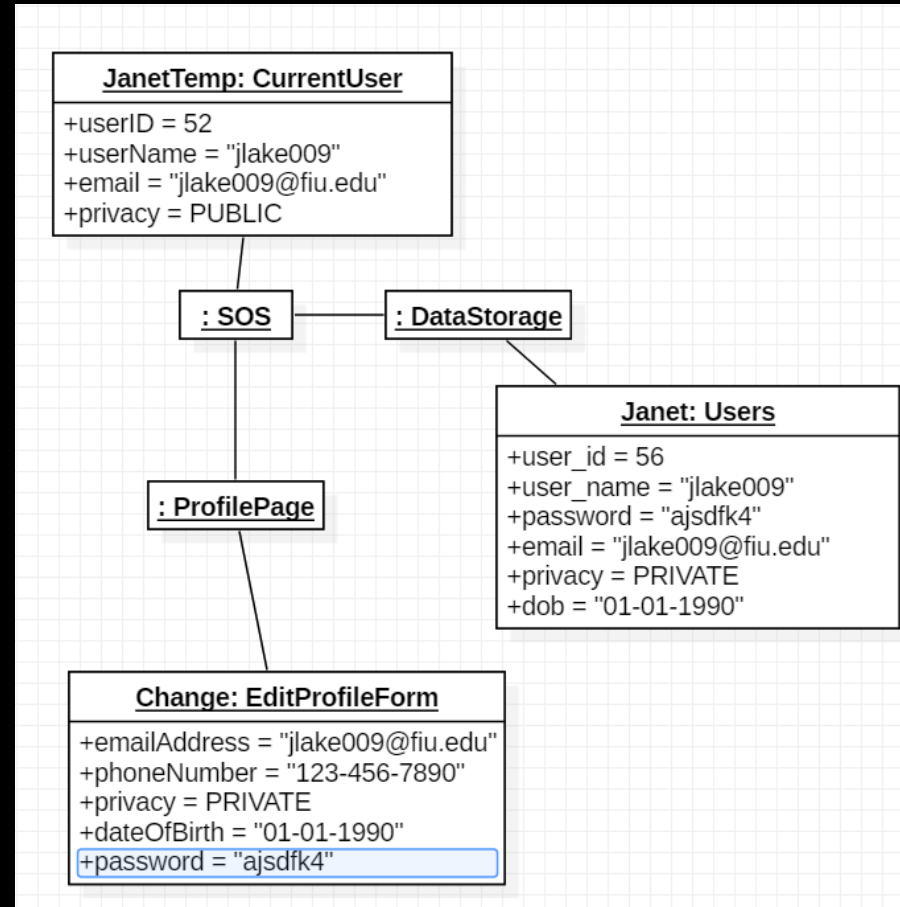
Requirement Analysis SOS07



Sequence Diagram for SOS7



Object Diagram SOS16



Class Diagram for SOS

