

Kingdom Of Saudi Arabia
Ministry of education
Umm Al-Qura University
Department of Computer Science



تَعَانِي



Software Engineering
Project Report

Supervised by
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Chapter 1

Introduction

Teqanah is the ultimate online hub for computer specialists from diverse fields. Our site brings professionals together, facilitating knowledge sharing and collaboration within the computer community. Our goal is to streamline communication and cooperation, unlocking unprecedented opportunities for growth and advancement in their respective fields. With innovative features and a user-friendly interface, Teqanah provides a seamless platform for professionals to connect, exchange ideas, and propel their careers.

Chapter 1

1.1 Abstract paragraph

Teqanah is a site that brings together people who specialize in computers in various fields. The site aims to facilitate the process of communication and cooperation between them. It serves as a hub for knowledge sharing within the computer community. Through our innovative features, we facilitate seamless cooperation, enabling our esteemed users to unlock unprecedented opportunities for growth and advancement in their respective fields.

Chapter 1

1.2 Problem definition

In the computer field, students face many challenges in communicating and collaborating effectively with their peers across different fields, in addition to the lack of a specific platform that helps them meet their needs, such as exchanging experiences and knowing the latest developments, courses, and camps . Students often find themselves relying on multiple communication channels such as email, messaging apps, and social media platforms to communicate with their peers. This fragmentation leads to scattered conversations, difficulty keeping track of discussions, and challenges in maintaining a central repository of information. Furthermore, students struggle to find a site that specifically meets their unique needs such as the need to know who provides Collaborative training for students.

Chapter 1

1.3 Solutions

As a solution to address these issues, we have created a platform specifically designed for those interested in the field of computer science to communicate, collaborate, and share information. There is a space for discussion, asking questions, and searching for partners for projects by filtering participants as appropriate. The user can also communicate with dedicated members by forming a group in private messages to discuss the rest of the details.

Chapter 1

1.4 Aims and objectives

The goal is to facilitate effective communication and collaboration between computer science professionals by providing a platform that meets their specific needs.

Objectives:

1-Develop a dedicated online platform: We created an easy-to-use and intuitive online platform that serves as a central hub for computer science professionals to communicate, collaborate and exchange information.

2-Enhancing communication channels: Integrating different communication channels, such as instant messaging, video conferencing, and discussion forums, to enable specialists to communicate and exchange ideas efficiently.

3-Central Information Repository: We have created a central repository within the platform to store and organize important resources, including the latest developments, courses, camps, and collaborative training opportunities relevant to computer science professionals.

4-Q&A and Expert Guidance: Implemented a feature that allows students to ask questions to a community of experts and receive answers in a timely manner. In addition, facilitating mentorship opportunities where experienced people can guide and support those seeking to enhance their skills and knowledge.

Chapter 2

2.1 Services

- 1-Create an account (log in, sign up)
- 2-Technicalevents calendar(hackathon)
- 3-Discussion spaces
- 4-Direct Messages
- 5-Filter based on (age, points, major)
- 6-Service providers
- 7-Play a game

Chapter 2

2.2 Requirement specification

2.2.1 Functional requirements:

User requirements:

1-The user should create new account by filing the required information.

System requirements:

there will be two types of users (personal,companies)

Personal:

1.1 users should enter the following information (full name, username, Email address(for log in process), password, date of birth, gender, qualification)

1.2 users shall be able to choose their field from the list(UI\UX, data science, AI, cyber security ,web development, application development, Game development) (with ability of writing the field if it is not on the list and choosing more than one choice).

1.3 the password should be 8 characters long and contain letters , digits and at least 1 special character

1.4 the username should be unique between 4-12 characters long and contain letters , digits

1.5 The system should verify the user's email address if valid or not

1.6 When the mandatory information is not filled in, the account will not be created and users will have to complete the missing information.

Chapter 2

2.2 Requirement specification

2.2.1 Functional requirements:

System requirements:

Companies:

- 1.1 users should enter the following information (company's name, email address, password, company's social media accounts)
- 1.2 the password should be 8 characters long and contain letters, digits and at least 1 special character.
- 1.3 The system should verify the user's email address if valid or not.
- 1.4 When the mandatory information is not filled in, the account will not be created and users will have to complete the missing information.

Chapter 2

2.2 Requirement specification

2.2.1 Functional requirements:

User requirements:

2-User can log in and log out

System requirements:

2.1:users should enter the following information:(email address, password,the user name for the regular users)

2.2:user will be able to log in only if he/she has already created an account.

2.3:The system will allow the user to log out from his/her account.

2.4:If the user remained inactive for a long time the system will automatically logout from the account.

Chapter 2

2.2 Requirement specification

--View Technical Events--

User requirement:

3-The user with company account can Add technical events

System requirements:

3.1:the companies can add events to the calendar with specific information (event's name, event's type, event's date, event's place, event's registration link)

3.2:the system should provide an extra field for images and other information

3.3:the system should contain separate page for the events

3.4:the home page of the site should contain a calendar icon for the events

3.5:the user with company account can Add the event's calendar by clicking on the calendar icon

Chapter 2

2.2 Requirement specification

--Add Technical Events--

User requirement:

4-The user with personal account can view technical events

System requirements:

4.1:the personal users can view all technical events in the calendar

4.2: If the user chooses an event the system will display specific information (event's name, event's type, event's date in, event's place, event's registration link) Also the Image and other information if they Added

4.3:the system should contain separate page for the events

4.4:the home page of the site should contain a calendar icon for the events

4.5:the user with personal account can check the event's calendar by clicking on the calendar icon

Chapter 2

2.2 Requirement specification

2.2.1 Functional requirements:

--Discussion spaces--

User requirement:

5-User can create space to discuss about a specific topics.

System requirements:

5.1:user can create a space by clicking the space icon.

5.2:user should enter the space's name.

5.3:the user can select the speakers of the space.

5.4:users can enter the spaces by clicking on the services icon then click on the spaces icon.

5.5:user can ask the space host to have permission to talk.

Chapter 2

2.2 Requirement specification

2.2.1 Functional requirements:

--Direct Messages--

User requirement:

6- the user can chat with other members.

System requirements:

6.1: users shall be able to search for the users by their names to have a private chat by clicking on the message icon.

6.2: users shall be able to create a group by clicking on the plus icon and select the members that they want to add.

6.3: users shall be able to send media (audio, picture, video).

6.4: users shall be able to see messages time appears.

6.5: users shall be able to receive notifications for new messages by clicking on the bell icon on the home page .

Chapter 2

2.2 Requirement specification

2.2.1 Functional requirements:

--Filter and Search--

User requirement:

7- User can search for others and filter them.

System requirements:

7.1: users shall be able to filter the users by points, major, gender and age (a function should be implemented to calculate their age from their DOB)

7.2: users shall be able to search for a specific user by their username.

7.3: users shall be able to search for a specific word to check if there is something about their topic.

Chapter 2

2.2 Requirement specification

2.2.1 Functional requirements:

--Play a game--

User requirement:

8-User can play a game to gain points and practice the programming languages

System requirements:

8.1: users shall be able to play a game by clicking on the play icon on the home page

8.2: users shall be able to select a programming language from a list

8.3: users shall be able to determine the initial level through a simple quiz

8.4: users shall be able to select the type of the game (matching, true or false, check the errors, guess the output, write the missing word, All of the above)

8.5: Collect the points when he wins

Chapter 2

2.2 Requirement specification

2.2.1 Non-Functional requirements:

1- Usability:

Create an intuitive and user-friendly interface, allowing users to easily navigate the website, find information, and perform actions without confusion.

2- Concurrent User Handling:

Ensure the website can handle multiple users simultaneously and prevent conflicts or data inconsistencies.

3-Privacy:

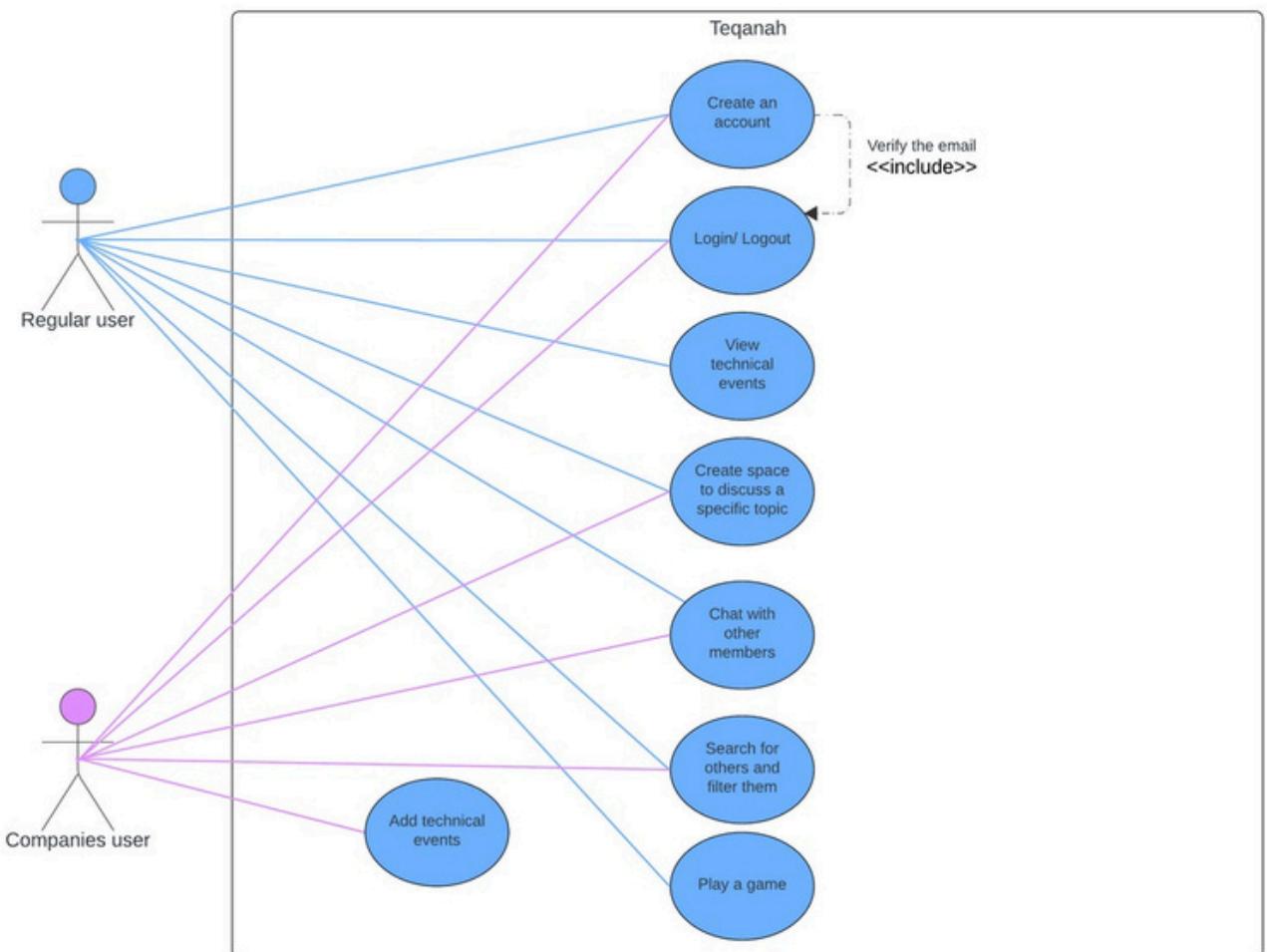
Comply with privacy regulations and protect user data, clearly communicate the website's privacy policy, and provide options for users to manage their privacy settings.

4- Data Integrity:

Implement mechanisms to ensure data integrity, preventing data corruption or loss.

Chapter 3

3.1 Use Case Diagram



Chapter 3

3.2 Scenarios

TEQANAH-Create Account	
Actor	Regular user
Description	This use case allows a regular user to create an account by providing all the required information, including full name, username, email address, password, date of birth, gender, qualifications, and a brief self-definition. The account will only be created if all the required information is provided. The entered password should be at least 8 characters long.
Data	User personal information (full name, username, email address, password, date of birth, gender, qualifications, brief self-definition).
Stimulus	User submits the account creation form
Response	- Successful response: Confirmation that the account has been created - Unsuccessful response: Account creation failed due to missing information or invalid password
Comments	- The system should validate the email address to ensure proper email format and verify its existence. - Consider implementing security measures, such as password strength requirements and email verification, to enhance account security. - Privacy concerns should be addressed when collecting and storing user personal information.

TEQANAH-Create Account	
Actor	Company user
Description	This use case allows a company user to create an account by providing all the required information, including company name, email address, password and company social media accounts. The account will only be created if all the required information is provided. The entered password should be at least 8 characters long.
Data	Company information (company name, email address, password, social media accounts).
Stimulus	User submits the account creation form.
Response	- Successful response: Confirmation that the account has been created - Unsuccessful response: Account creation failed due to missing information or invalid password
Comments	- The system should validate the email address to ensure proper email format and verify its existence. - Consider implementing security measures, such as password strength requirements and email verification, to enhance account security. - Privacy concerns should be addressed when collecting and storing company information.

Chapter 3

3.2 Scenarios

TEQANAH: Login	
Actor	Regular and Company users.
Description	The system will allow the users to login to their accounts by providing the required information(email address and password).The users will be able to log in only if they already created an account. The entered password should be at least 8 characters long.
Data	Users personal information (email address and password).
Stimulus	User login by entering his/her information and pressing the 'Submit' button.
Response	Successful response: Confirmation that the users can login to their accounts. Unsuccessful response: Account login failed due to missing information or invalid password.
Comments	The system should validate the email address to ensure proper email format and verify its existence. Consider implementing security measures, such as password strength requirements and email verification, to enhance account security. Privacy concerns should be addressed when collecting and storing users personal information.

TEQANAH: Logout	
Actor	Regular and Company users.
Description	The system will allow the users to logout from their accounts.
Data	User personal information (email address and password).
Stimulus	User logout by pressing the 'logout' button.
Response	Confirmation that the users can logout from there accounts.
Comments	If the users remained inactive for a long time the system will automatically logout from the account.

Chapter 3

3.2 Scenarios

TEQANAH:Add technical events	
Actor	Companies .
Description	Companies users can add any technical event of all types, such as hackathons, training courses, etc
Data	1-event's name 2-the type of the event 3-the date of the event in A.D 4-the place of the event 5-the registration link They have the option to add a photo or additional information
Stimulus	adding Event request issued by user
Response	Adding the technical event .
Comments	-The system must ensure that it is a real and secure company before adding the event. - The company cannot add the same event more than once

TEQANAH:View technical	
Actor	Technicians.
Description	Users can view all technical events and choose one to see its information.
Data	User information
Stimulus	Callender view request issued by user
Response	Technical events Calendar 1-event's name 2-the type of the event 3-the date of the event in A.D 4-the place of the event 5-the registration link Also they can see image or more information if the company added it.
Comments	-The user cannot register from our website. The registration link will take the user to the website of the company that allows registration - Showing events depends on the user's interests

Chapter 3

3.2 Scenarios

TEQANAH:create discussion space	
Actor	Regular user, Company user
Description	The regular users and company users can create a space to discuss any topic and choose name of the space.
Data	The space name
Stimulus	Space creation request issued by the user
Response	Accepting the request by creating the space
Comments	The guests of the space can ask the host to speak in the space.

TEQANAH: Search and Filter	
Actor	User
Description	<ol style="list-style-type: none">1.The user enters the search bar and clicks the icon to search for Users.2.The user may type the @ID of another user, or any word to check if there's any space about it.3.The search results will display on the screen:<ul style="list-style-type: none">- If the user types the ID, and the ID isn't correct, then (No User has this ID), otherwise the user with the same ID will appear.- if the user selects any filter without typing an ID, a group of users with matches will appear.- if the user types any word, any space has the word in its name will appear, otherwise the message (try another word) will appear.4.The user uses the filter feature to put more specifications on the result that he/she wishes for.5.The user filters the search to (age, points, major, and gender).6.If the user chooses a specific age (for example) in the filter feature, then only users with the same age will appear as a result.
Data	User's information (age, points, major, and gender).
Stimulus	search for others users or spaces request issued by user
Response	<ol style="list-style-type: none">1.View users with the same/similar ID.2.Message (No User has this ID) if not found.3.View users with the same filters.4.Spaces have the word in their names.5.Message (Try another word) if not found any match with the specific word. <p>Users should have an options to filter the users or not</p>
Comments	

Chapter 3

3.2 Scenarios

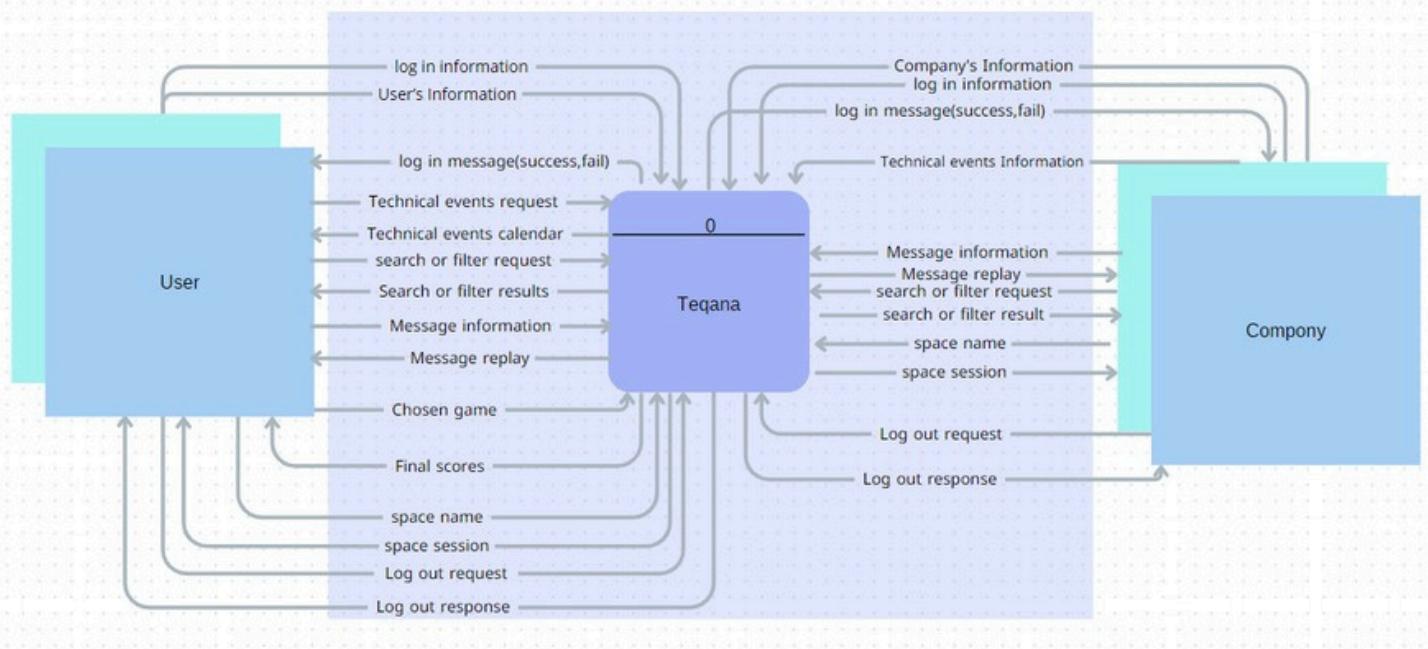
TEQANAH: Direct Message	
Actor	Users.
Description	The system will allow the user to search for other users, have private chats, create groups, send media, view message timestamps, and receive notifications for new messages.
Data	<ul style="list-style-type: none">• User's profile information (name, username, etc.).• Search for other users.• Message content (text, media files).• Message timestamps.• Notification status (read/unread).
Stimulus	<ul style="list-style-type: none">• User initiates a private chat by requesting to start a conversation with another user.• User sends a message or media to another user.• User views message timestamps to check the time of sent or received messages.• User expects to receive notifications for new messages from other users. <p>System displays search results for the entered user name.</p>
Response	<ul style="list-style-type: none">• System opens a private chat window with the selected user.• System sends and receives messages and media.• System displays message timestamps.• System sends notifications for new messages.•
Comments	Users should have options to manage their messaging settings, such as controlling notifications, blocking/reporting users, and deleting messages

TEQANAH: Game	
Actor	User
Description	The user can play one game from the list to gain points and practice the programming languages
Data	User's information (score).
Stimulus	Collects points issued by user
Response	Successful response: Confirmation that the user have the option to proceed to the next stage
Comments	The user can choose the type of game and determine its level through a quiz

Chapter 3

3.3 DFD

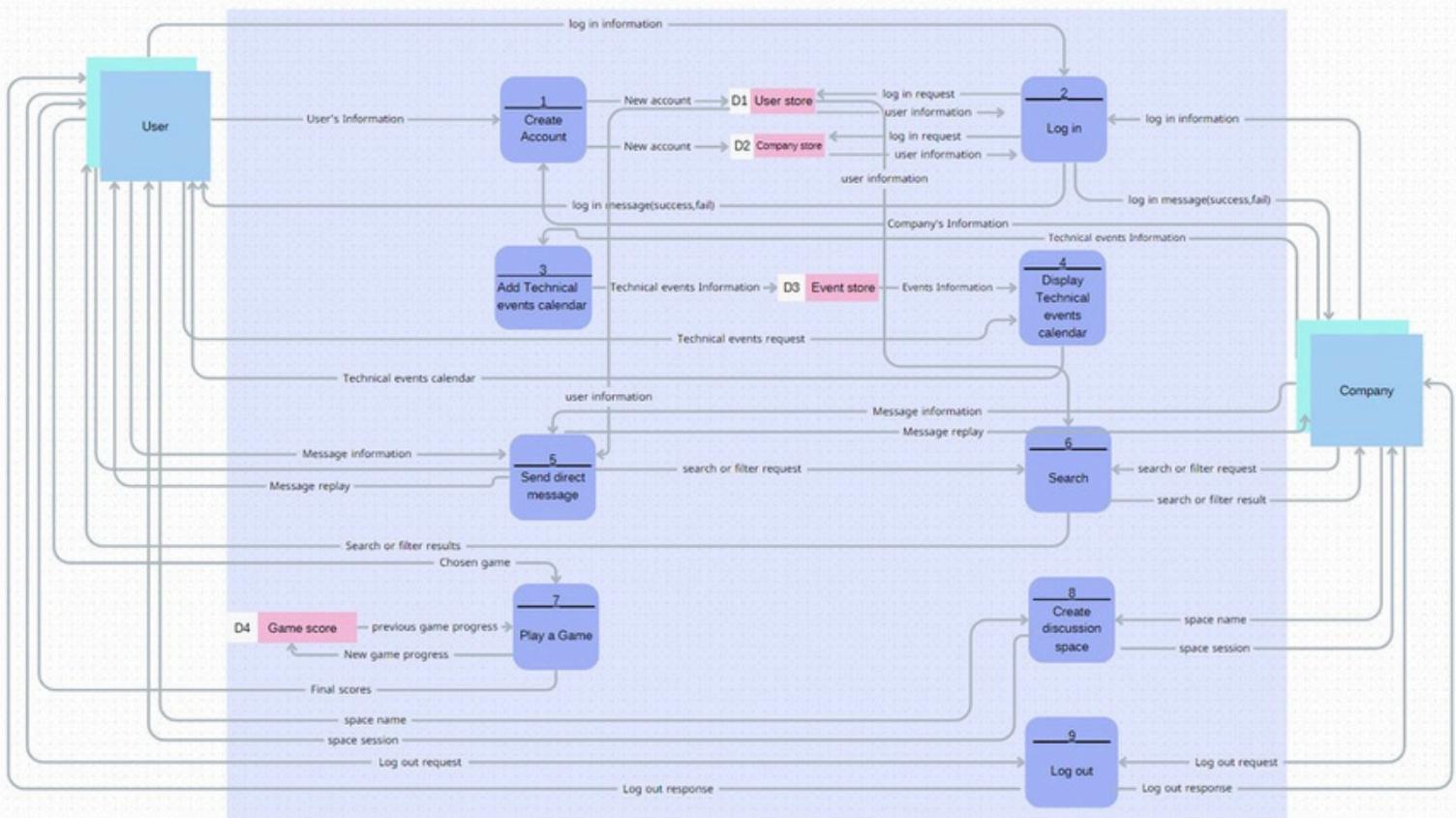
Context Diagram level 0



Chapter 3

3.3 DFD

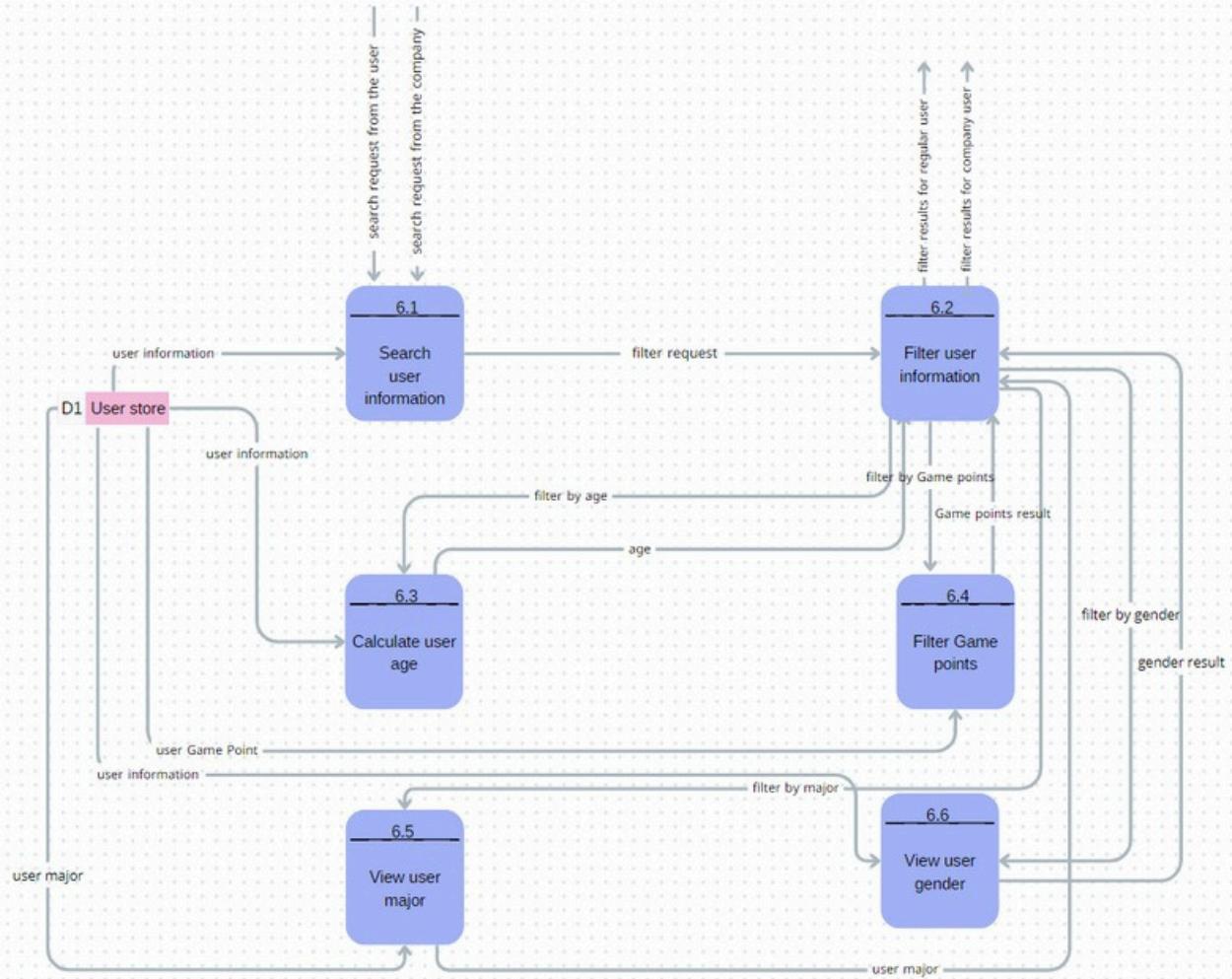
DFD level 1 Diagram



Chapter 3

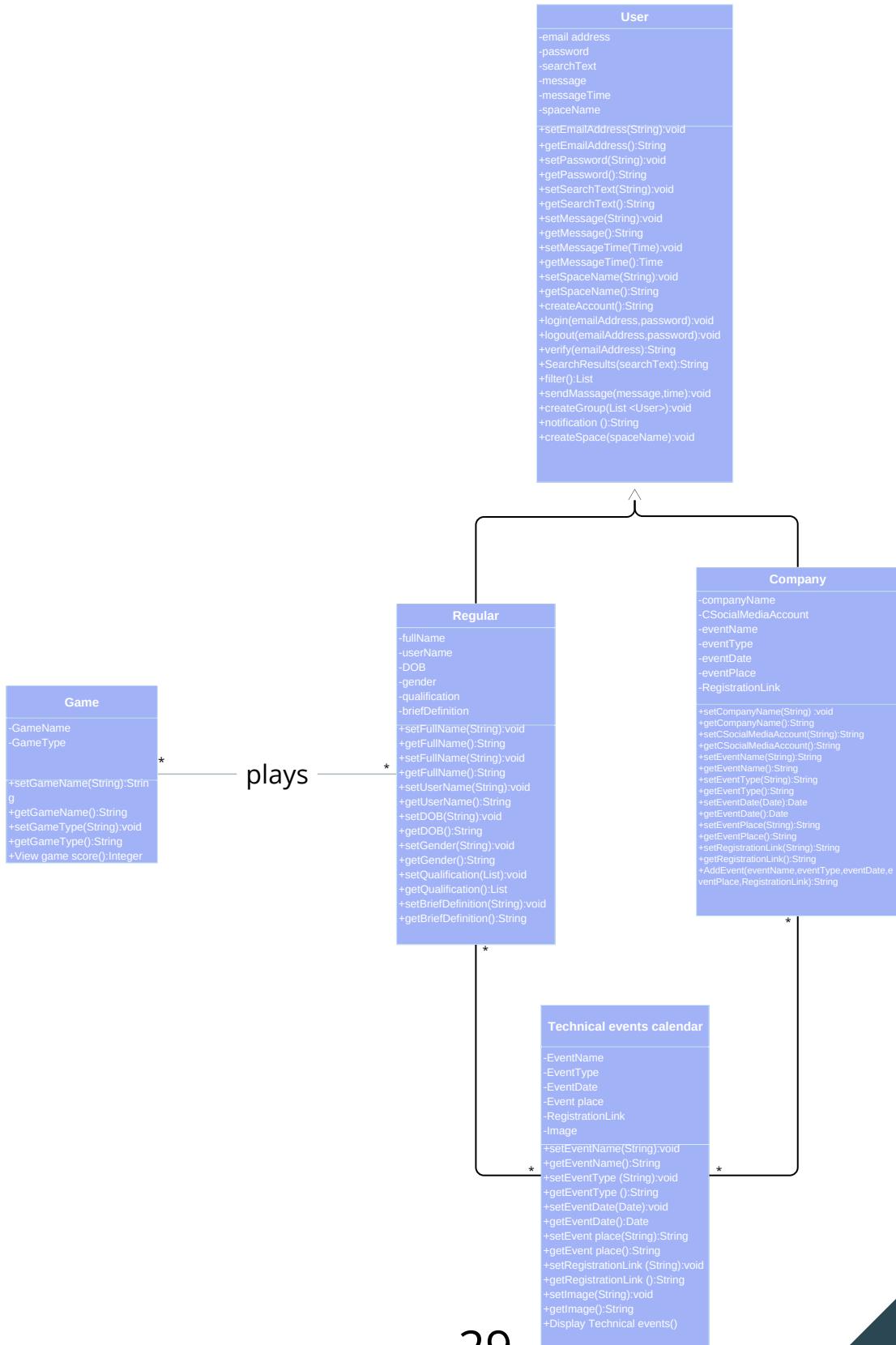
3.3 DFD

Child Diagram



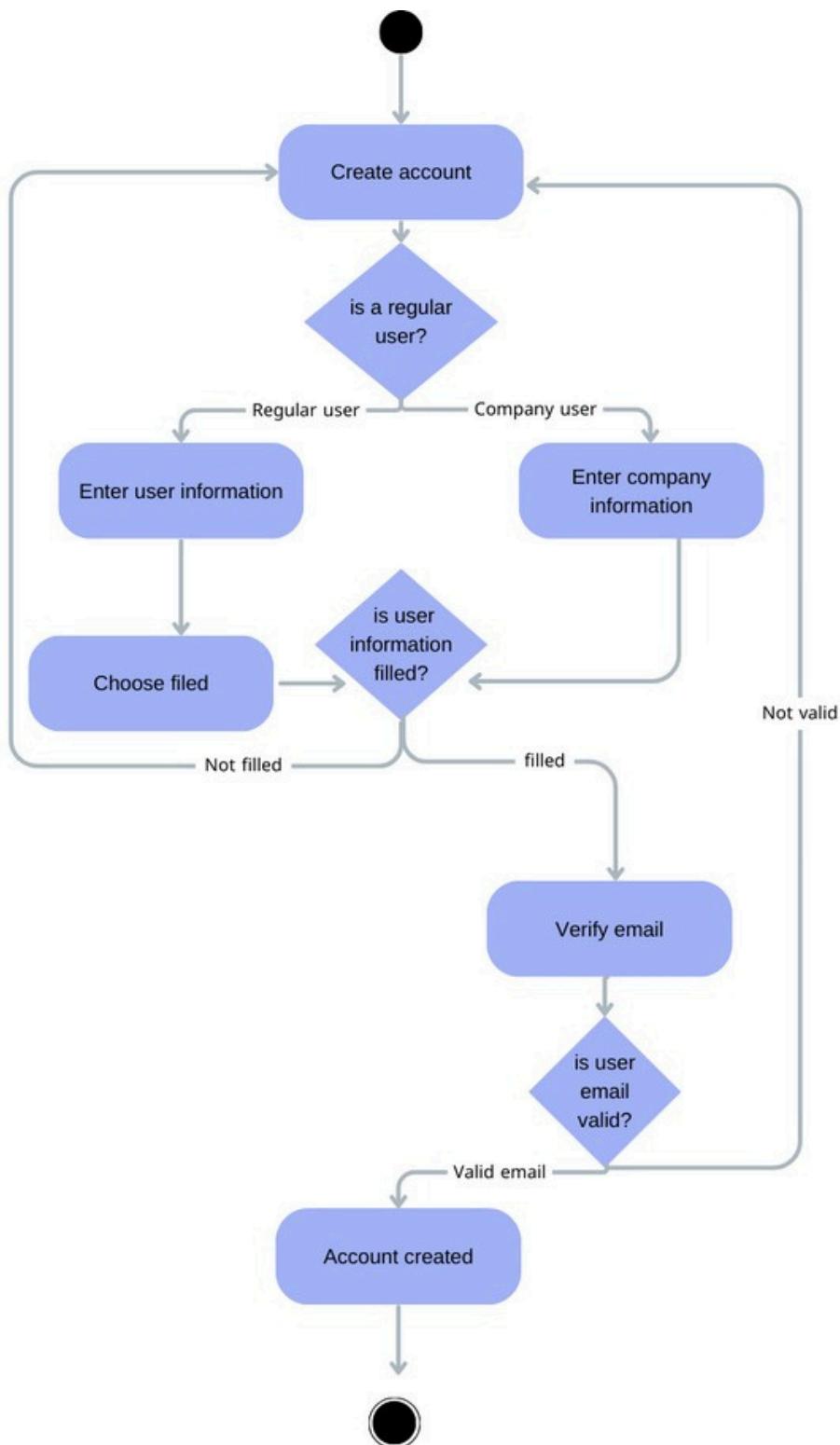
Chapter 3

3.4 Class Diagram



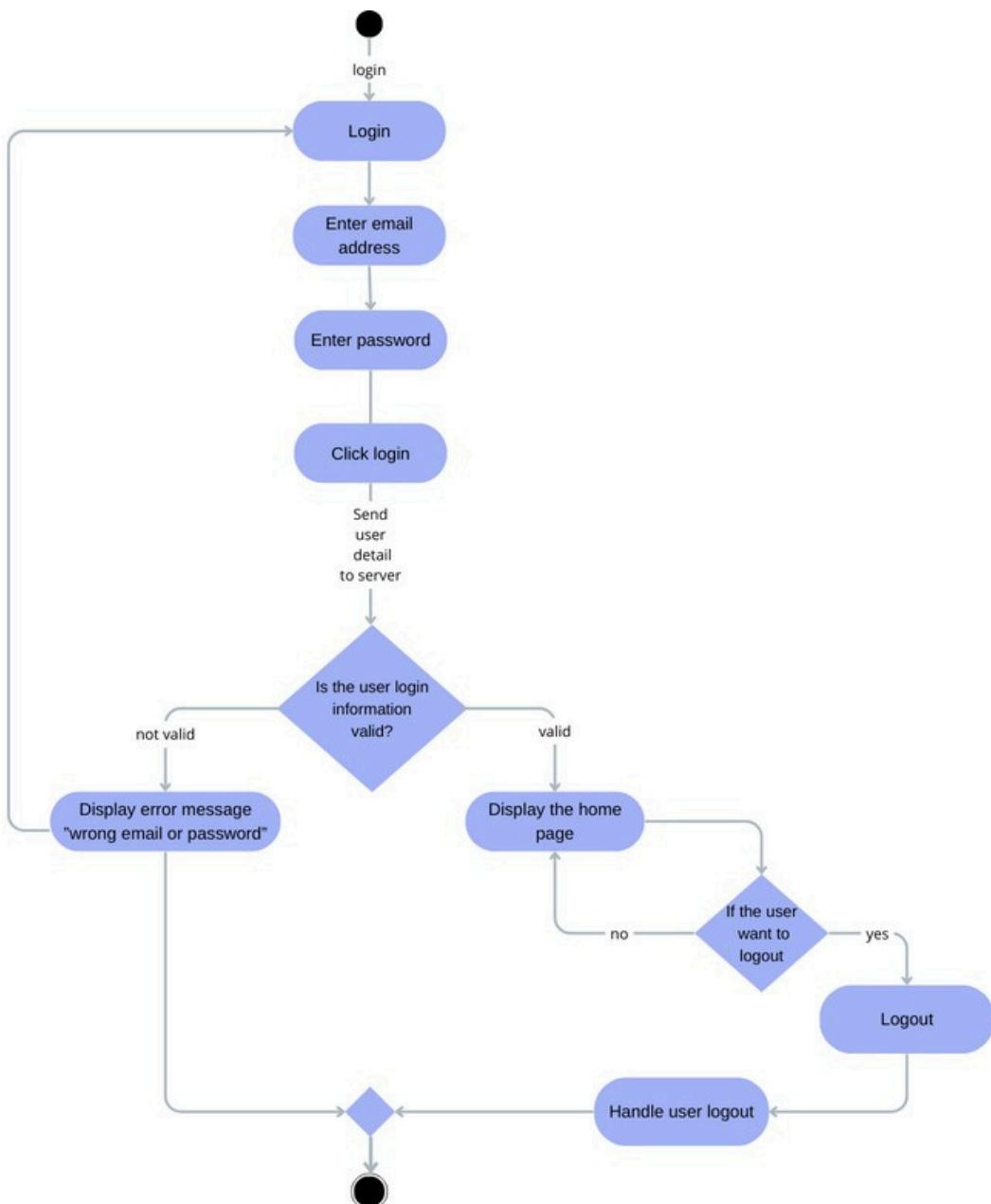
Chapter 3

3.5 Activity Diagram



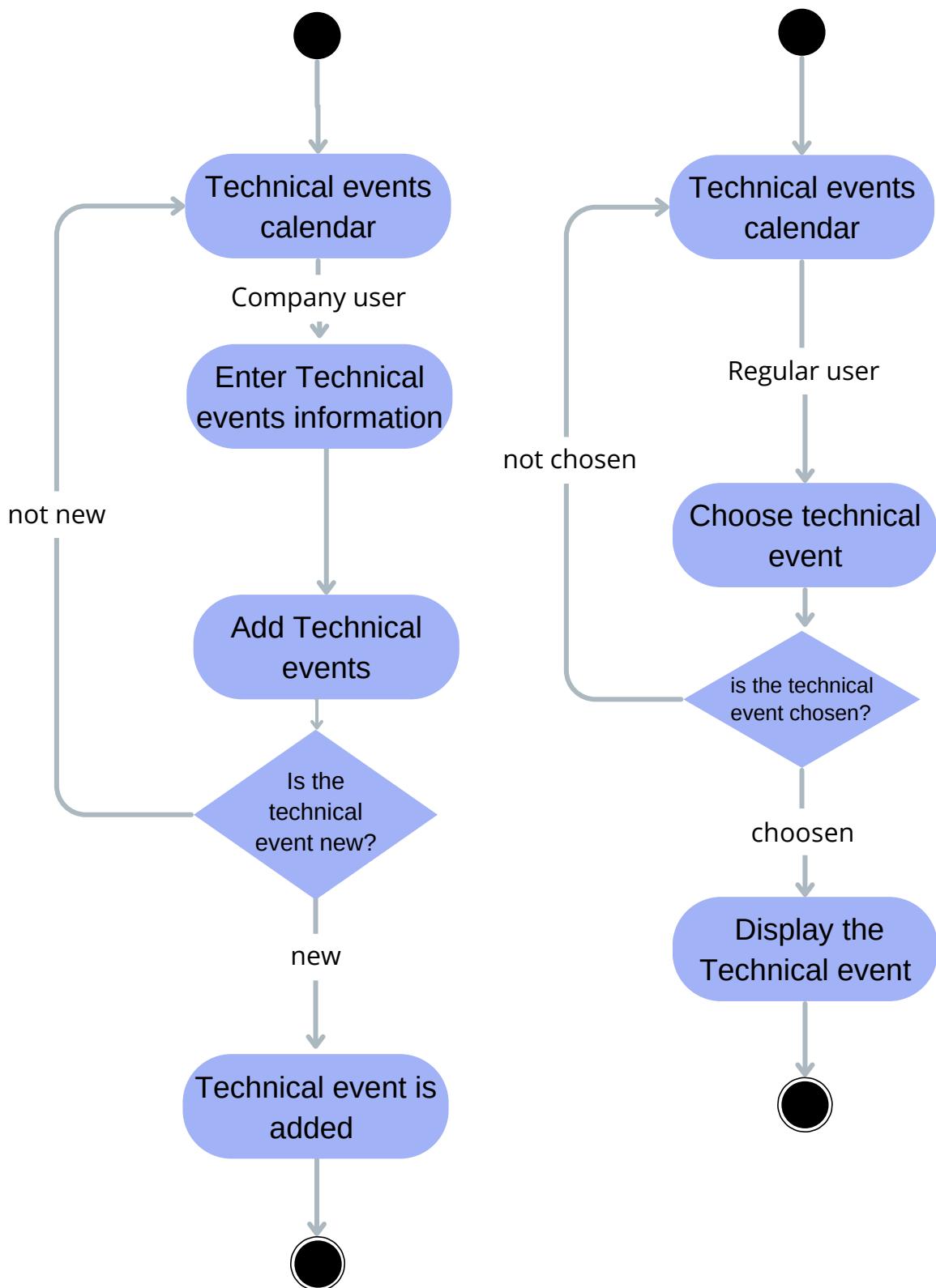
Chapter 3

3.5 Activity Diagram



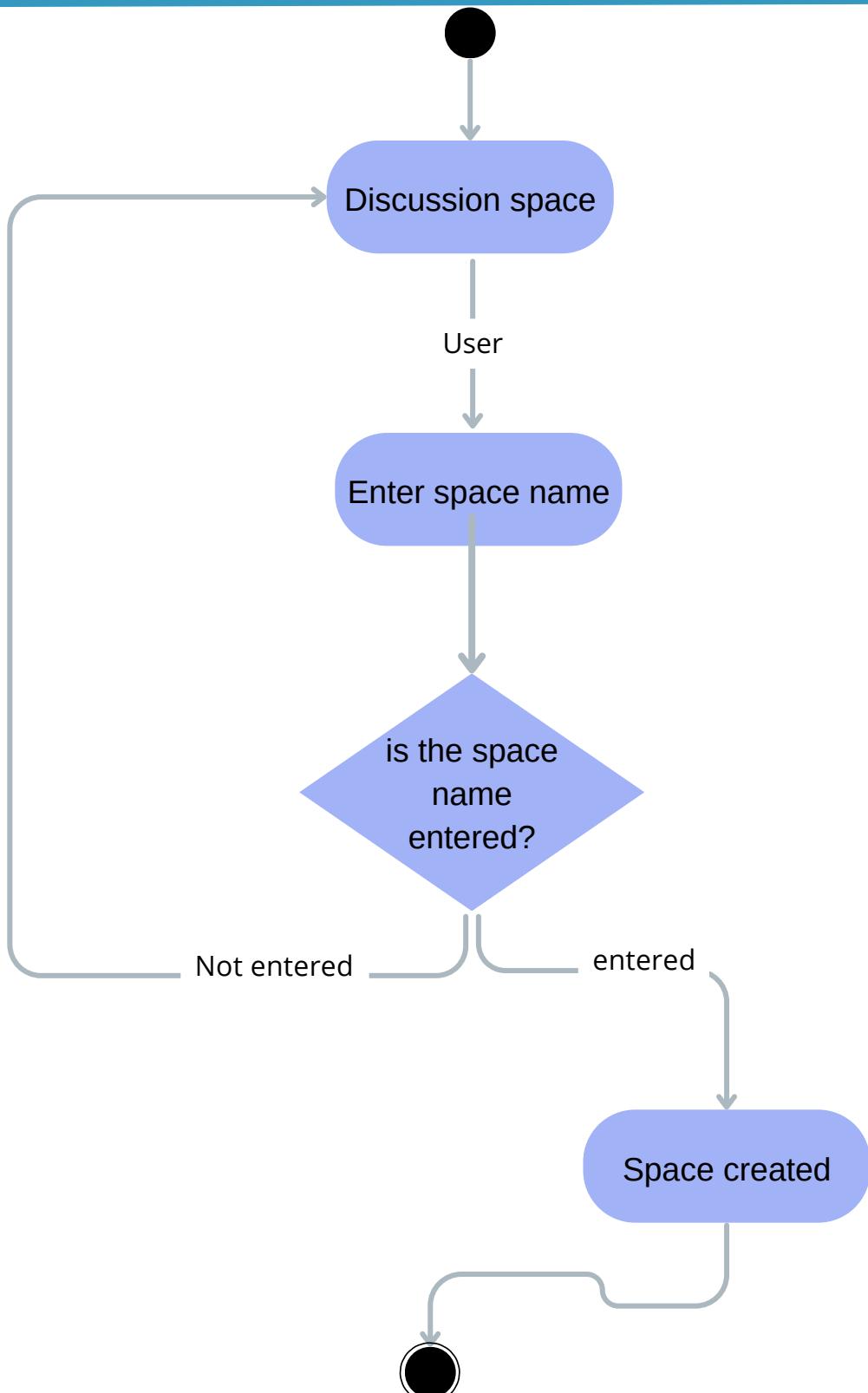
Chapter 3

3.5 Activity Diagram



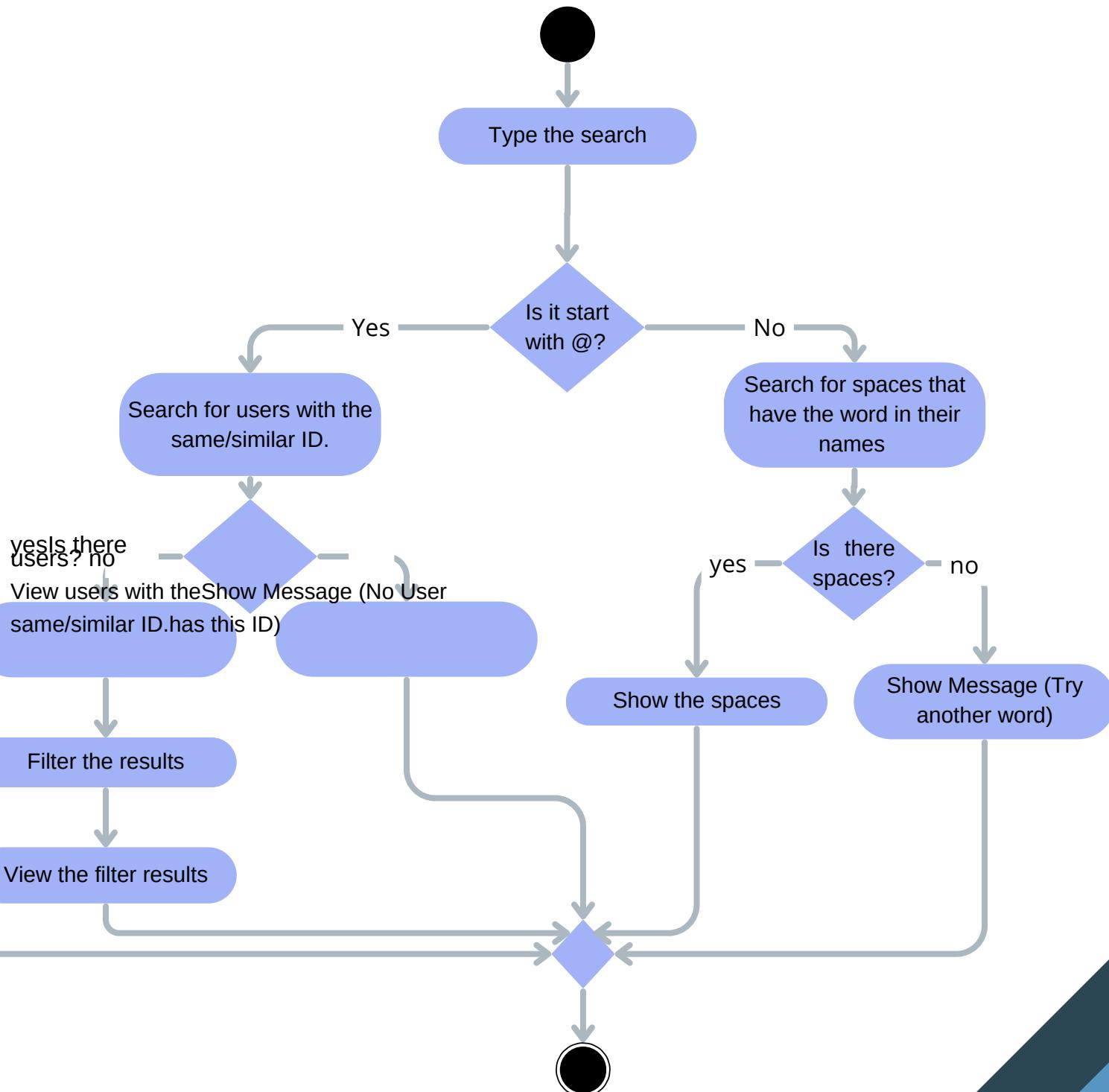
Chapter 3

3.5 Activity Diagram



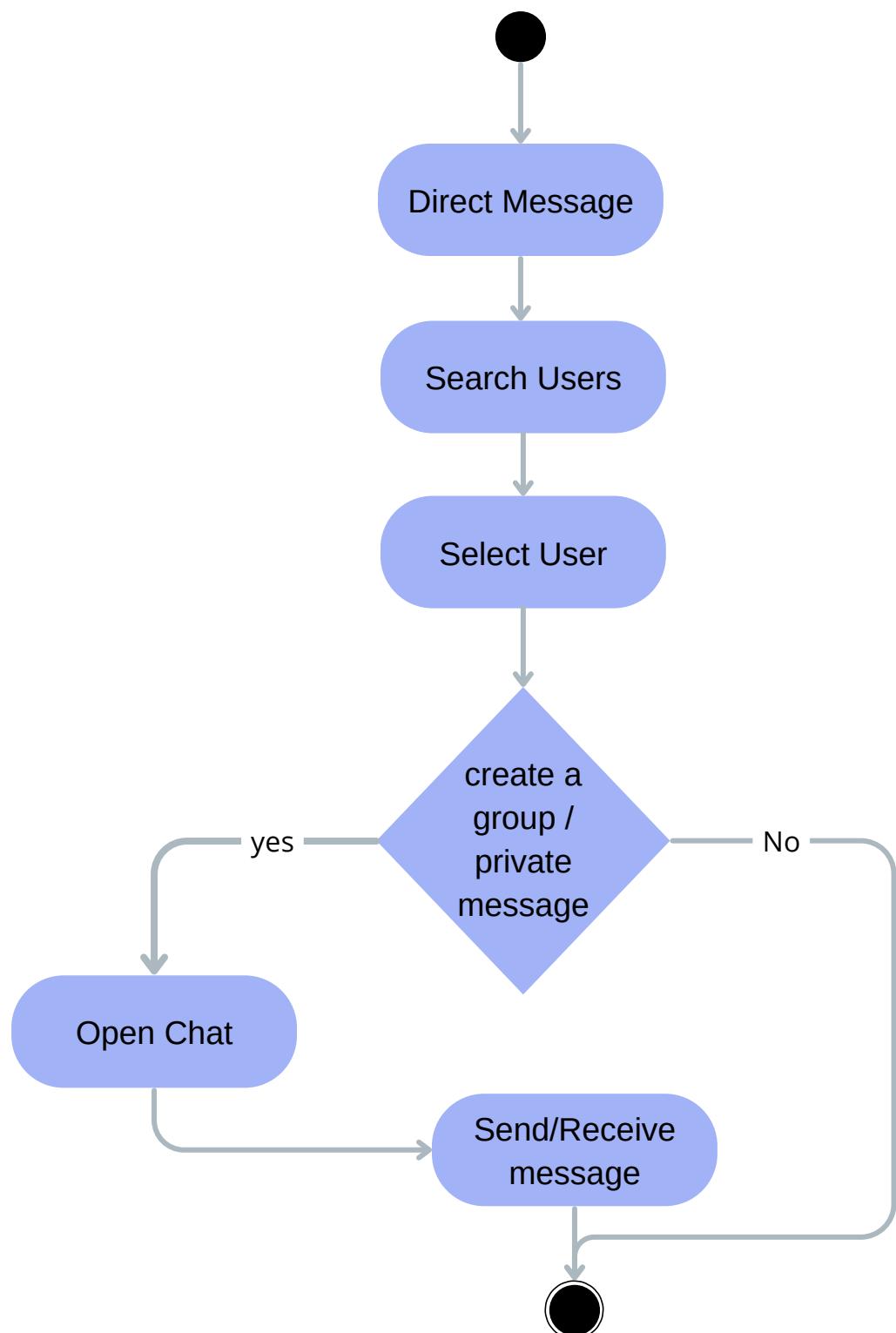
Chapter 3

3.5 Activity Diagram



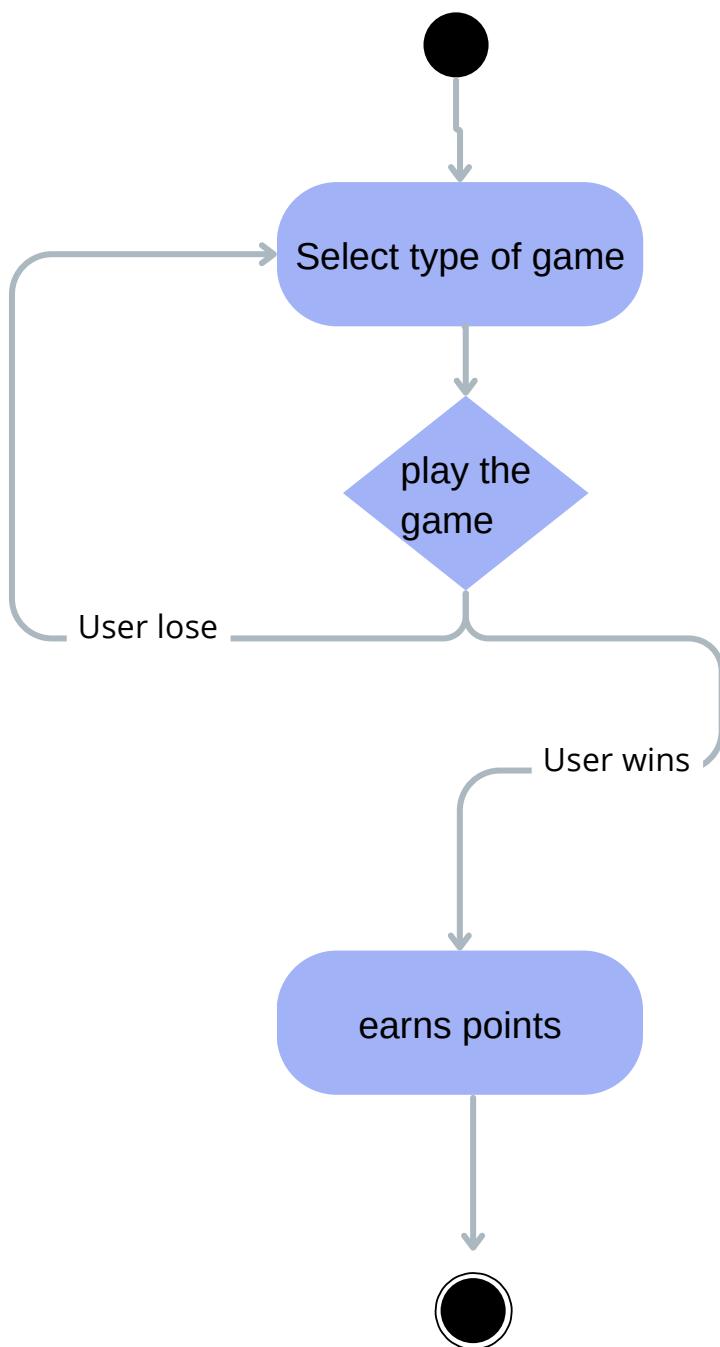
Chapter 3

3.5 Activity Diagram



Chapter 3

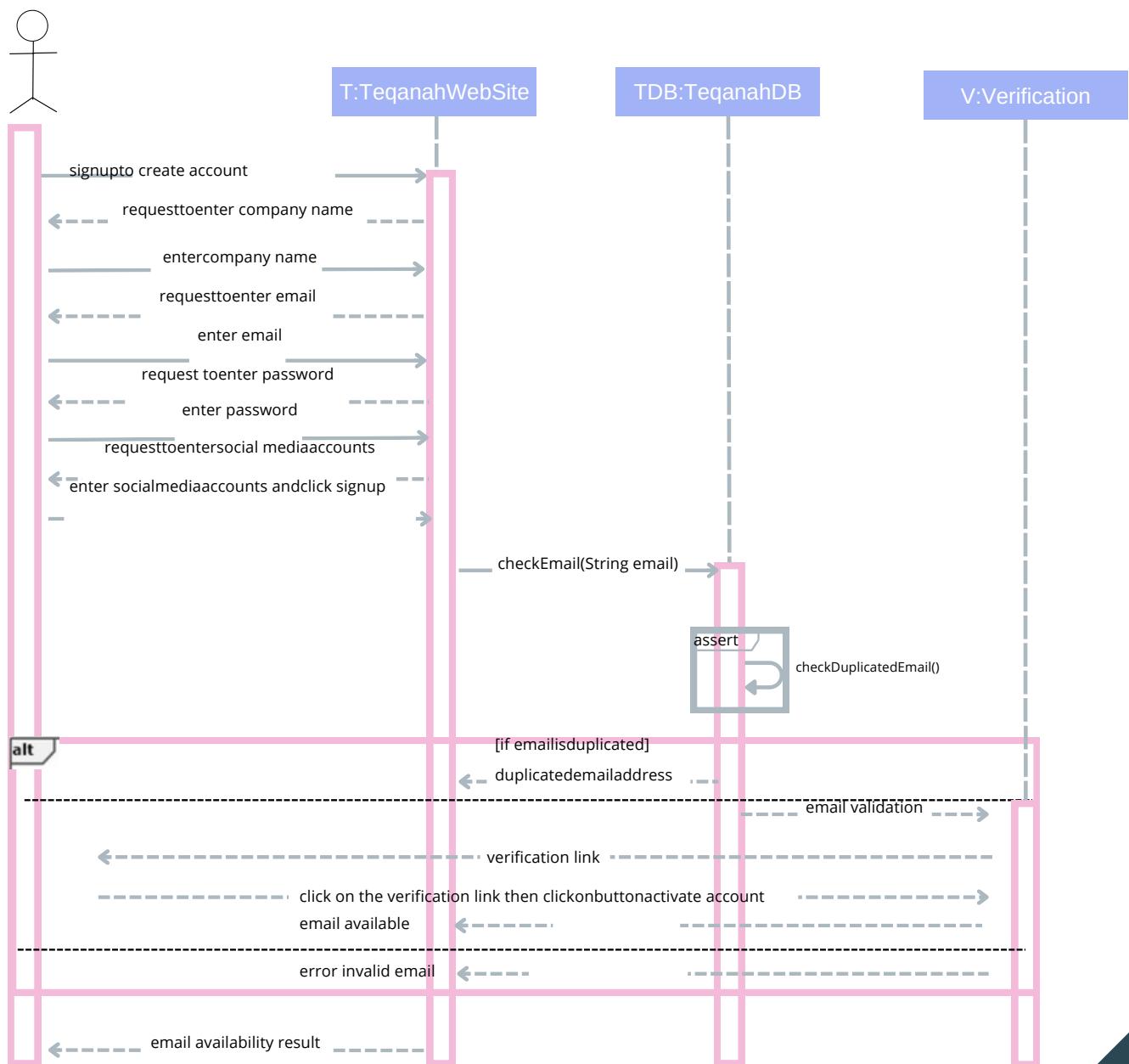
3.5 Activity Diagram



Chapter 3

3.6 Sequence Diagram

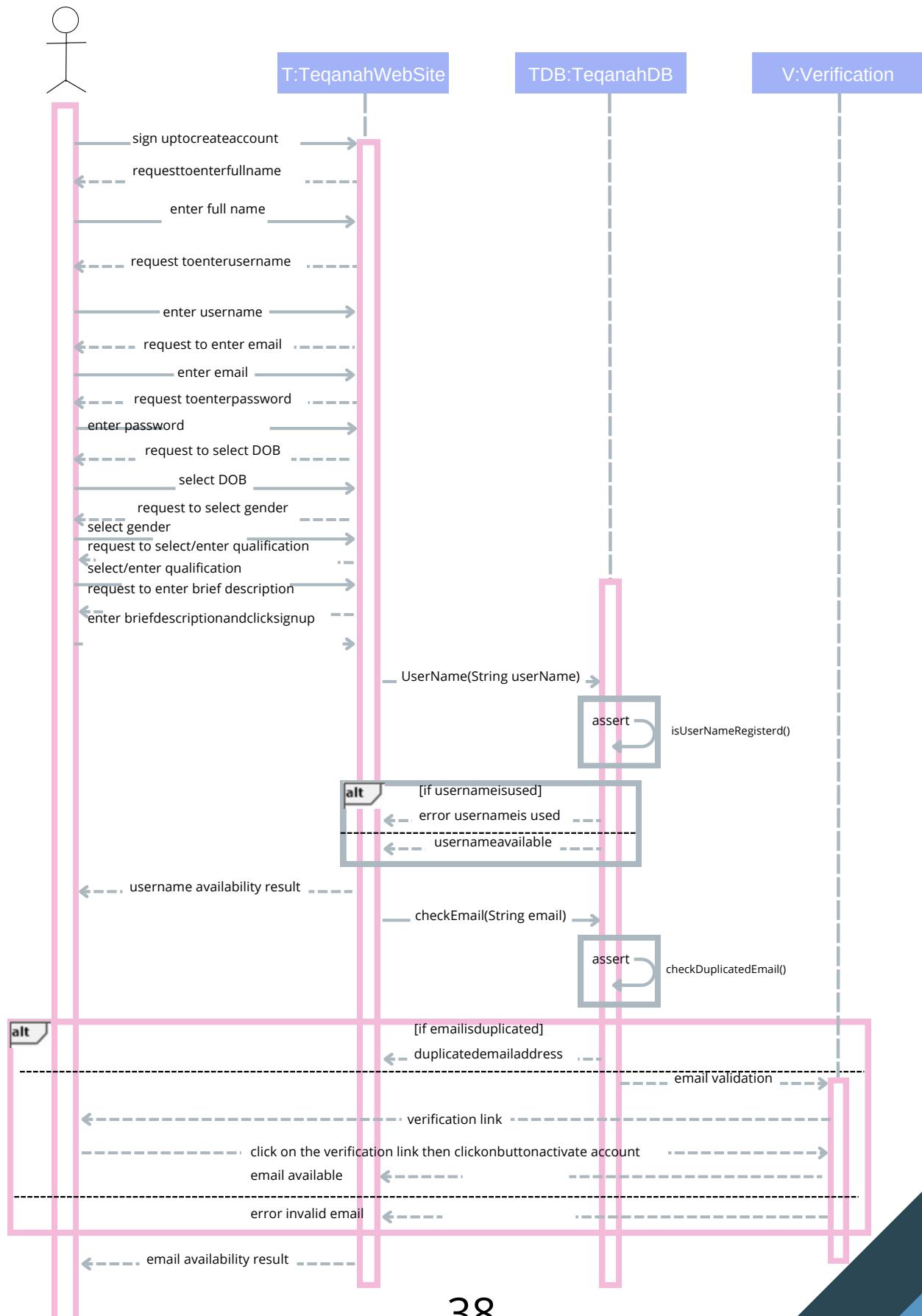
Create account for company user



Chapter 3

3.6 Sequence Diagram

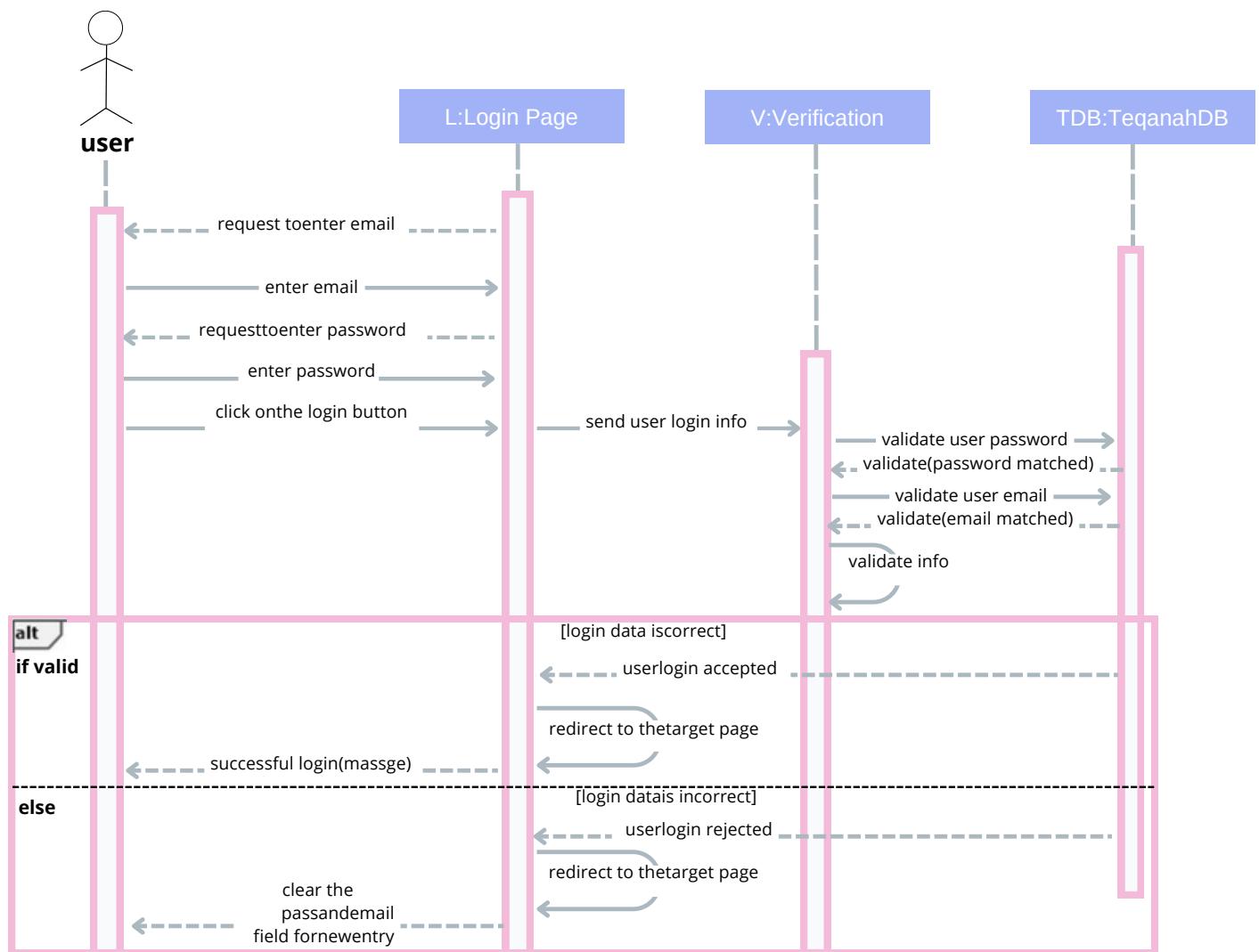
Create account for regular user



Chapter 3

3.6 Sequence Diagram

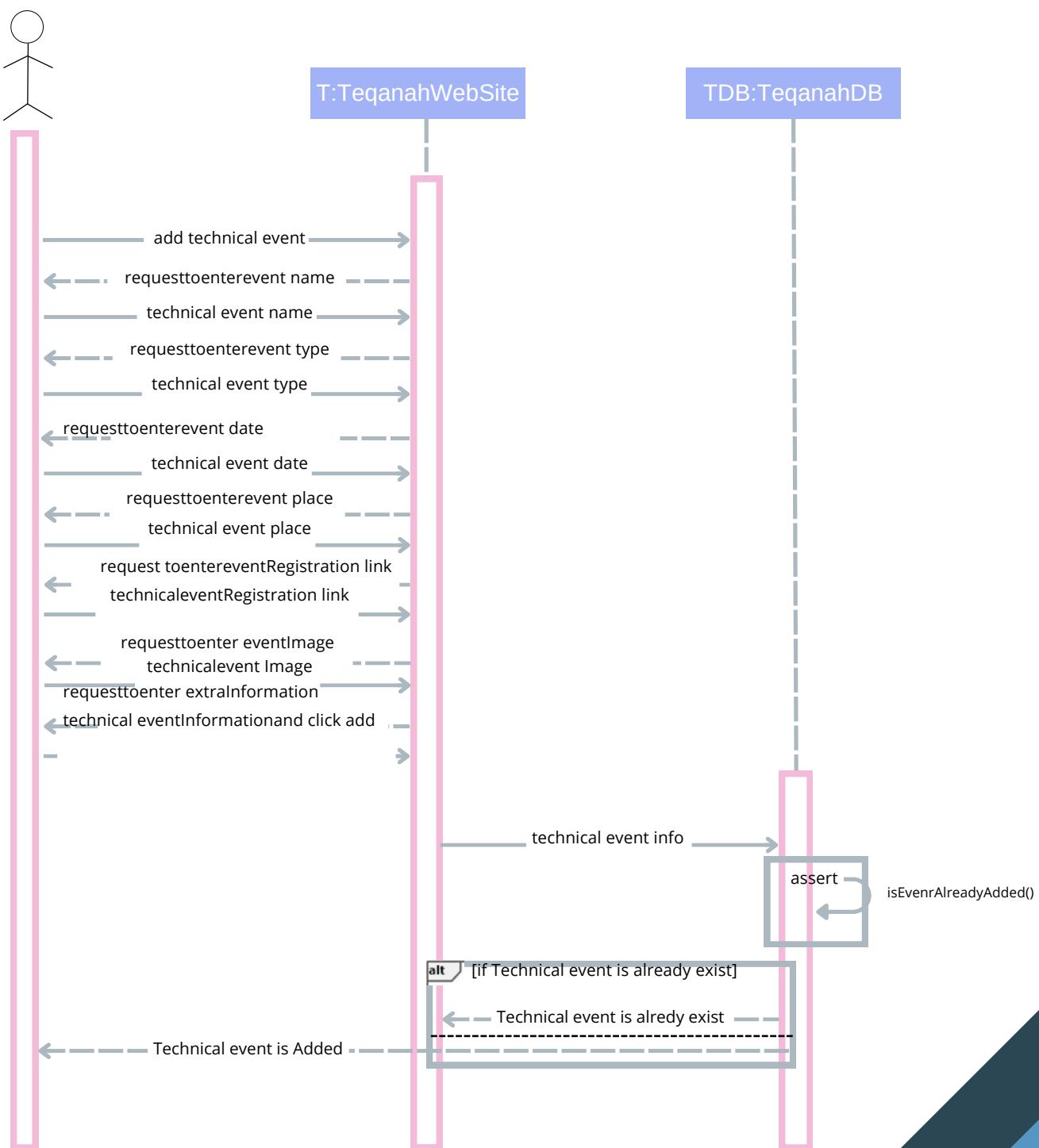
Login



Chapter 3

3.6 Sequence Diagram

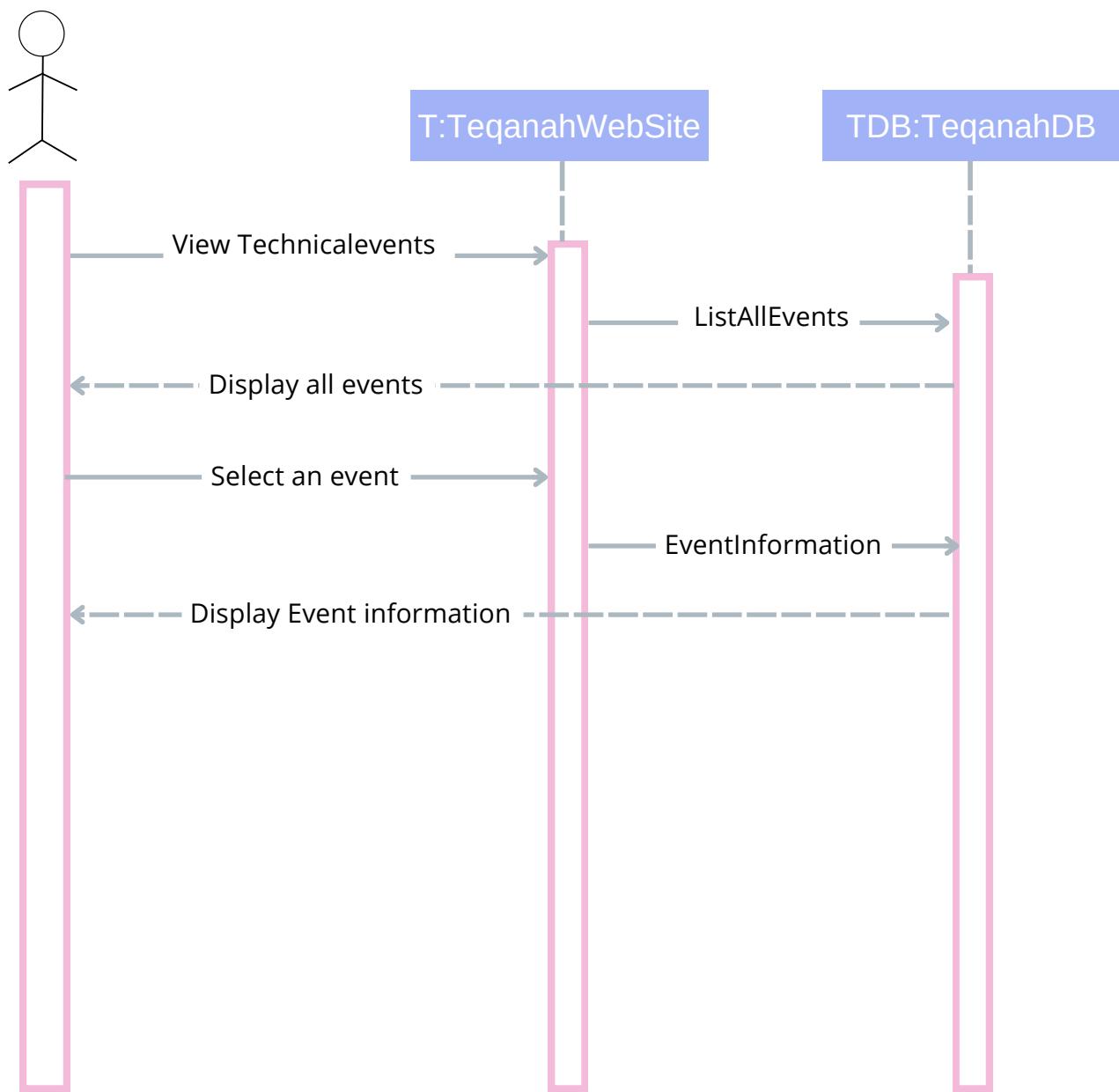
Add Technical event



Chapter 3

3.6 Sequence Diagram

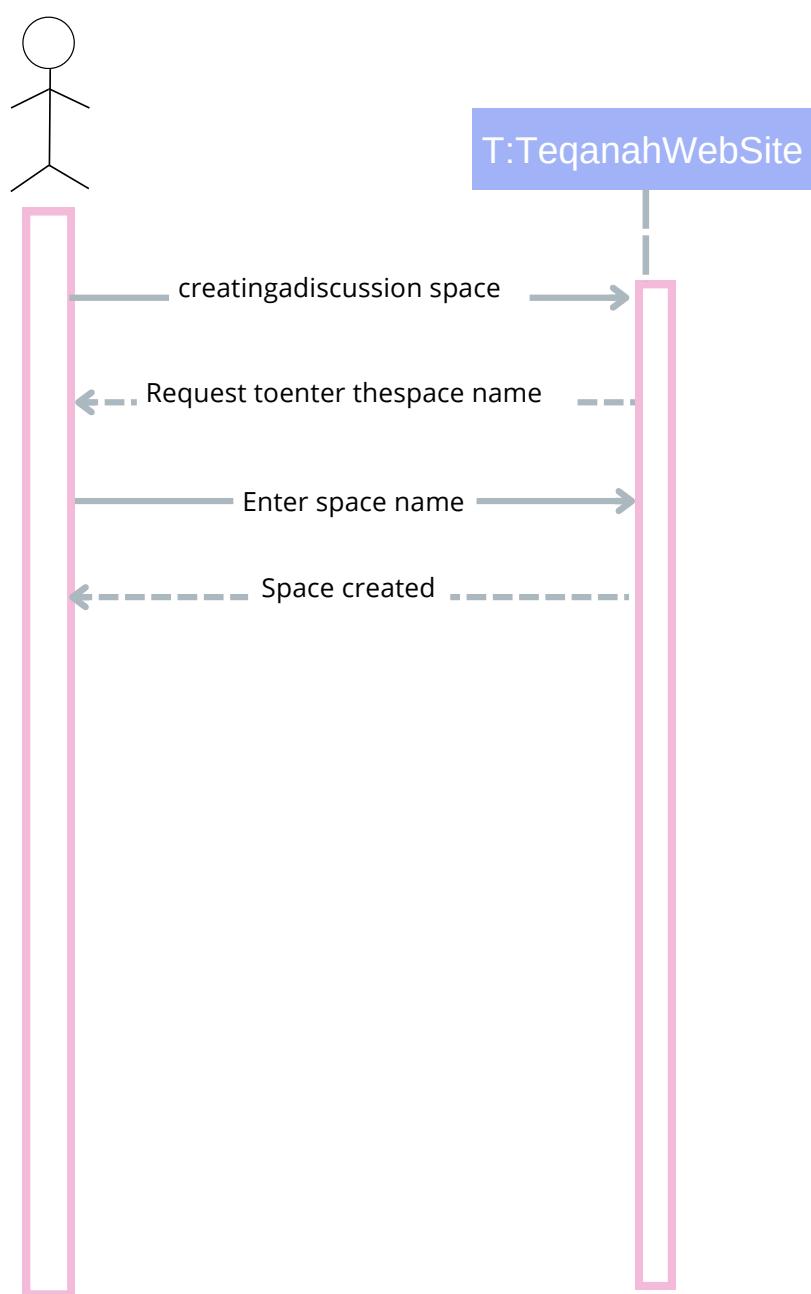
View Technical event



Chapter 3

3.6 Sequence Diagram

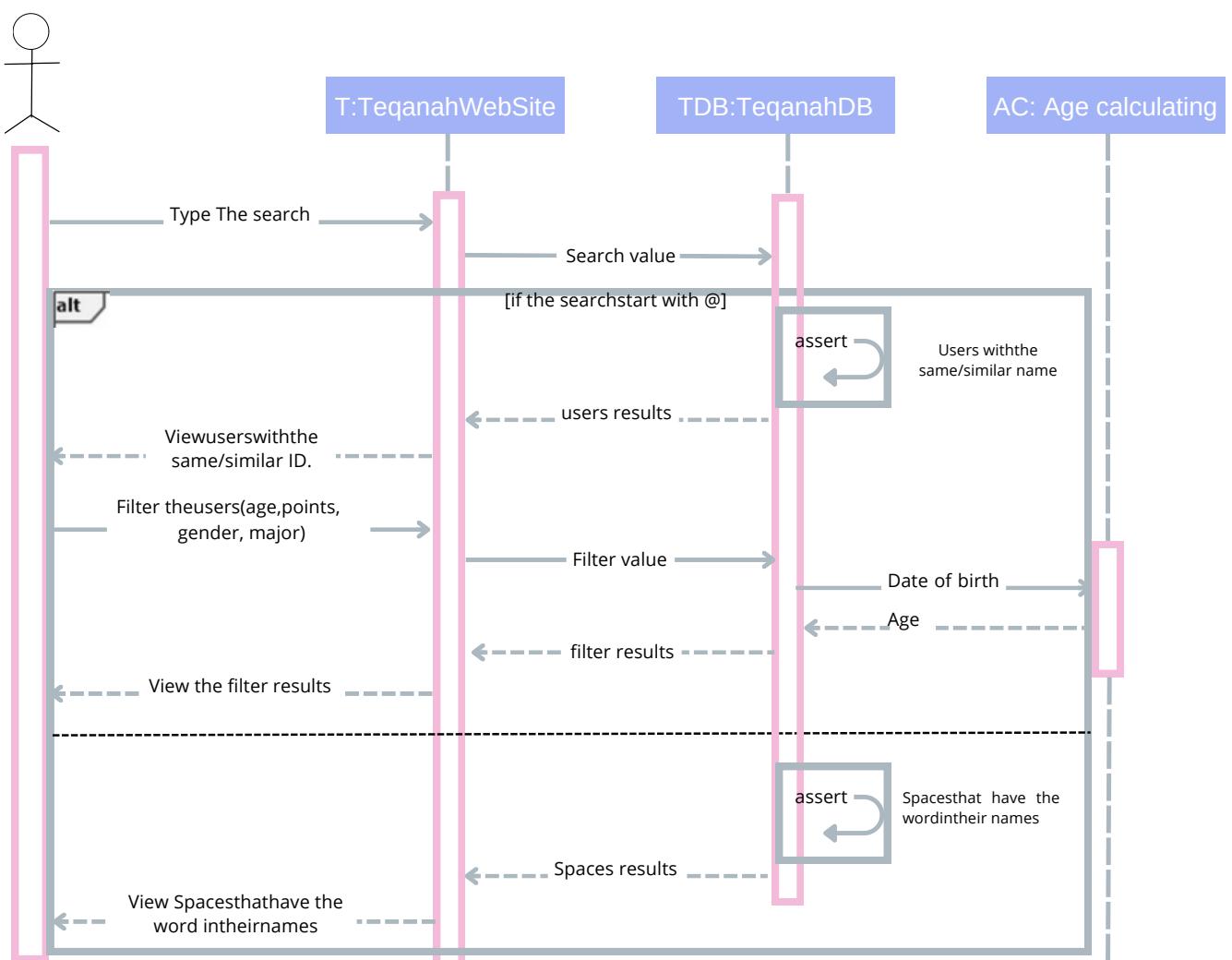
Create discussion space



Chapter 3

3.6 Sequence Diagram

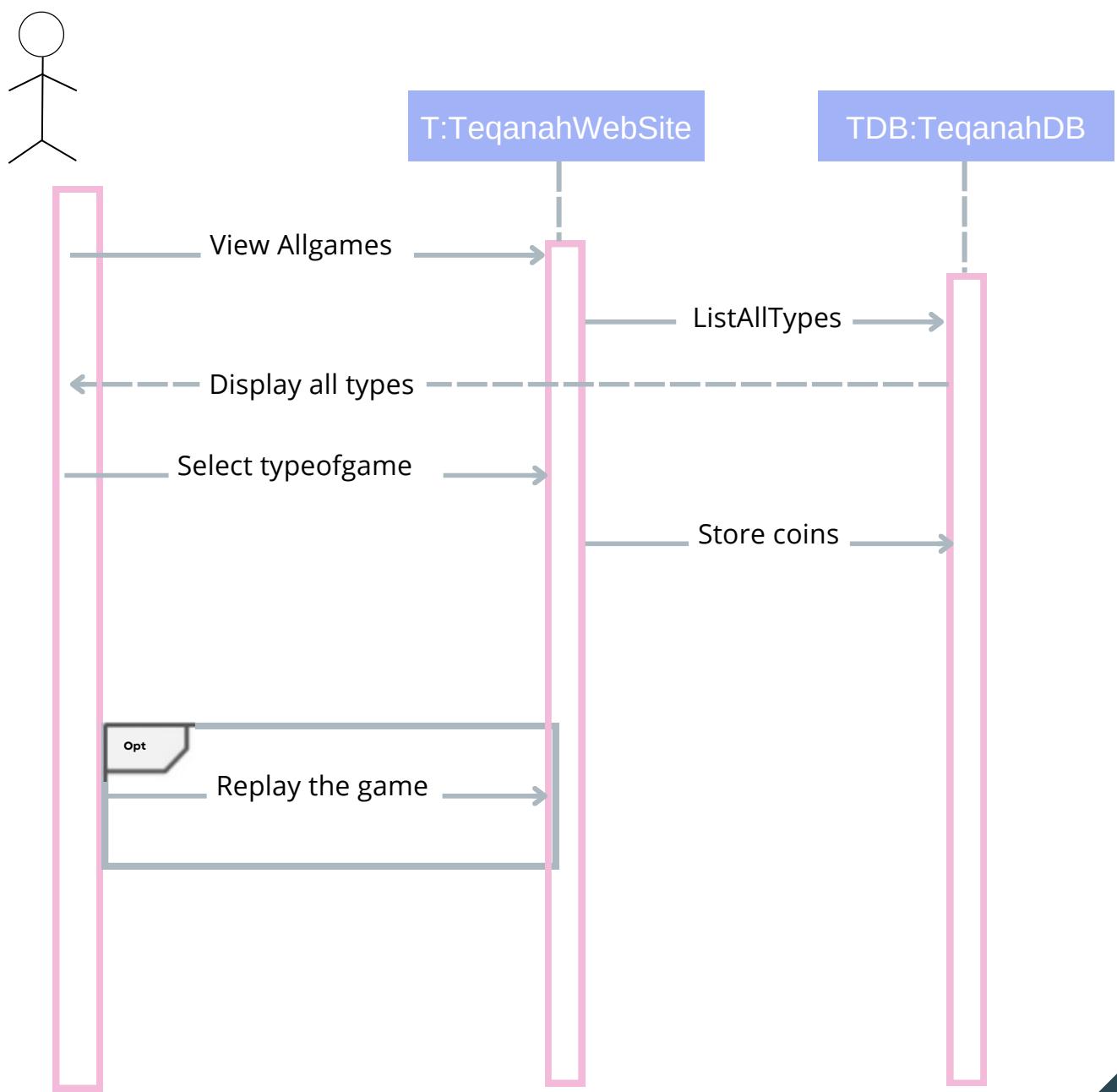
Search



Chapter 3

3.6 Sequence Diagram

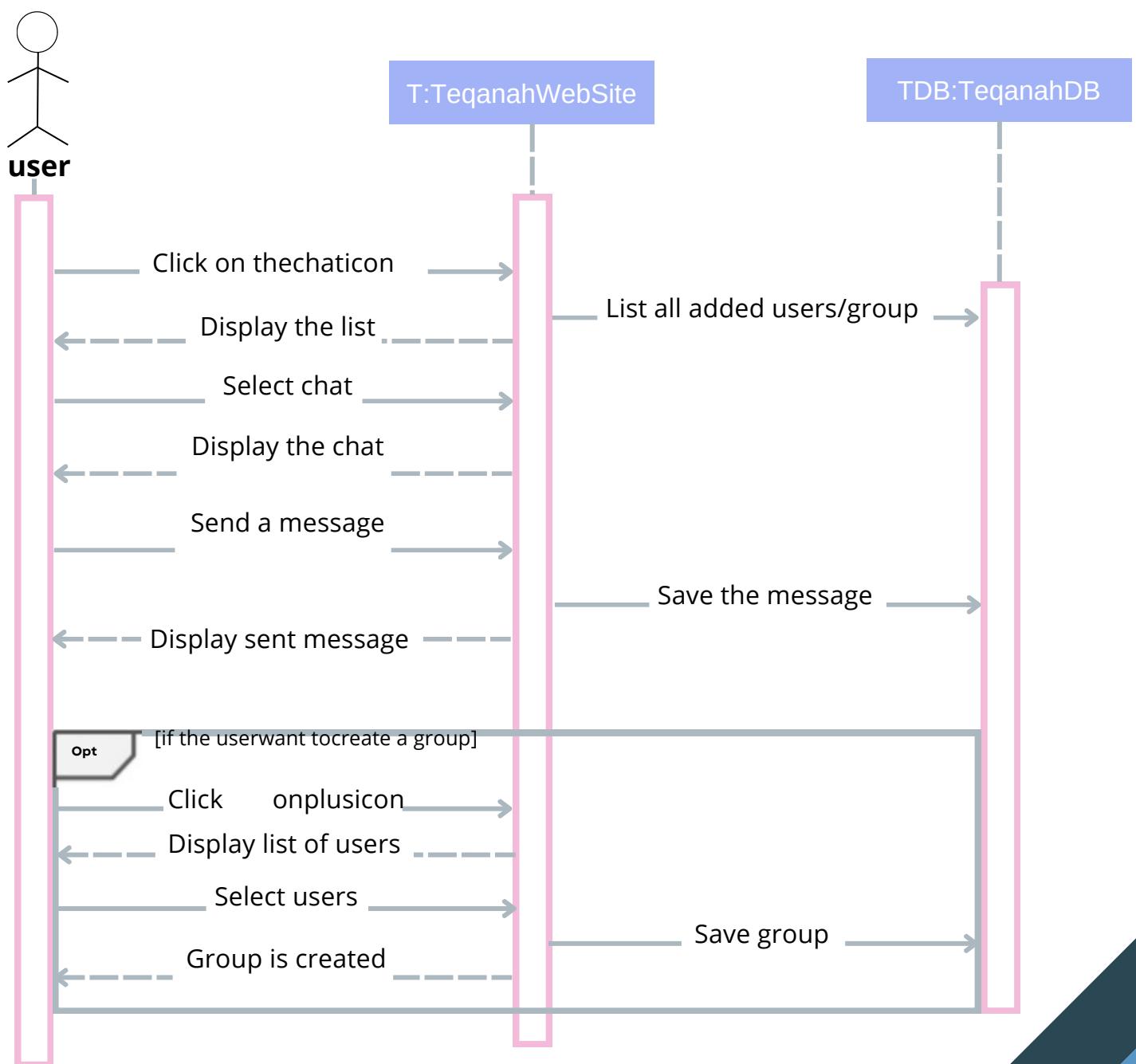
Game



Chapter 3

3.6 Sequence Diagram

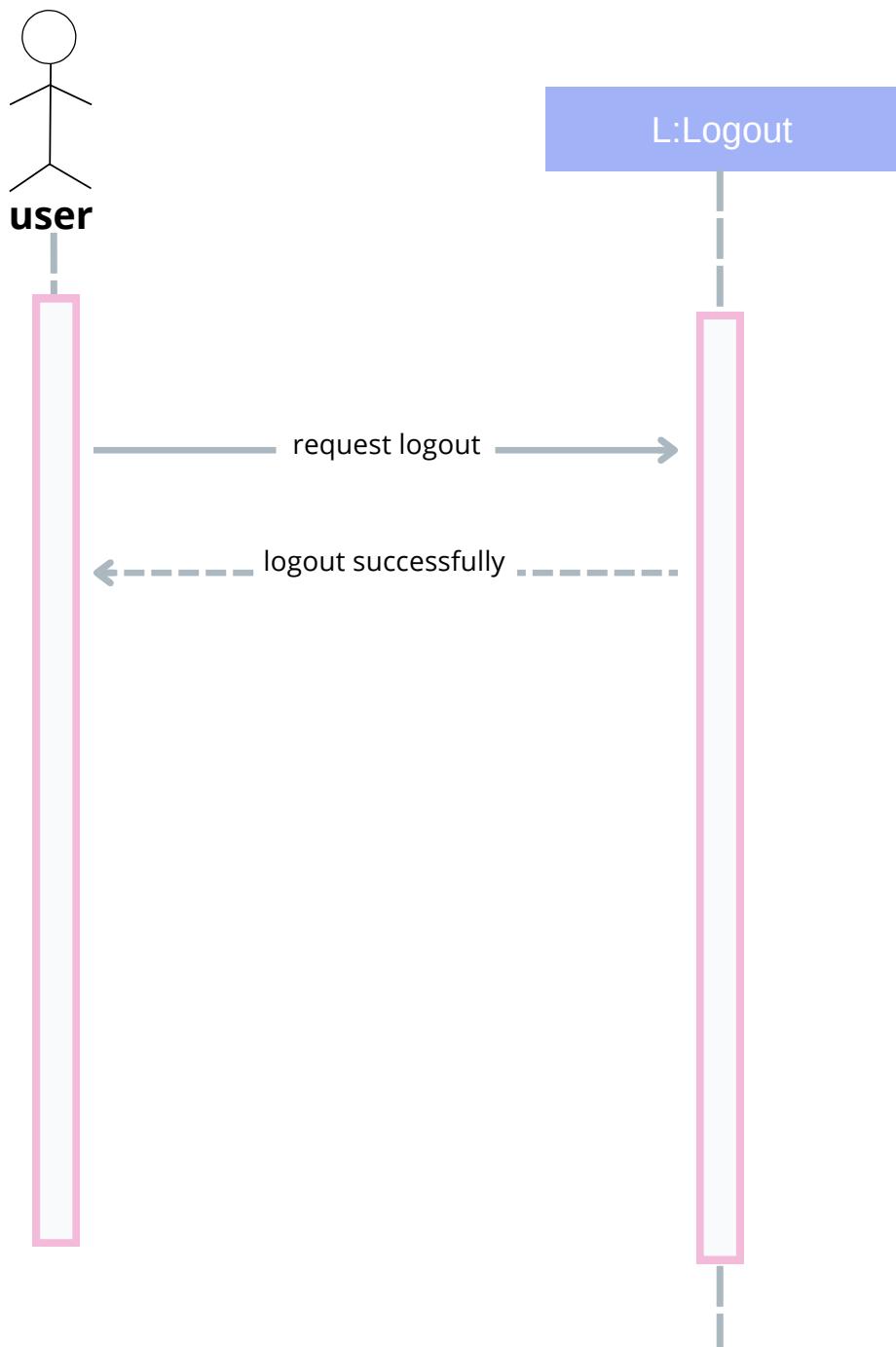
Direct message



Chapter 3

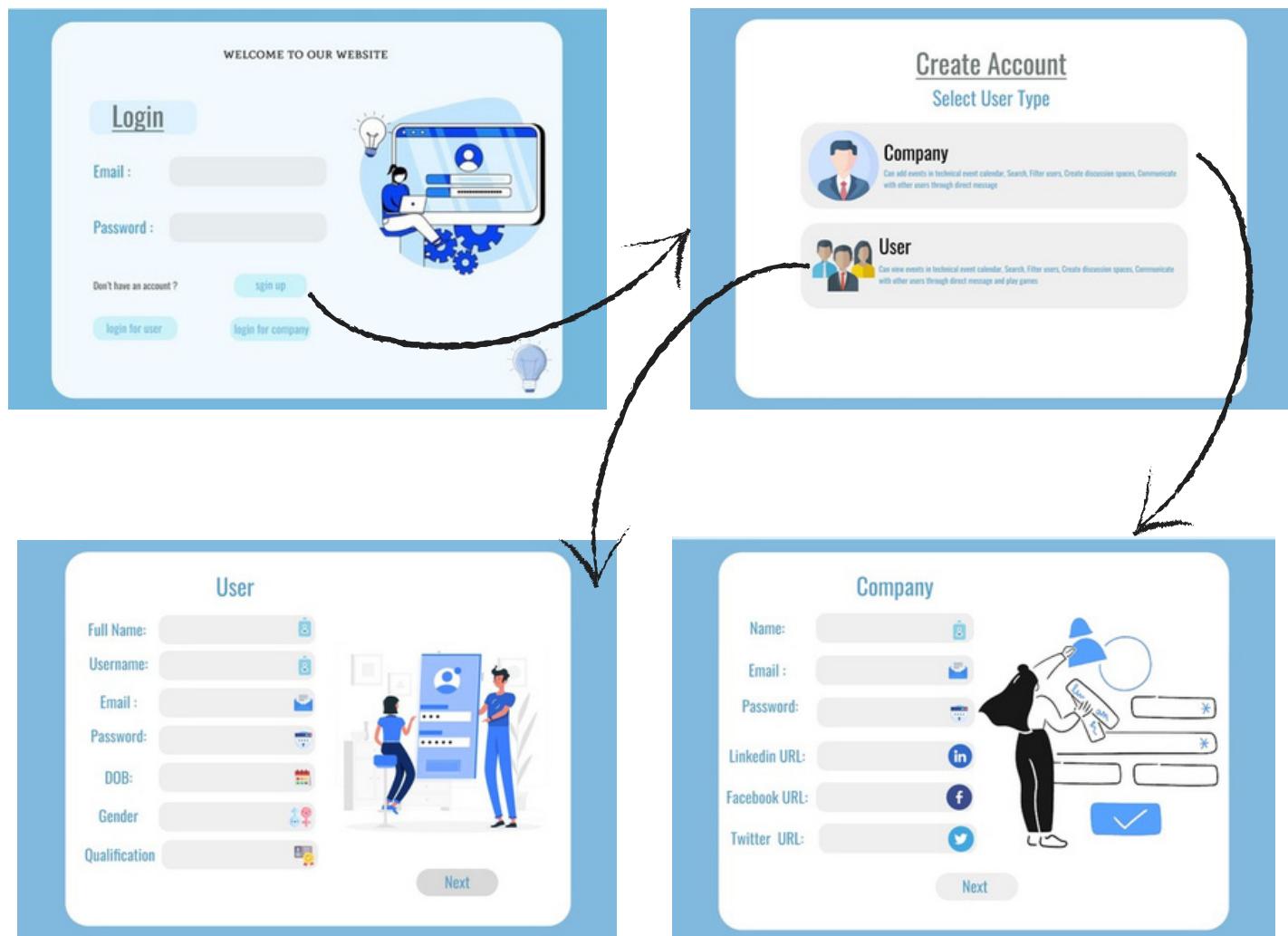
3.6 Sequence Diagram

Logout



Chapter 3

3.7 Prototype



Chapter 3

3.7 Prototype

login for user

Teganah

About Us

Welcome to Teganah, the ultimate hub for computer specialists. We facilitate seamless communication and collaboration, unlocking unprecedented opportunities for growth and advancement within the computer community. Join us today and expand your network with like-minded professionals.

Jan 2024

Events

Create tests on blackboard

Power Points

Logout

login for company

Teganah

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for the user and company

Teganah

Technical Evrnts

View technical events

UI/UX course

Web Development Bootcamp

AI Hackathon

only for company

Teganah

Technical Evrnts

Add technical events

Event name

Event Type

Event Date

Event place

Event registration link

Other information

Images

Add

Selected Technical events details

Teganah

Technical Events

Selected Technical events details

Event name: UI/UX

Event Type: UI/UX

Event Date and Time: 30-31 january 4-7PM

Event place: Coffee Language Cafe

Event registration link: <https://t.co/FQh5ICf247sr+true>

Course requirements:

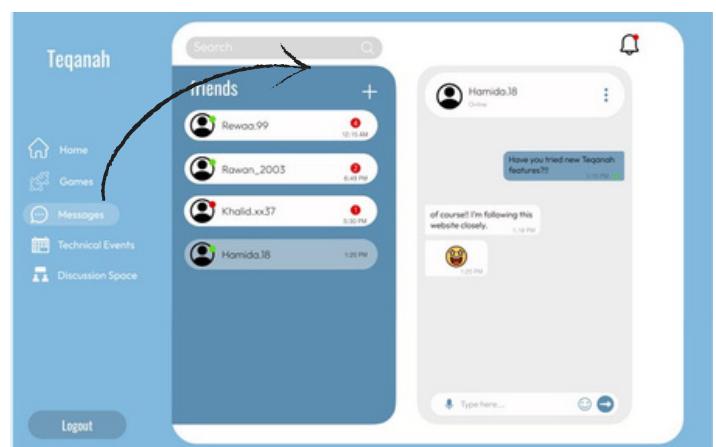
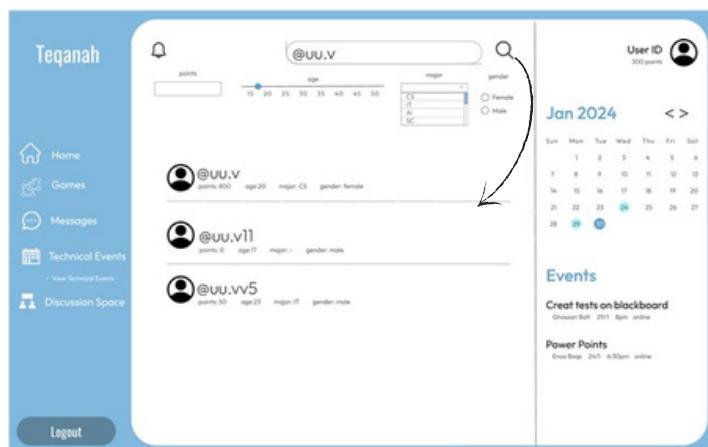
- 1-Laptop
- 2-internet
- 3-charger

Images

Next

Chapter 3

3.7 Prototype



Chapter 3

3.7 Prototype

The screenshot shows a quiz interface titled "Start the Quiz" with the message "Good Luck!". The question is: "What is a correct syntax to output "Hello World" in Java?". The options are:

- echo ("Hello World");
- system.out.println("Hello World");
- print ("Hello World");

Java is short for "JavaScript"? The options are:

- True
- False

At the bottom left is a "Logout" button.

The screenshot shows a game selection interface. It displays a warning icon and the message "Dear Rawan, your current level in Java programming is beginner level.". Below this, it says "Choose the type of game you would like to start with in your journey of learning Java programming". The game types listed are:

- Matching
- Write the missing word
- Find the output
- True or False
- All options

At the bottom left is a "Logout" button.

The screenshot shows a game interface. On the left, there is a code editor with the following Java code:

```
public class A {  
    public static void main(String[] args) {  
        if (true)  
            break;  
    }  
}
```

Below the code are two options:

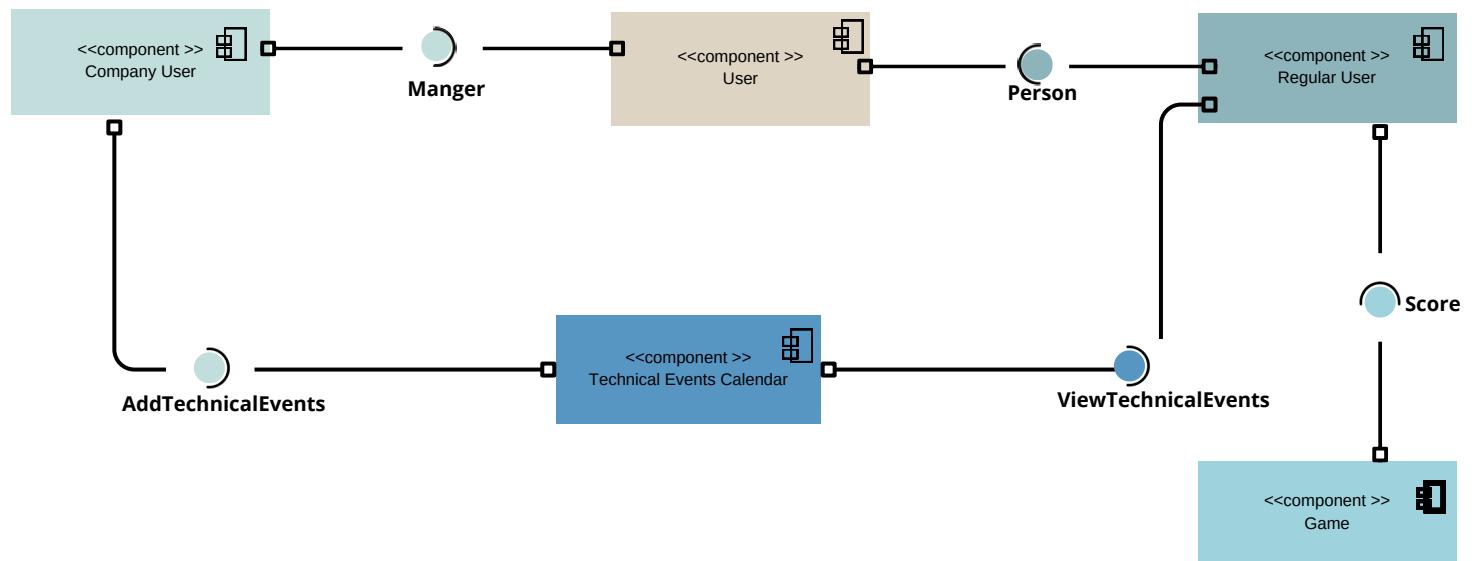
- Nothing
- Error

On the right, there is a sun icon with a star and the text "650 points!". At the bottom right is a "Next Question" button.

Chapter 4

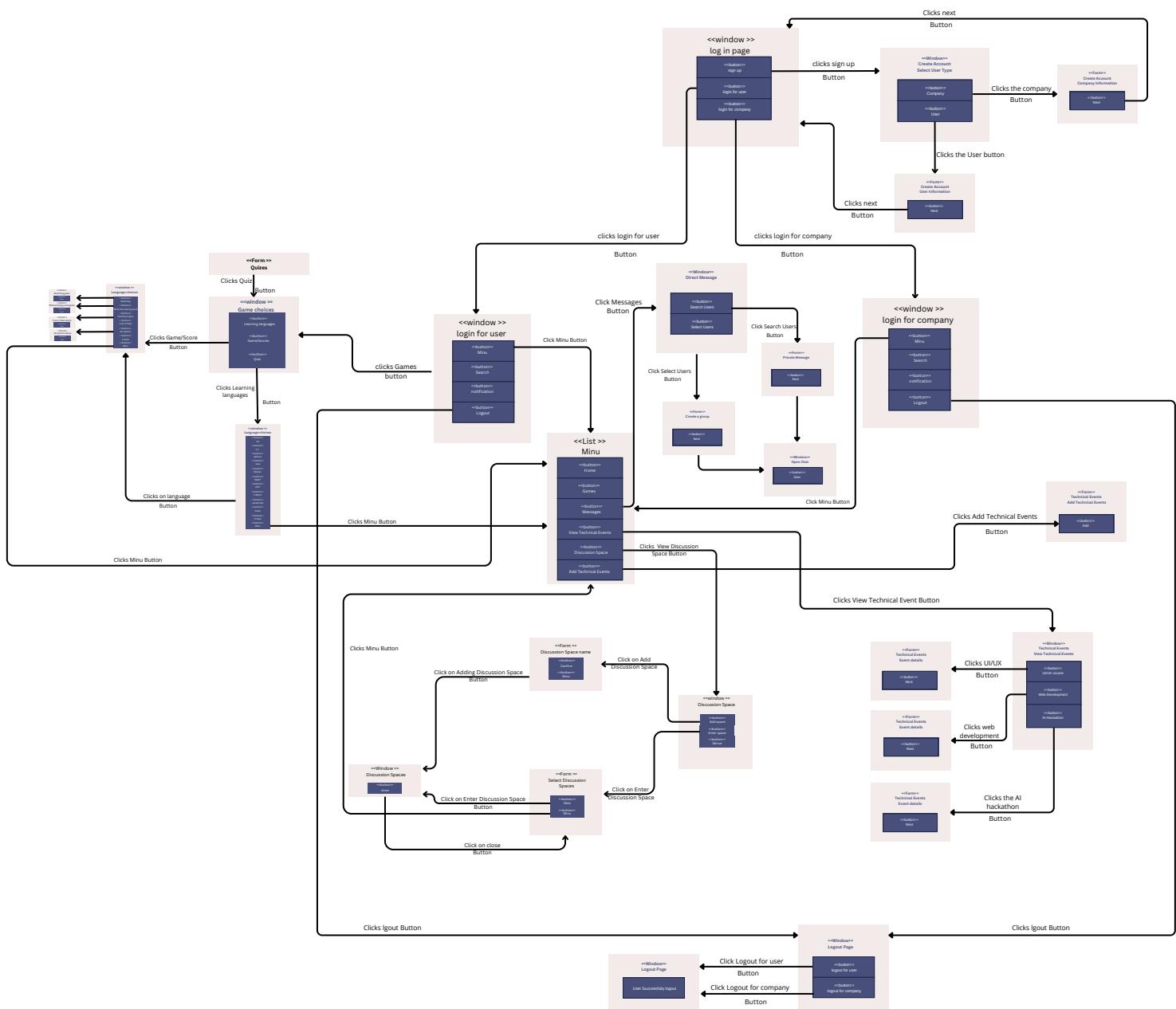
4.1 Component Design (high level)

Component Diagram



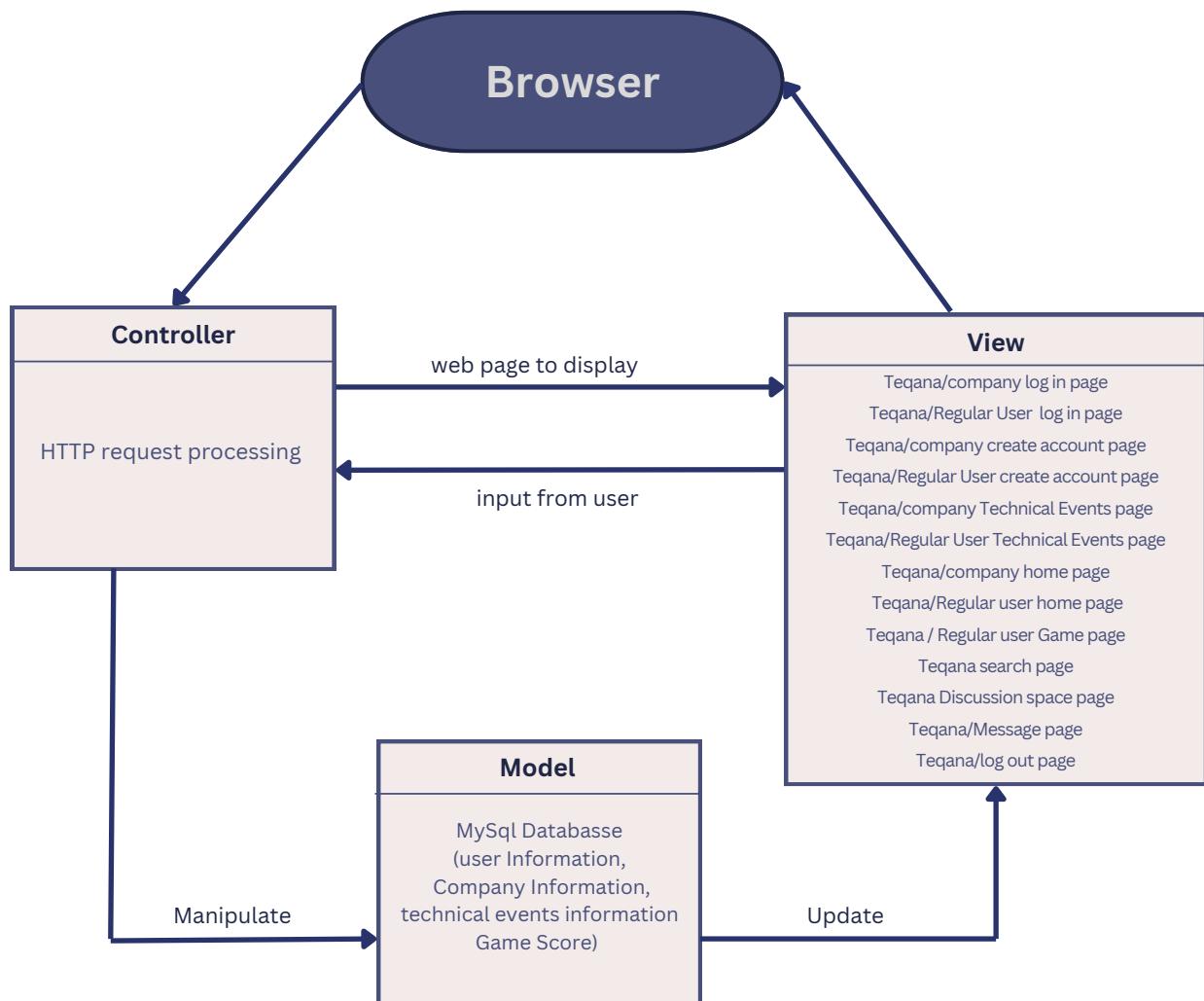
Chapter 4

4.2 Interface Design(WND)



Chapter 4

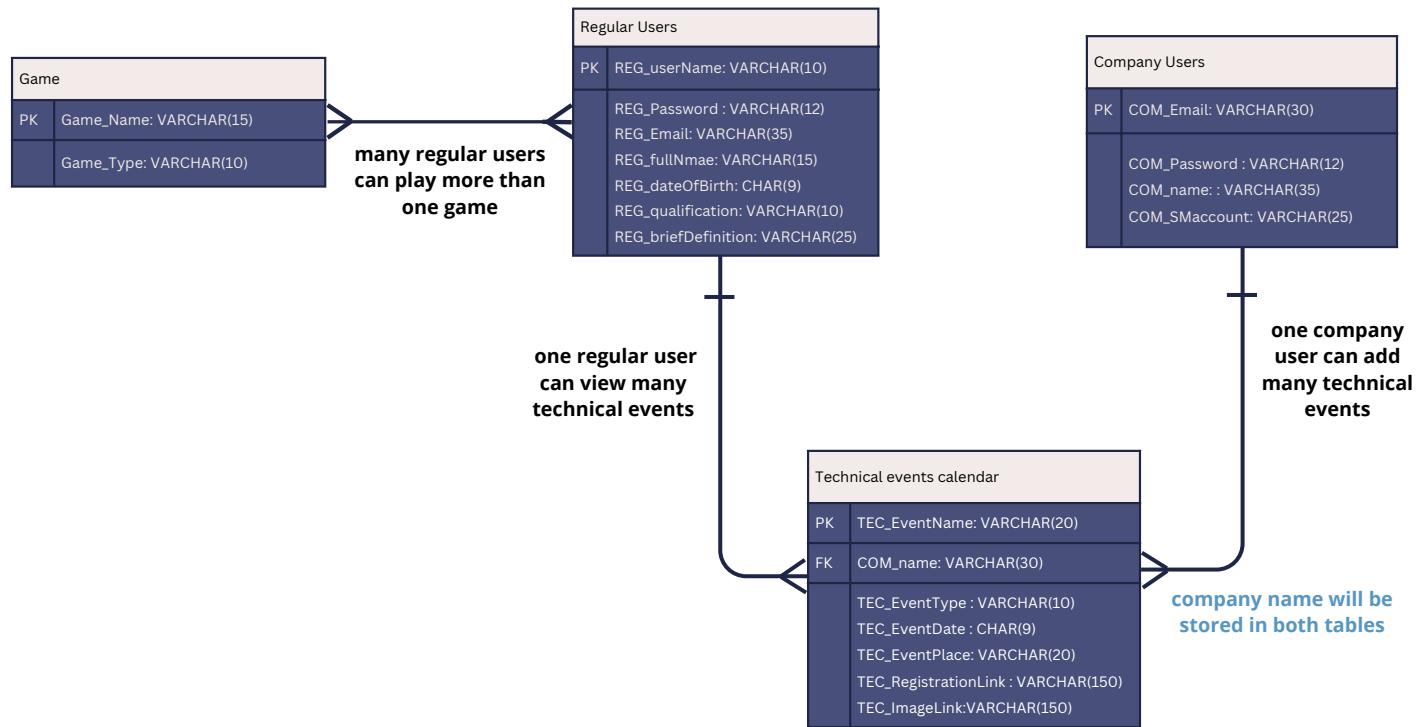
4.3 Architectural design



We opted for the MVC (Model-View-Controller) software architecture because it suits our system's needs. We need to store user information, company details, technical events information, and game scores in the database. Additionally, we have many components that need to communicate with each other, and there are multiple ways to interact with the data. Moreover, MVC is generally simple to understand and maintain, and widely applicable.

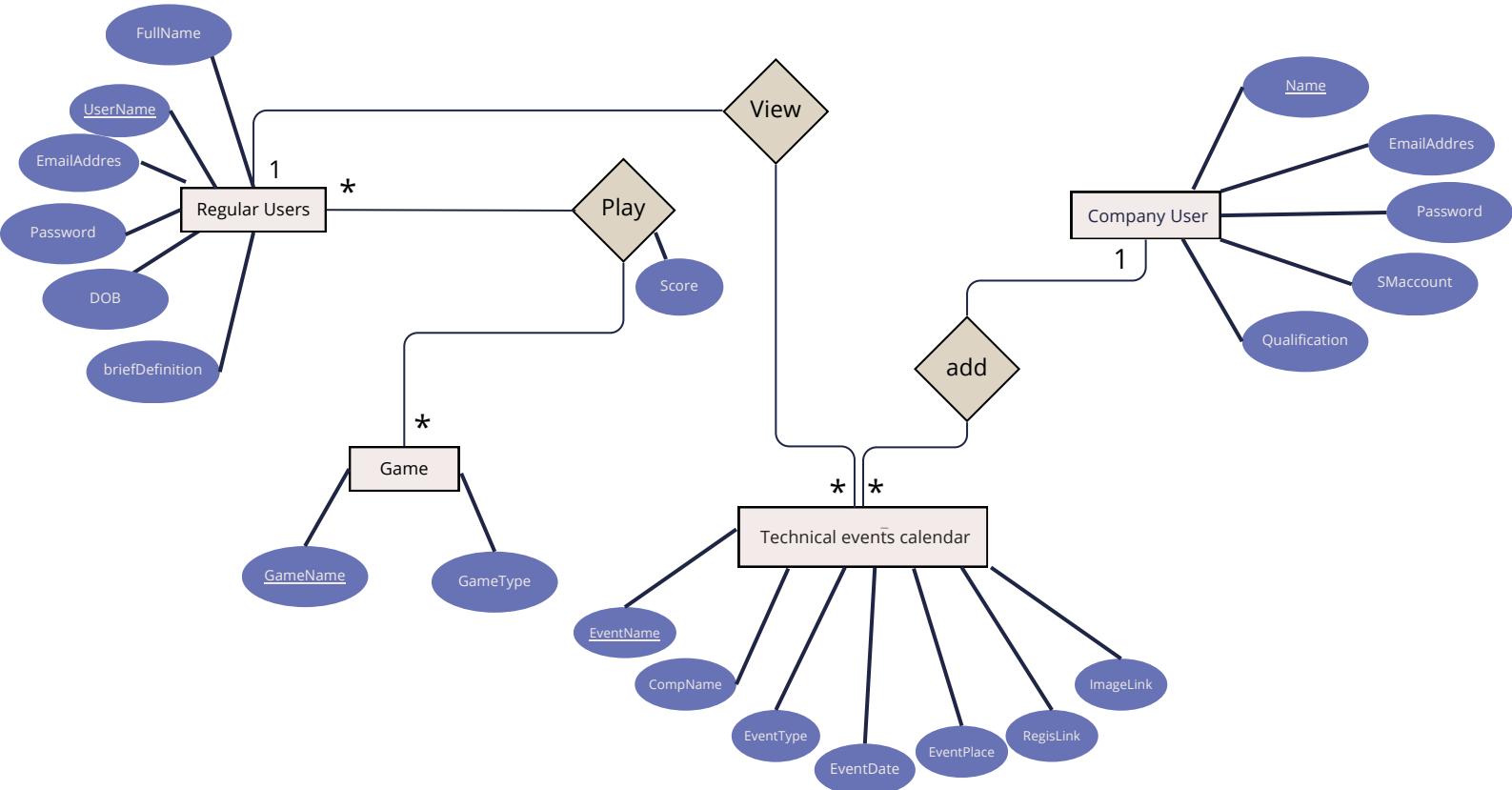
Chapter 4

4.4 Data Storage Design(ERD)



Chapter 4

4.4 Data Storage Design(ERD)

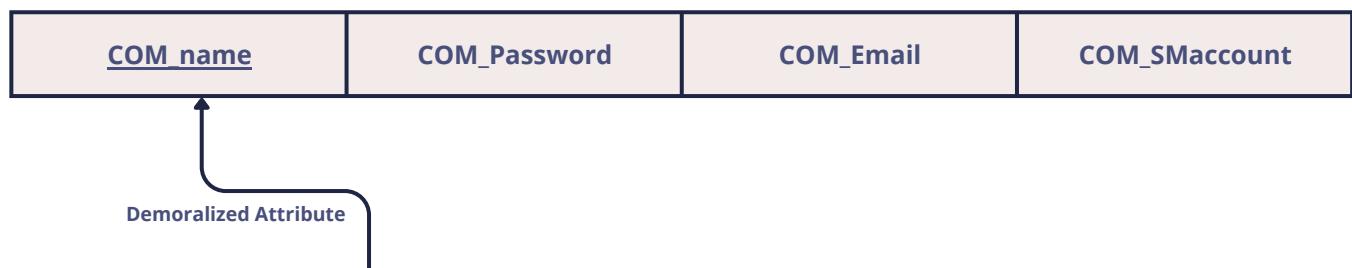


Chapter 4

4.4 Data Storage Design(Denormalize)

For the optimizing access speed we used the denormalization techniques

Company User



Technical Events

<u>TEC_EventName</u>	<u>COM_name</u>	TEC_EventType	TEC_EventDate	TEC_EventPlace	TEC_RegistrationLink	TEC_ImageLink
----------------------	-----------------	---------------	---------------	----------------	----------------------	---------------

FK from Company user

Regular User

<u>REG_userName</u>	REG_Password	REG_fullName	REG_dateOfBirth	REG_qualification	REG_briefDefinition
---------------------	--------------	--------------	-----------------	-------------------	---------------------

Game

<u>GameName</u>	GameType
-----------------	----------

Play

<u>GameName</u>	<u>REG_userName</u>	GameScore
-----------------	---------------------	-----------

FK from Game

FK from Regular user

Chapter 5

Chapter 5 (Implementation):

In the implementation phase, we opted for Adalo primarily for its user-friendly interface and efficient database connectivity features. enabling us to connect our designed interfaces directly to databases . This choice allowed us to accelerate development by reducing the time spent on backend. making it a suitable choice for our implementation needs.

Users data

Users 1 Record ⋮

A Full Name
A Username
A Email
A Password
A Linkedin URL
A Facebook URL
A X URL
A Gender
A Day of Birth
A Qualifications

Data records

Users + ADD USER ⋮

A Full Name	A Username	A Email	A Password	A Gender	A ⋮
t		t@gmail.com	[hidden]		
Jood	Jood	Jood@gmail.com	[hidden]	female	
Teqana		Teqana@gmail.com	[hidden]		

DONE

Users + ADD USER ⋮

A Qualifications	A Day of birth	A Linkedin	A Facebook	A X
		dfyu	fgh	ghj
All			http://linkedin.com/in/...	https://www.facebook....
				https://twitter.com/Teq...

DONE

Data records

Technical Events + ADD TECHNICAL EVENT ⋮

Technical Events 3 Records ⋮

□	A Name	A Details	Image	A date and time	A location
□	AI Hackathon	Revolutionizing software...		2 January 2025 at 10a...	UQU University
□	Web Development Boo...	Bootcamp about web ...		4-18 August 2024 start...	Online
□	Git&GitHub	This course will teach ...		10 July 2024 , at 5:00 p...	mecca UQU university

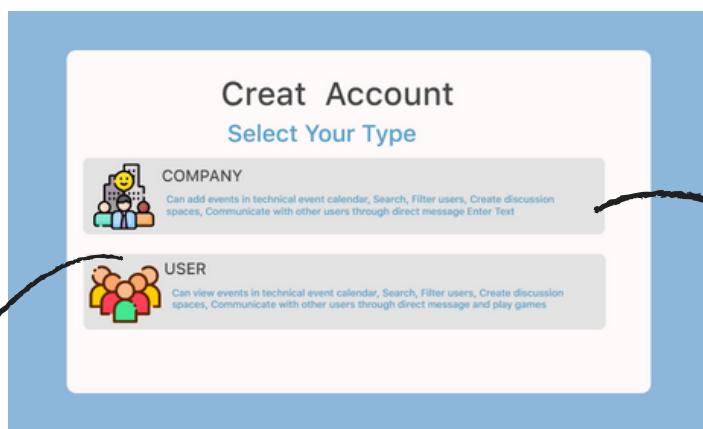
Technical events data

A Name
A Details
Image
A date and time
A location
A information

Chapter 5

Chapter 5 (Implementation):

- Prototype of the interface



Regular User

Full Name: Enter full name...
Username: Enter username...
Email: Enter email...
Password: Enter password...
Gender: Enter gender...
DOB: Thursday, May 4th, 2019
Qualifications: Enter qualifications...

SIGNUP as User
Already have an account? Login

Company User

Full Name: Enter full name...
Email: Enter email...
Password: Enter password...
LinkedIn URL: Enter linkedin URL...
Facebook URL: Enter Facebook URL...
X URL: Enter X URL...

SIGNUP as Company
ALREADY HAVE AN ACCOUNT? LOGIN

welcome to our website

Login

Username: Enter username...
Password: Enter password...

LOGIN
DON'T HAVE AN ACCOUNT? SIGNUP

Welcome Again

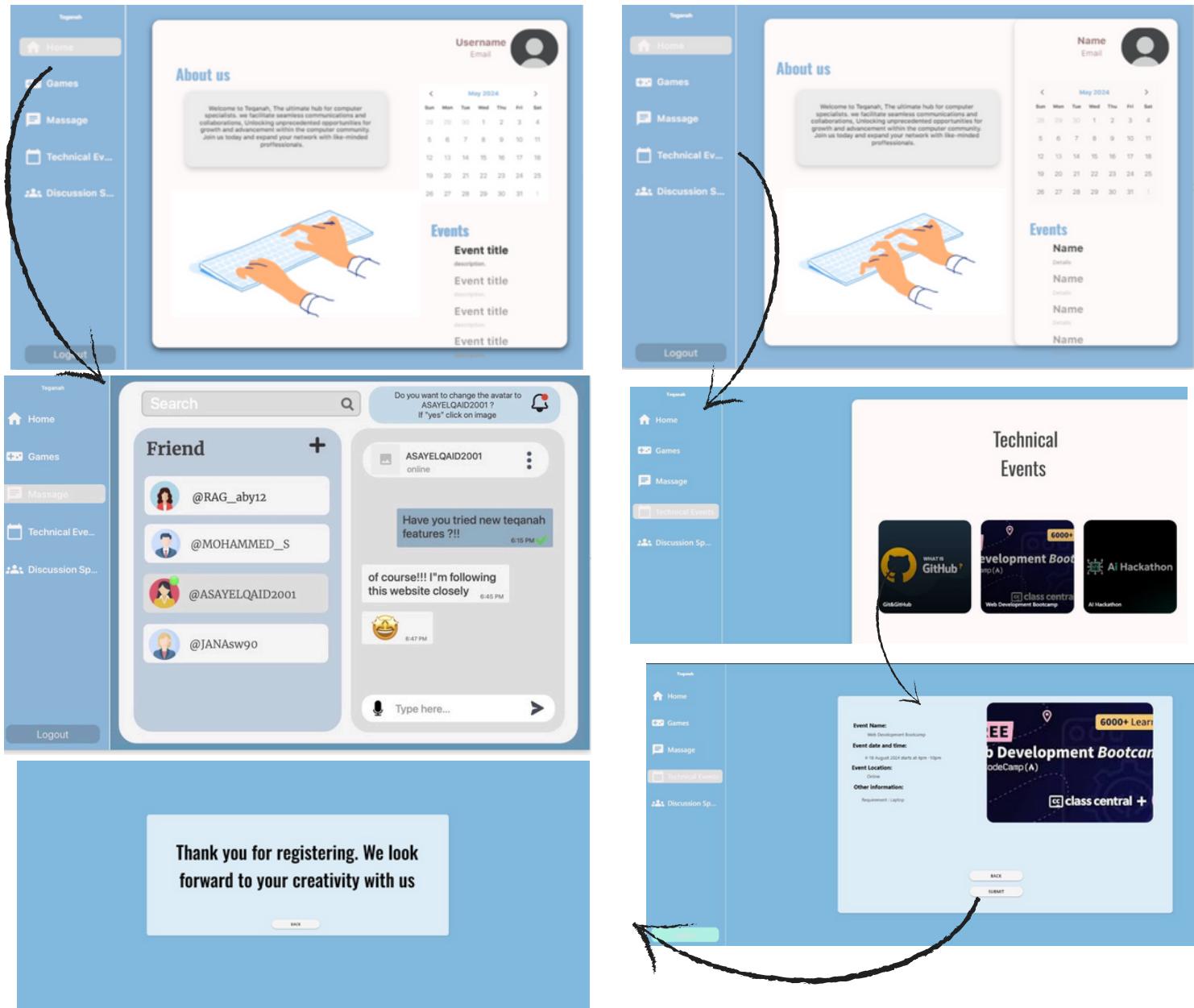
Login for Company

Email: Enter email...
Password: Enter password...

LOGIN
You Don't have Account? Sign Up

Chapter 5

Chapter 5 (Implementation):



We didn't do the following due to the lack of time of the semester but we provide every thing else in this report and we can see it in the prototype of software engineering 1

In the functional requirements

1- Create an account

- For the user

Point 1.2 choosing the fields from the list

The password constraints like the number of the password and user name and if it has special characters.

- For the company

The password constraints like the number of the password and user name and if it has special characters.

2- Login / Logout

2.4 if the user remains active for a long time the system will logout automatically

3-View and Add Technical Events calendar

only the registration link we did not put it

4-Discussion space just like an icon

5-Direct Massage just like a picture of the possible screen

6-Filters and Search

7-Play a game just like an icon

Chapter 6

Chapter 6 (Testing):

1. Test case for the functionality of the Welcome screen .

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of clicking Company button.	1. Launch the website. 2. Locate the Company button. 3. Click on the Company button.	Website URL	Company user should go to company signup page.	user is successfully go to company signup page.	Pass
TU02	Check functionality of clicking User button.	1. Launch the website. 2. Locate the User button. 3. Click on the User button.	Website URL	User should go to User signup page.	user is successfully go to company signup page.	Pass

Chapter 6

Chapter 6 (Testing):

2. Test case for the functionality of the signup user button.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of the signup button when the user clicks "signup as a user" in the user sign up page	1. Launch the website. 2. Locate the signup page. 3. Enter the required information. 4. Click on the signup as a user button.	full name (jood hassan) user name (sample_12) email (sample1@gmai.com) password (sam3ple56) gender (male/female) date of birth (1/3/1999) qualifications (college degree)	User will be able to signup successfully and go to the login page to continue.	User will be able to signup successfully and go to the login page to continue.	Pass
TU02	Check functionality if the user already have an account?	1. Launch the website. 2. Locate the sginup page. 3. Click on already have an account? button	full name (jood hassan) user name (sample_12) email (sample1@gmai.com) password (sam3ple56) gender (male/female) date of birth (1/3/1999) qualifications (college degree)	User will be able to go to the login page to continue.	User will be able to go to the login page to continue.	Pass

Chapter 6

Chapter 6 (Testing):

3. Test case for the functionality of the signup Company button.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of the signup button when the user clicks "signup as a Company user" in the Company sign up page	1. Launch the website. 2. Locate the signup page. 3. Enter the required information. 4. Click on the signup as a company button.	company name: Teqana Email: Teqana@outlook.com password: 1234 Linkedin URL: http://linkedin.com/in/Teqana-70065325b Facebook URL: https://www.facebook.com/teqana/?locale=ar_AR X URL: https://twitter.com/Teqana	company user will be able to signup successfully and go to the login page to continue.	company user will be able to signup successfully and go to the login page to continue.	Pass
TU02	Check functionality if the company user already have an account?	1. Launch the website. 2. Locate the signup page. 3. Click on already have an account? button	company name: Teqana Email: Teqana@outlook.com password: 1234 Linkedin URL: http://linkedin.com/in/Teqana-70065325b Facebook URL: https://www.facebook.com/teqana/?locale=ar_AR X URL: https://twitter.com/Teqana	Company User will be able to go to the login page to continue	Company User will be able to go to the login page to continue	Pass

Chapter 6

Chapter 6 (Testing):

4 Test case for the functionality of the login user button.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of the login button when the user clicks "login" in the user login page	1. Launch the website. 2. Locate the login page. 3. Enter username and the password. 4. Click on the login button.	Username (sample_12) Password (sam3ple56)	user should be login and the home page is displayed.	user is successfully login and home page is displayed.	Pass
TU02	Check functionality of the login button when the user dose not enter login information in the user login page	1. Launch the website. 2. Locate the login page. 3. User dosent inter username and the password. 4. Click on the login button.	Username (sample_12) Password (sam3ple56)	Massge will appear indicate that the fields is requierd	Massge will appear indicate that the fields is requierd	Pass
TU03	Check functionality of the login button when the user dose not enter the correct login information that exist in the database in the user login page	1. Launch the website. 2. Locate the login page. 3. User dosent inter username and the password that exist on the database. 4. Click on the login button.	Username (sample_12) Password (sam3ple56)	Massge will appear indicate Invalid Username or Password Please double-check the information you provided and try again.	Massge will appear indicate Invalid Username or Password Please double-check the information you provided and try again.	Pass
TU04	Check functionality if the user dosent have Account	1. Launch the website. 2. Locate the login page. 3. Click on Dont have an account? button	Username (sample_12) Password (sam3ple56)	User will be able to go to the signup page and craete an account.	User will be able to go to the signup page and craete an account .	Pass

Chapter 6

Chapter 6 (Testing):

5. Test case for the functionality of the login Company button.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of the login button when the Company user clicks "login" in the Company user login page	1. Launch the website. 2. Locate the login page. 3. Enter Email and password. 4. Click on the login button.	Email: Teqana@outlook.com password: 1234	Company user should be login and the home page is displayed.	Company user is successfully login and home page is displayed.	Pass
TU02	Check functionality of the login button when the Company user dose not enter login information in the Company user login page	1. Launch the website. 2. Locate the login page. 3. User dosent inter username and the password. 4. Click on the login button.	Email: Teqana@outlook.com password: 1234	Message will appear indicate that the fields is required	Massage will appear indicate that the fields is required	Pass
TU03	Check functionality of the login button when the Company user dose not enter the correct login information that exist in the database in the user login page	1. Launch the website. 2. Locate the login page. 3. Company User doesn't inter Email and the password that exist on the database. 4. Click on the login button.	Email: Teqana@outlook.com password: 1234	Message will appear indicate Invalid Email or Password Please double-check the information you provided and try again.	Message will appear indicate Invalid Email or Password Please double-check the information you provided and try again.	Pass
TU04	Check functionality if the Company user doesn't have Account	1. Launch the website. 2. Locate the login page. 3. Click on Dont have an account? button	Email: Teqana@outlook.com password: 1234	Company User will be able to go to the signup page and create an account.	Company User will be able to go to the signup page and create an account .	Pass

Chapter 6

Chapter 6 (Testing):

6. Test case for the functionality of the menu Navigation.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of the menu Navigation when the user clicks "Home" or "TechnicalEvents" in the message page	1. Launch the website. 2. Locate the menu Navigation 3. Click on "Home" or "TechnicalEvents"	Website URL	The user should be redirected to the home page if they choose 'home' and to the technicalEvent page if they choose the technicalEvent	The user has been successfully redirected to the home page and the technicalEvent page	Pass

7. Test case for the functionality of the Image Picker

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of the Image Picker when the user clicks avatar in message page	1. Launch the website. 2. Locate the message pag 3. Click on Image Picker	Website URL	The user should be directed to their image files to select a picture and set it as avatar	The user has been successfully directed to their personal image files and the picture they chose has been set as avatar	Pass

Chapter 6

Chapter 6 (Testing):

8. Test case for the functionality of the logout button.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of the logout button when the user clicks "Yes" in the confirmation message.	<ol style="list-style-type: none">1. Launch the website.2. Locate the logout button.3. Click on the logout button.4. Verify that a confirmation message appears with the message "Are you sure you want to log out?"5. Click on the "Yes" option.	Website URL	user should be logged out and redirected to the welcome page.	user is successfully logged out and redirected to the page login page.	Pass
TU02	Check the functionality of the logout button when the user clicks "No" in the confirmation message.	<ol style="list-style-type: none">1. Launch the website.2. Locate the logout button.3. Click on the logout button.4. Verify that a confirmation message appears with the message "Are you sure you want to log out?"5. Click on the "No" option	Website URL	the user should remains on the current page	user remains on the current page.	Pass

Chapter 6

Chapter 6 (Testing):

9. Test case for the functionality of the Technical Event.

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status
TU01	Check functionality of the event page when the user clicks on the chosen event	<ol style="list-style-type: none">1. Launch the website.2. Locate the events button.3. Click on the event button.4. Click on the chosen event	Website URL	technical event information should appear	technical event information successfully appear	Pass

Chapter 6

Chapter 6 (Testing):

10. Test case for the functionality of the Technical Events register .

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	State
TU01	Check functionality of submit page when the user clicks on the submit button.	1. Launch the website. 2. Locate submit Button 3. Click on submit Button.	Website URL	user should be registered to the event and a confirmation message appears	user is successfully registered to the event and a confirmation message	Pass
TU02	Check functionality of back page when the user clicks on the back button.	1. Launch the website. 2. Locate back Button 3. Click on back Button.	Website URL	user should return to the previous page (technical events page)	user is successfully return to the previous page (technical events page)	Pass

https://previewer.adalo.com/e90fd124-c449-4fb9-b746-3767ff30002d?gl=1*16mplq6*_ga*MTcwNzQzODk4OC4xNzE1MjY1NzI1*_ga_SWT45DV35L*MTcxNTk2ODIxNy44LjEuMTcxNTk2ODIxOS41OC4wLjA

Chapter 6

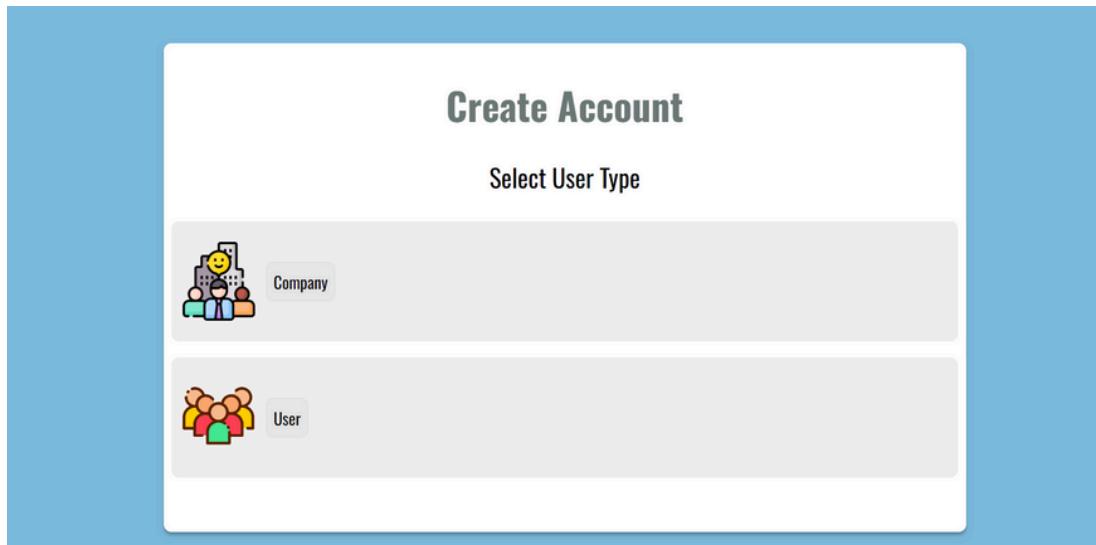
Chapter 6 (Evaluation):

Welcome page

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Teqana</title>
8      <!-- Google Font -->
9      <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Oswald:wght@300;400;500;600;700&display=sans-serif">
10     <!-- FontAwesome Icons -->
11     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">
12  <style>
13      body {
14          margin: 0;
15          padding: 0;
16          font-family: 'Oswald', sans-serif;
17          background: rgba(94, 170, 213, 0.82);
18      }
19      .container {
20          max-width: 1000px;
21          height: 600px;
22          margin: 0 auto;
23          margin-top: 3em;
24          padding: 10px;
25          position: relative;
26          background: white;
27          border-radius: 10px;
28          box-shadow: 0px 4px 4px rgba(0, 0, 0, 0.25);
29      }
30      h1 {
31          text-align: center;
32          color: #607977;
33          font-size: 3rem;
34      }
35      .button-section {
36          display: flex;
37          align-items: center; /* Aligns items vertically in the center */
38          background: rgba(217, 217, 217, 0.42);
39          border-radius: 10px;
40          padding: 10px;
41          margin: 20px 0;
42          font-size: 1.3rem; /* Adjusted font size */
43      }
44      .button-image {
45          width: 100px; /* Fixed width for the images */
46          height: auto;
47          margin-right: 10px; /* Space between image and text */
48      }
49      .button {
50          display: inline-block;
51          padding: 10px 20px;
52          background: #499FC5;
53          color: transparent;
54          border-radius: 5px;
55          text-align: center;
56          font-weight: bold;
57          transition: background-color 0.3s;
58      }
59      .button:hover {
60          background: #607977; /* Darker background on hover */
61      }
62      .button:active {
63          background: #607977; /* Even darker when active */
64          color: black; /* Keep text color white */
65      }
66      .section {
67          background: rgba(217, 217, 217, 0.42); /* Light background for sections */
68          border-radius: 10px;
69          padding: 10px;
70          margin: 40px 0; /* Spacing between sections */
71          text-decoration: none;
72          color: black; /* Keep text color white */
73          margin-top: 2em;
74      }
75  </style>
76  </head>
77  <body>
78
79      <div class="container">
80          <h1>Create Account</h1>
81          <div style="text-align: center; font-size: 2rem; /* Adjusted font size */">
82              <p>Select User Type</p>
83          </div>
84          <div class="button-section">
85               
86              <a href="creatCom.html" class="section">Company</a>
87          </div>
88          <div class="button-section">
89               
90              <a href="user" class="section">User</a>
91          </div>
92      </div>
93  </body>
94
```

Chapter 6

Chapter 6 (Evaluation):



Bad smells: Large Inline CSS

description : Embedding large amounts of CSS directly within the HTML file can hinder maintainability.

Refactoring : use external stylesheets to enhance readability and ease of maintenance.

Bad smells : Mixing CSS and HTML

description : CSS embedded in the same file as HTML code, leads to a decrease in maintainability and readability.

Refactoring : Separate CSS and HTML code into distinct files.

Bad smells: Image Alt Text

description: The alt attribute in the image tags should provide a clear description of the image for accessibility purposes

Refactoring: Using descriptive terms, such as "Company profile" and "User Profile Icon".

Bad smells: Button Styling

description : The button elements are styled to have a transparent text color (color: transparent;). This may not be intuitive for users and could cause readability issues

Refactoring : using a solid text color for better contrast.

Chapter 6

Chapter 6 (Evaluation)

Create Company account

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Teqana</title>
8
9   <!-- Google Fonts -->
10  <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Oswald:wght@300;400;500;600;700&display=swap">
11  <!-- FontAwesome Icons -->
12  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">
13
14 <style>
15   body {
16     margin: 0;
17     padding: 0;
18     font-family: 'Oswald', sans-serif;
19     background: rgba(0, 170, 213, 0.82);
20   }
21
22   .container {
23     max-width: 1000px; /* Limit width to fit within common screen sizes */
24     height: 600px;
25     margin: 0 auto; /* Center the container */
26     padding: 10px; /* Add padding */
27     background: white;
28     box-shadow: 0px 4px 4px rgba(0, 0, 0, 0.25); /* Subtle shadow */
29   }
30
31   .form-group {
32     display: flex; /* Use flexbox to align elements horizontally */
33     align-items: center; /* Center items vertically */
34     border-radius: 10px; /* Rounded corners */
35     padding: 10px; /* Padding for spacing */
36   }
37
38   .form-group label {
39     color: #4999C5; /* Text color for labels */
40     font-size: 2rem; /* Font size for labels */
41     flex: 1; /* Allow label to take available space */
42   }
43
44   .form-group input {
45     flex: 2; /* Allow input to take more space */
46     padding: 2px; /* Padding for input */
47     border-radius: 40px; /* Rounded corners */
48     font-size: 1rem; /* Consistent font size */
49     background: rgba(217, 217, 217, 0.42); /* Section background color */
50     block-size: 1.5em;
51     border-color: transparent;
52   }
53
54   .form-group img {
55     max-width: 40px; /* Limit image width */
56     height: 40px; /* Maintain aspect ratio */
57     margin-right: 10px; /* Space between input and image */
58     border-radius: 5px; /* Rounded corners */
59     box-shadow: none; /* Subtle shadow */
60   }
61
62   .submit-button {
63     height: 2.6em;
64     width: 10em;
65     padding: 20px;
66     margin-top: 40px;
67     text-align: center;
68     background-color: rgba(128, 128, 128, 0.5); /* Gray and transparent */
69     color: #fff;
70     border: none;
71     border-radius: 20px;
72     font-size: 20px;
73     font-family: 'Oswald', sans-serif;
74     text-align: center;
75   }
76
77   .submit-button:hover {
78     background-color: rgba(128, 128, 128, 0.7); /* Darker gray on hover */
79   }
80
81 </style>
82 </head>
83 <body>
84
85 <div class="container" style="margin-top: 1.7em">
86   <h1 style="font-size: 3em; text-align:center;>Create Account</h1>
87
88   <!-- Form-based approach with labeled inputs and images on the right -->
89   <form action="insertToCreate.php" method="post">
90
91     <div class="form-group">
92       <label for="name">Name:</label>
93       <input type="text" id="name" name="Name"> <!-- Text box -->
94        <!-- Image on the right -->
95     </div>
96
97     <div class="form-group">
98       <label for="email">Email:</label>
99       <input type="email" id="email" name="email"> <!-- Text box -->
100       <!-- Image on the right -->
101    </div>
102
103    <div class="form-group">
104      <label for="password">Password:</label>
105      <input type="password" id="password" name="password"> <!-- Text box -->
106       <!-- Image on the right -->
107    </div>
108
109    <div class="form-group">
110      <label for="linkedin">LinkedIn URL:</label>
111      <input type="text" id="linkedin" name="linkedin"> <!-- Text box -->
112       <!-- Image on the right -->
113    </div>
114
115    <div class="form-group">
116      <label for="x">X URL:</label>
117      <input type="text" id="x" name="x"> <!-- Text box -->
118       <!-- Image on the right -->
119    </div>
120
121    <div class="form-group">
122      <label for="facebook">Facebook URL:</label>
123      <input type="text" id="facebook" name="facebook"> <!-- Text box -->
124       <!-- Image on the right -->
125    </div>
126
127    <input type="submit" value="SIGNUP" class="submit-button">
128  </form>
129 </div>
130 </body>
131 </html>
```

Chapter 6

Chapter 6 (Evaluation): Create Account

The screenshot shows a 'Create Account' form with the following fields:

- Name: [Input field] [User icon]
- Email: [Input field] [Email icon]
- Password: [Input field] [Lock icon]
- LinkedIn URL: [Input field] [LinkedIn icon]
- X URL: [Input field] [X icon]
- Facebook URL: [Input field] [Facebook icon]

Below the input fields is a grey button labeled 'SIGNUP'.

Bad smells: Large Inline CSS

description : Embedding large amounts of CSS directly within the HTML file can hinder maintainability.

Refactoring : use external stylesheets to enhance readability and ease of maintenance.

Bad smells : Mixing CSS and HTML

description : CSS embedded in the same file as HTML code, leads to a decrease in maintainability and readability.

Refactoring : Separate CSS and HTML code into distinct files.

Bad smells: Button Styling

description : The button elements are styled to have a transparent text color (color: transparent;). This may not be intuitive for users and could cause readability issues.

Refactoring : using a solid text color for better contrast.

Bad smells: page name

description : The account name 'Create Account' used on the homepage may cause confusion for the user

Refactoring : Use "Sign Up" or "Register" for better declaration.

Chapter 6

Chapter 6 (Evaluation):

```
1 <div style="width: 100vw; height: 100vh; position: relative; background: #5EAAD5">
2   <div style="width: 340px; height: 108px; left: -24px; top: 35px; position: absolute; text-align: center; color: white; font-size: 64px; font-family: Oswald; font-weight: 400; word-wrap: break-word">Teqanah</div>
3
4   <div style="width: 244px; height: 40px; left: 12px; top: 185px; position: absolute; background: rgba(255, 255, 255, 0.21); border-radius: 1000px"></div>
5
6   <div style="width: 910px; height: 530px; left: 277px; top: 22px; position: absolute; background: white; box-shadow: 0px 4px 4px rgba(0, 0, 0, 0.25); border-radius: 54px"></div>
7
8   <div style="width: 574px; height: 481px; left: 960px; top: 460px; position: absolute; color: black; font-size: 20px; font-family: Outfit; font-weight: 400; word-wrap: break-word">Power Points</div>
9
10  <div style="width: 27px; height: 25px; left: 1056px; top: 340px; position: absolute; background: rgba(128.57, 234.77, 249.25, 0.42); border-radius: 999px"></div>
11
12  <div style="width: 2395px; height: 530px; Left: 60px; top: 190px; position: absolute; color: white; font-size: 20px; font-family: Outfit; font-weight: 400; word-wrap: break-word">Home</div>
13
14  <div style="width: 203px; height: 530px; Left: 60px; top: 320px; position: absolute; color: white; font-size: 20px; font-family: Outfit; font-weight: 400; word-wrap: break-word">Discusion space</div>
15
16  <div style="Left: 60px; top: 253px; position: absolute; color: white; font-size: 20px; font-family: Outfit; font-weight: 400; word-wrap: break-word">Messages</div>
17
18  <div style="width: 2395px; height: 530px; Left: 60px; top: 390px; position: absolute; color: white; font-size: 20px; font-family: Outfit; font-weight: 400; word-wrap: break-word">Technical events</div>
19
20  
21
22  
23
24  
25
26  <div style="width: 229px; height: 67px; Left: 25px; top: 460px; position: absolute; background: rgba(38.72, 47.44, 49.35, 0.21); border-radius: 1826px"></div>
27
28  <div style="left: 90px; top: 470px; position: absolute; text-align: center; color: white; font-size: 30px; font-family: Oswald; font-weight: 400; word-wrap: break-word">Logout</div>
29
30  <div style="width: 3209px; height: 1105px; Left: 294px; top: 80px; position: absolute; color: #499FC5; font-size: 45px; font-family: Outfit; font-weight: 500; word-wrap: break-word">About Us</div>
31
32  <div style="width: 540px; height: 169px; Left: 336px; top: 140px; position: absolute; background: #ECECEC; border-radius: 65px"></div>
33
34  <div style="width: 539px; height: 241px; Left: 336px; top: 160px; position: absolute; text-align: center; color: black; font-size: 18px; font-family: Outfit; font-weight: 300; word-wrap: break-word">Welcome to Teqanah, the ultimate hub for computer specialists. We facilitate seamless communication and collaboration, unlocking unprecedented opportunities for growth and advancement within the computer community. Join us today and expand your network with like-minded professionals.</div>
35
36  
37
38  
39
40  
41
42  <div style="width: 528.50px; height: 0px; Left: 935px; top: 22px; position: absolute; transform: rotate(90deg); transform-origin: 0 0; border: 1px black solid"></div>
43
44  
45
46  <div style="width: 733px; height: 530px; Left: 58%; top: 54%; transform: translate(-50%, -50%); position: absolute; text-align: right; color: black; font-size: 20px; font-family: Outfit; font-weight: 300; word-wrap: break-word">Company Name</div>
47
48  <div style="width: 733px; height: 530px; Left: 56%; top: 60%; transform: translate(-50%, -50%); position: absolute; text-align: right; color: #555555; font-size: 15px; font-family: Outfit; font-weight: 400; word-wrap: break-word">Email</div>
49
50  <div style="width: 4800px; height: 530px; Left: 943px; top: 175px; position: absolute; color: #499FC5; font-size: 30px; font-family: Outfit; font-weight: 500; word-wrap: break-word">Jan 2024</div>
51
52  <title>Calendar</title>
53
54  <style>
55    .calendar {
56      position: absolute;
57      left: 960px;
58      top: 220px;
59    }
60    .calendar table {
```

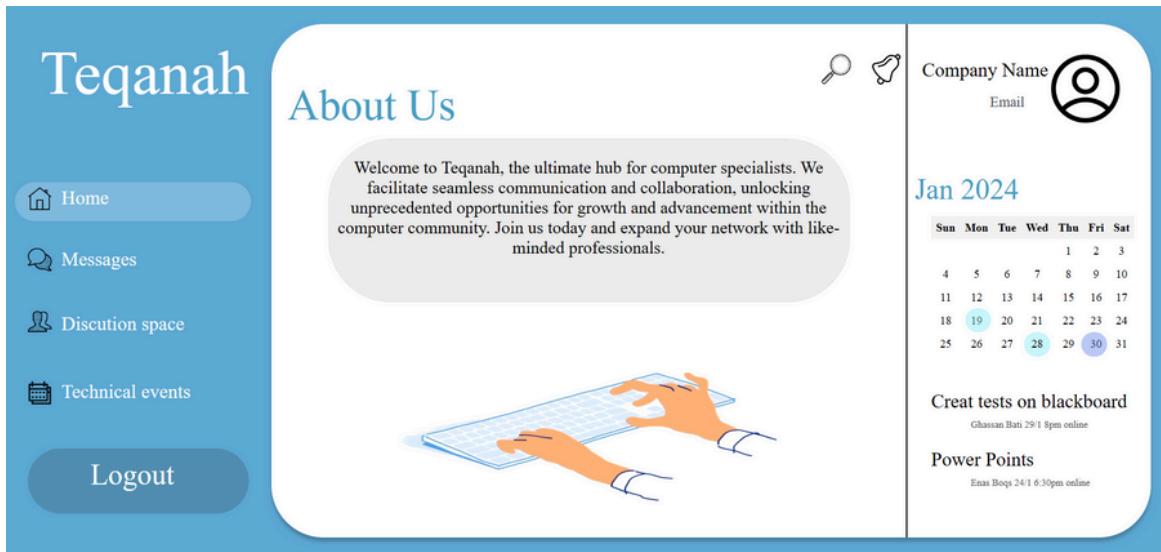
Chapter 6

Chapter 6 (Evaluation):

```
96     border-collapse: collapse;
97     font-size: 12px;
98   }
99   .calendar th, .calendar td {
100     padding: 5px;
101     text-align: center;
102     border: none;
103   }
104   .calendar th {
105     background-color: #f2f2f2;
106   }
107   </style>
108
109 </head>
110 <body>
111   <div class="calendar">
112     <table>
113       <tr>
114         <th>Sun</th>
115         <th>Mon</th>
116         <th>Tue</th>
117         <th>Wed</th>
118         <th>Thu</th>
119         <th>Fri</th>
120         <th>Sat</th>
121       </tr>
122       <tr>
123         <td></td>
124         <td></td>
125         <td></td>
126         <td></td>
127         <td>1</td>
128         <td>2</td>
129         <td>3</td>
130       </tr>
131       <tr>
132         <td>4</td>
133         <td>5</td>
134         <td>6</td>
135         <td>7</td>
136         <td>8</td>
137         <td>9</td>
138         <td>10</td>
139       </tr>
140       <tr>
141         <td>11</td>
142         <td>12</td>
143         <td>13</td>
144         <td>14</td>
145         <td>15</td>
146         <td>16</td>
147         <td>17</td>
148       </tr>
149       <tr>
150         <td>18</td>
151         <td>19</td>
152         <td>20</td>
153         <td>21</td>
154         <td>22</td>
155         <td>23</td>
156         <td>24</td>
157       </tr>
158       <tr>
159         <td>25</td>
160         <td>24</td>
161       </tr>
162       <tr>
163         <td>25</td>
164         <td>26</td>
165         <td>27</td>
166         <td>28</td>
167         <td>29</td>
168         <td>30</td>
169       </tr>
170     </table>
171   </div>
172   <div style="width: 27px; height: 25px; left: 1115px; top: 340px; position: absolute; background: rgba(94, 132, 236, 0.42); border-radius: 9999px"></div>
173   <div style="width: 27px; height: 25px; left: 995px; top: 315px; position: absolute; background: rgba(128.57, 234.77, 249.25, 0.42); border-radius: 9999px"></div>
174   <div style="width: 574px; height: 481px; left: 960px; top: 400px; position: absolute; color: black; font-size: 20px; font-family: Outfit; font-weight: 400; word-wrap: break-word">Create tests on blackboard</div>
175   <div style="width: 232px; height: 481px; left: 1001px; top: 430px; position: absolute; color: #555555; font-size: 10px; font-family: Outfit; font-weight: 400; word-wrap: break-word">
176     Ghassan Bati 29/1 8pm online</div>
177   <div style="width: 232px; height: 481px; left: 1001px; top: 490px; position: absolute; color: #555555; font-size: 10px; font-family: Outfit; font-weight: 400; word-wrap: break-word">
178     Enas Boqs 24/1 6:30pm online</div>
179   </div>
```

Chapter 6

Chapter 6 (Evaluation): Company Homepage



Bad smells: Inline Styling

description : The styles are directly applied inline using the style attribute.

Refactoring : separate the styles into an external CSS file or use internal stylesheets with <style> tags in the <head> section for better maintainability and separation of concerns.

Bad smells: Image URLs

description : The image URLs are hardcoded using external image sources.

Refactoring : Host the images locally or use appropriate image assets within your project to ensure reliability and faster loading times.

Bad smells: No Comments

description : The code lacks comments to explain its purpose, structure, or any complex logic involved.

Refactoring : Adding comments can improve code readability and help other developers understand the codebase.

Bad smells: Lack of Responsive Design

description : The code does not account for responsiveness or adaptability to different screen sizes.

Refactoring : consider responsive design principles and ensure that the calendar displays well on various devices and viewport sizes.

Chapter 6

The problems we faced:

- In Adalo only has one data base for the user, and we have two users, which causes us a problem when we create account in one user, the second will not allow us to create account .**
- Lack of time and inability to conduct meetings sufficiently.**
- We had difficulty using inheritance in Database.**
- We had difficulty also in the time mangement because of the short time we had.**

Chapter 6

The demo of our website



<https://drive.google.com/file/d/1wgXcKBJkWpxezdcXS9heEIJNs1cgH7vP/view?usp=drivesdk>

Chapter 6

References

- Chapters
- [https://youtu.be/CbC3j7cFkM0?
si=Rb46T99J6MEDNgj9](https://youtu.be/CbC3j7cFkM0?si=Rb46T99J6MEDNgj9)
- [https://www.figma.com/team_invite/redeem/qbVSCPD
Y2skPwhEDfNI1B1](https://www.figma.com/team_invite/redeem/qbVSCPDY2skPwhEDfNI1B1)
- <https://www.builder.io/c/docs/import-from-figma>
- <https://help.adalo.com/database>
- previous projects