Software Engineering
Iteration 2

"Society Sphere"

Team Name: Quasar Trio

Members:

Muhammad Ahsan   21I-0786 (Project Leader)

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Section: G

Date of Submission: 16th, February;2024

Student Signature: *Ahsan*   *Usman*   *Fatima*

Marks:

Remarks:

Teacher Signature:

User Stories:

- ❖ As a society leader, I want to access the "Manage Society' feature, so that I can add new members, make new announcements.
- ❖ As a society event organizer, I want to access the "Create Event" feature, so I can start the process of organizing a new event.
- ❖ As a member of society, I want to take part in society events so I can help the growth of society.

Structured specification:

1.User story:

As a society leader, I want to access the "Manage Society' feature, so that I can add new members, make new announcements.

Sub User stories:

- As a society leader, I want to assign specific roles to members, such as president, vice president, etc., to distribute responsibilities.
- As a society leader, I want to use the "Manage Posts" feature, so I can create, edit, or remove posts in society.
- As a society leader, I want to schedule announcements to be posted at specific dates and times, to ensure timely communication with society members.

2.User story:

As a society event organizer, I want to access the "Create Event" feature, so I can start the process of organizing a new event.

Sub User stories:

- As a society event organizer, I want to fill out a form with necessary details such as event name, description, date, time, location, etc. when creating a new event, to provide information to potential participants.
- As a society event organizer, I want to create event reminders to remind participants of the event date, time, and location.
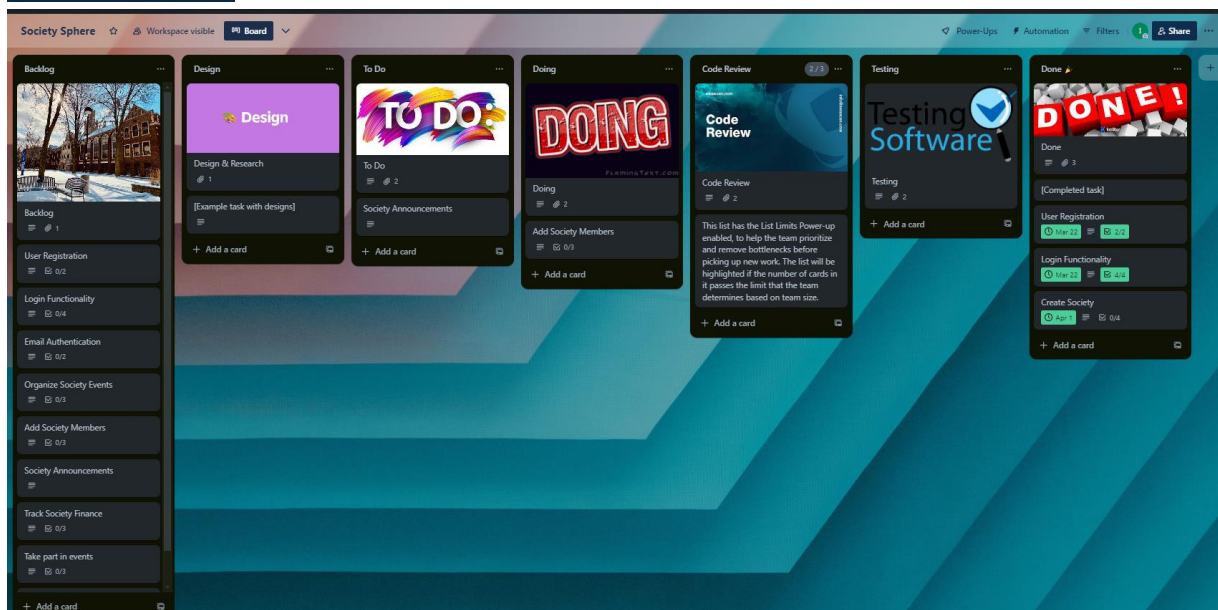- As a society event organizer, I want to see event feedback to evaluate event success for future improvements.
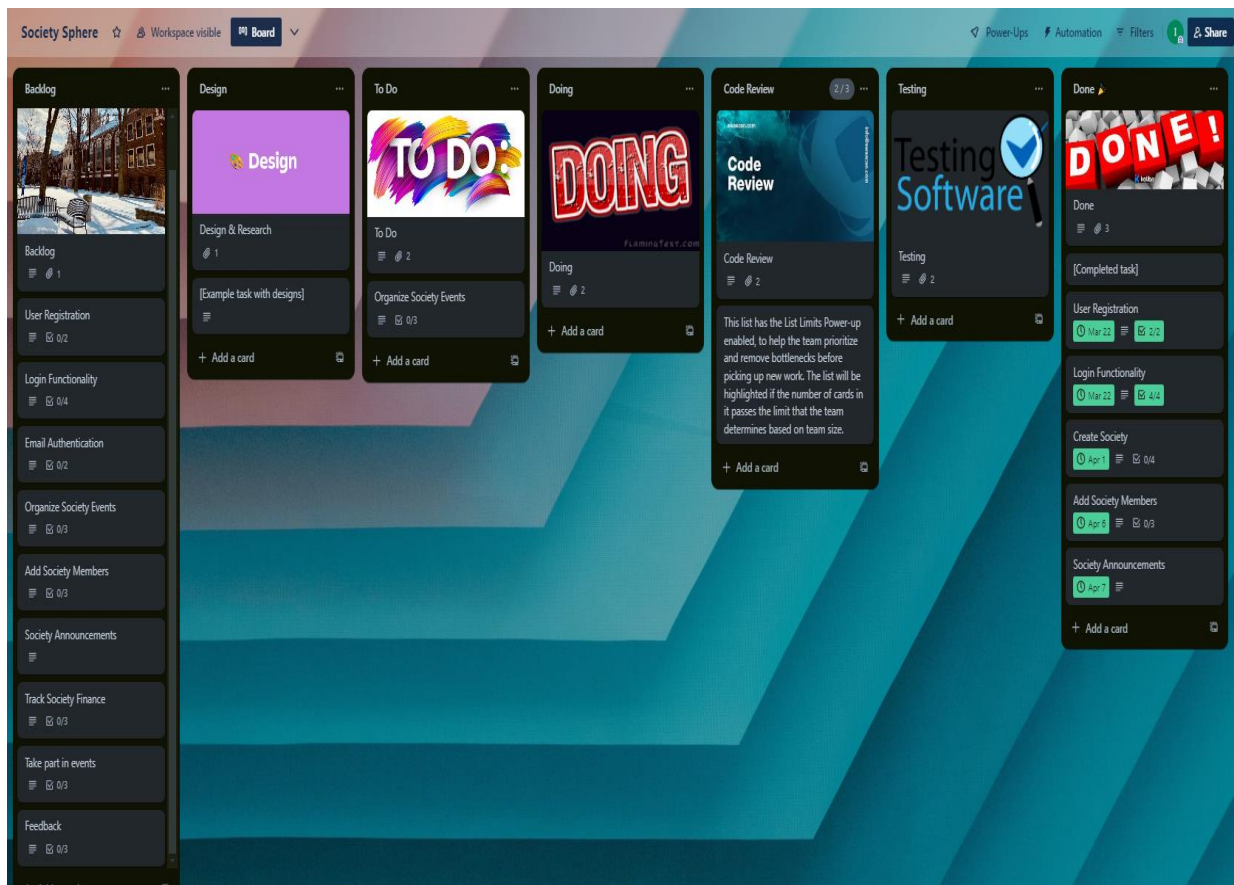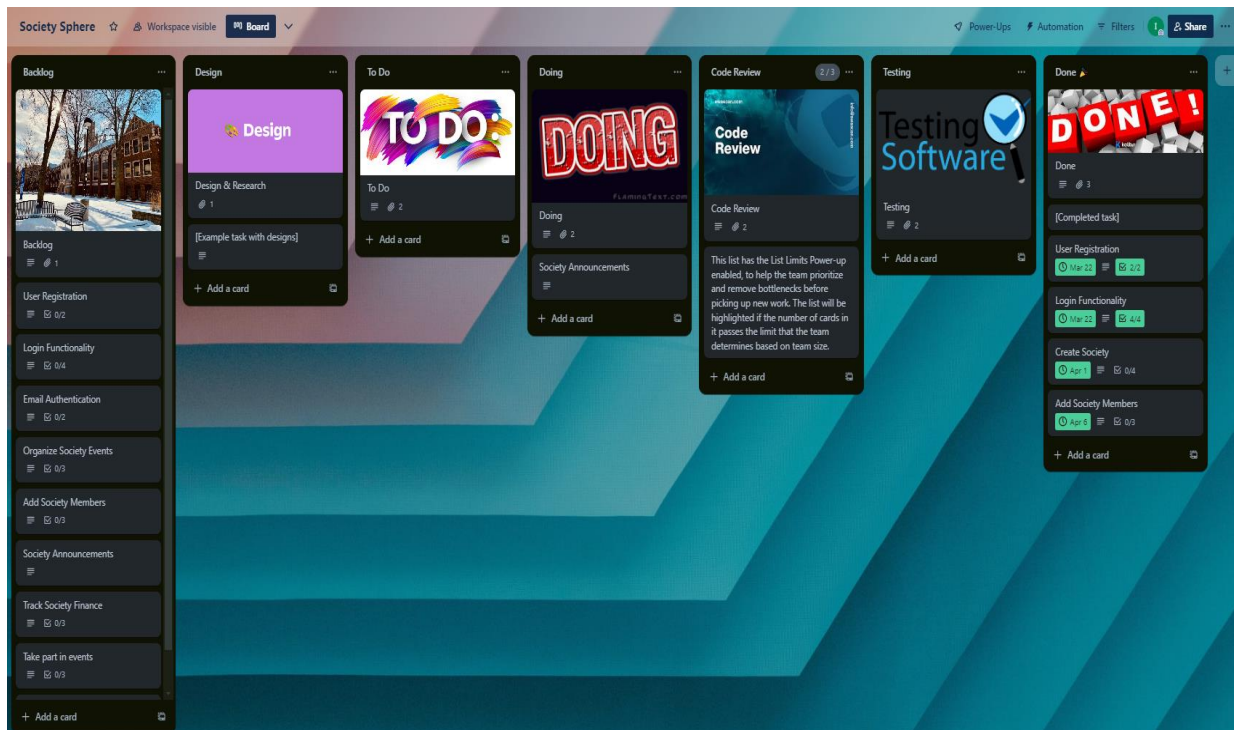
3.User story:

As a member of society, I want to take part in society events.
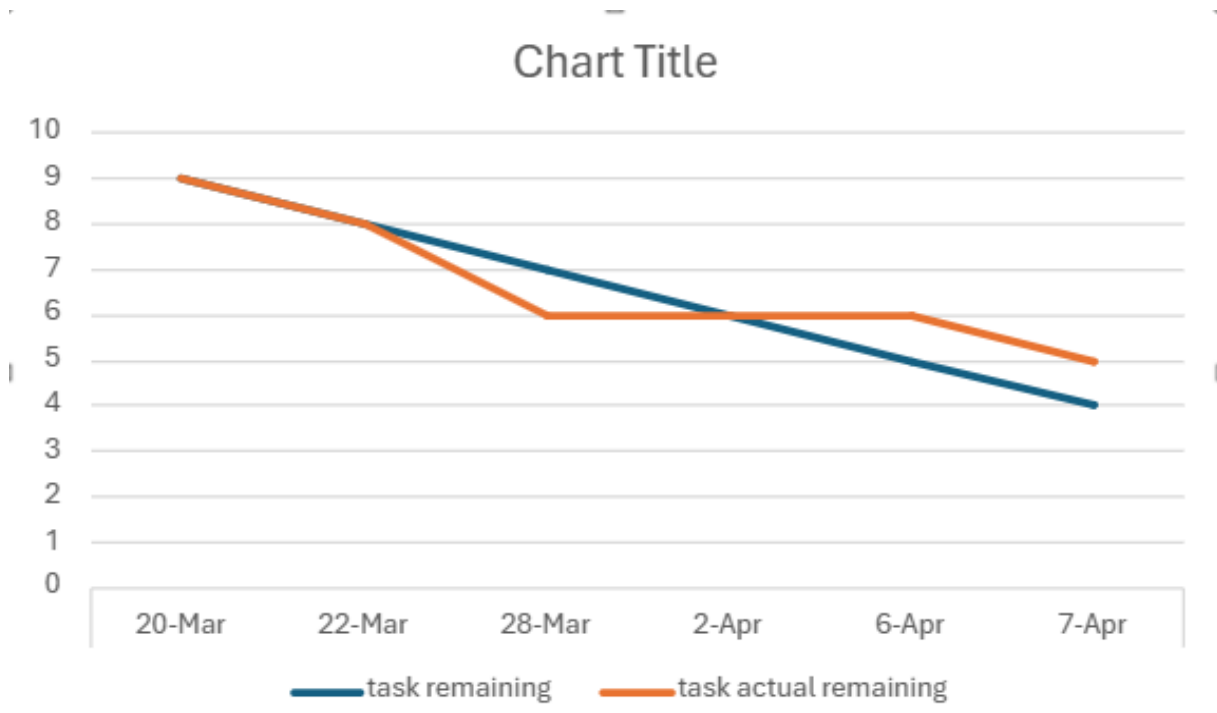
Sub User Stories

- As a member, I want to be notified via emails about upcoming events.
- As a member, I want to ensure smooth registrations for society events online so that management is easier.
- As a member, I want to gain access to all prior event information and future events.
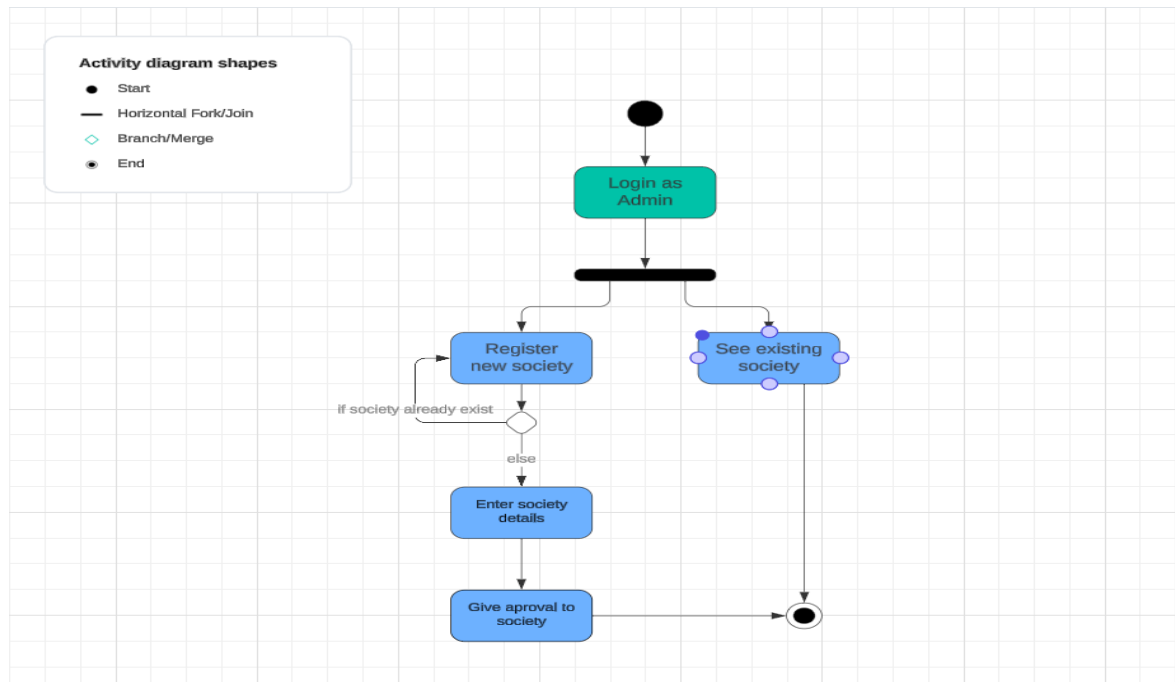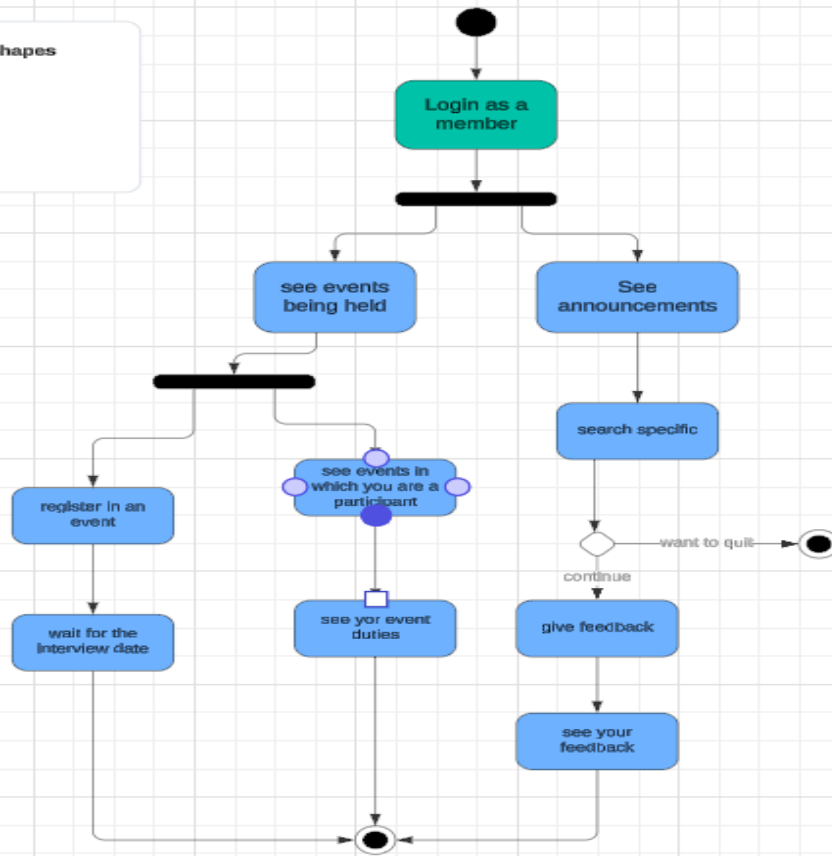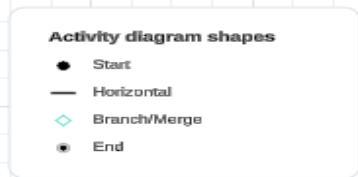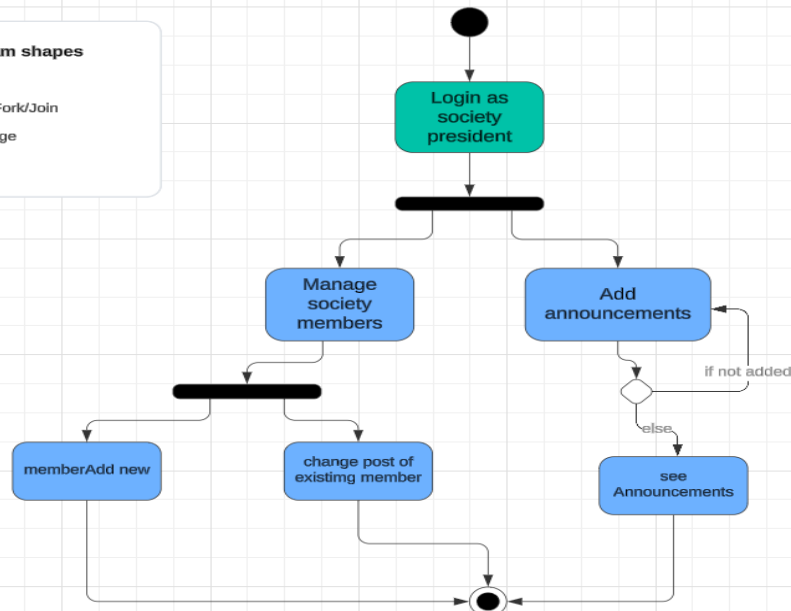
Scrum Board:

Burn Down Chart:

Chart Title

task remaining   task actual remaining

Design:

Activity Diagram:

Activity diagram shapes
- Start
- Horizontal Fork/Join
- Branch/Merge
- End

Login as Admin

Register new society

See existing society

if society already exist

else

Enter society details

Give aproval to society

Activity diagram shapes

- ● Start
- ─ Horizontal Fork/Join
- ◇ Branch/Merge
- ◉ End

Login as society president

Manage society members

Add announcements

if not added

else

memberAdd new

change post of existimg member

see Announcements

Activity diagram shapes

- ● Start
- ─ Horizontal
- ◇ Branch/Merge
- ◉ End

Login as a member

see events being held

See announcements

register in an event

see events in which you are a participant

search specific

want to quit

continue

wait for the interview date

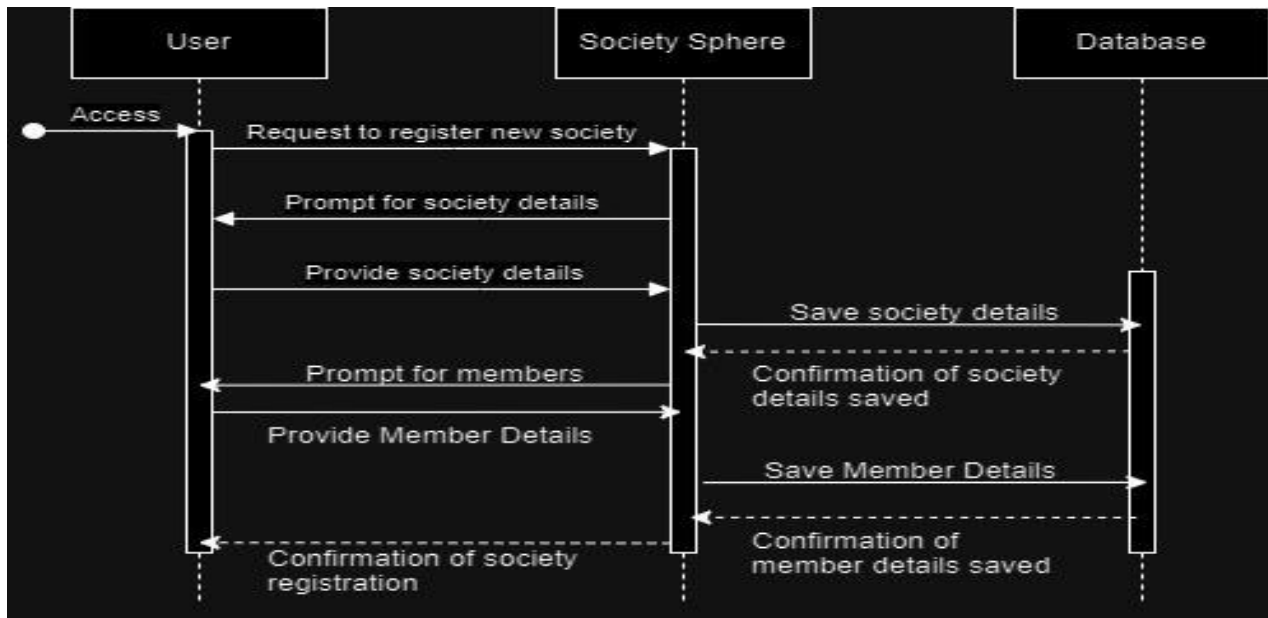see yor event duties

give feedback
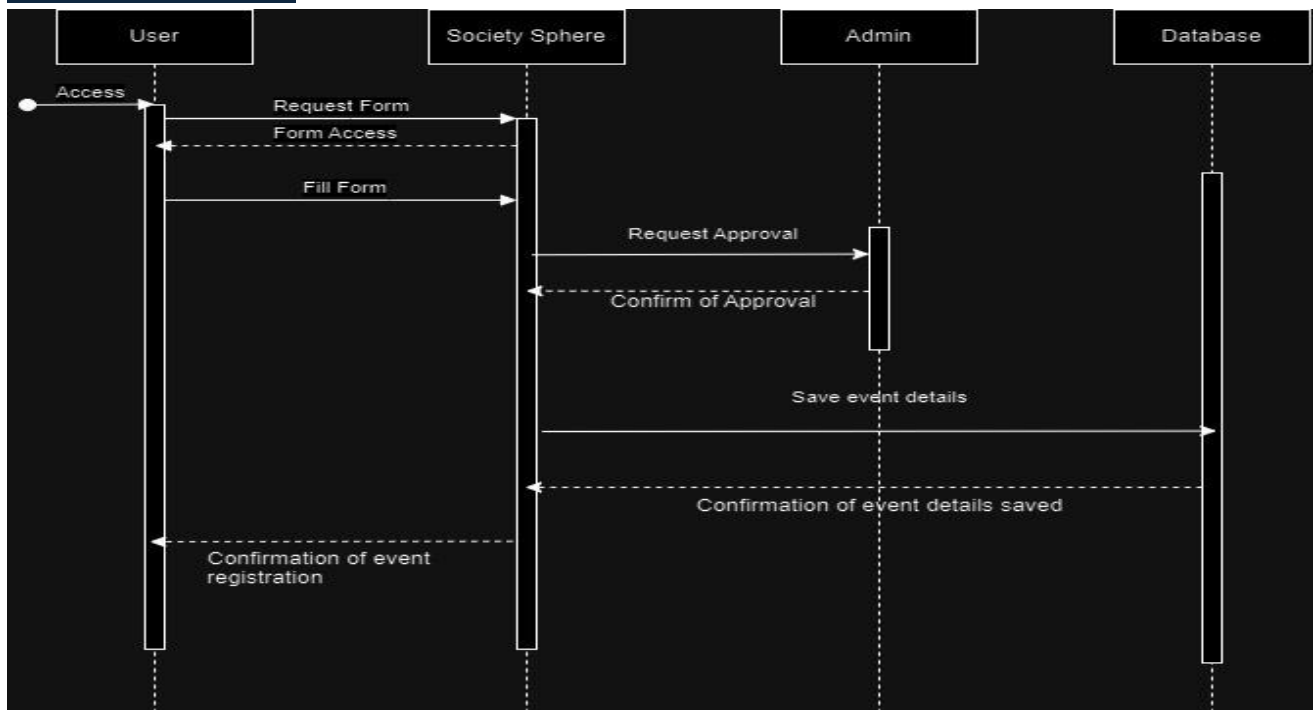
see your feedback

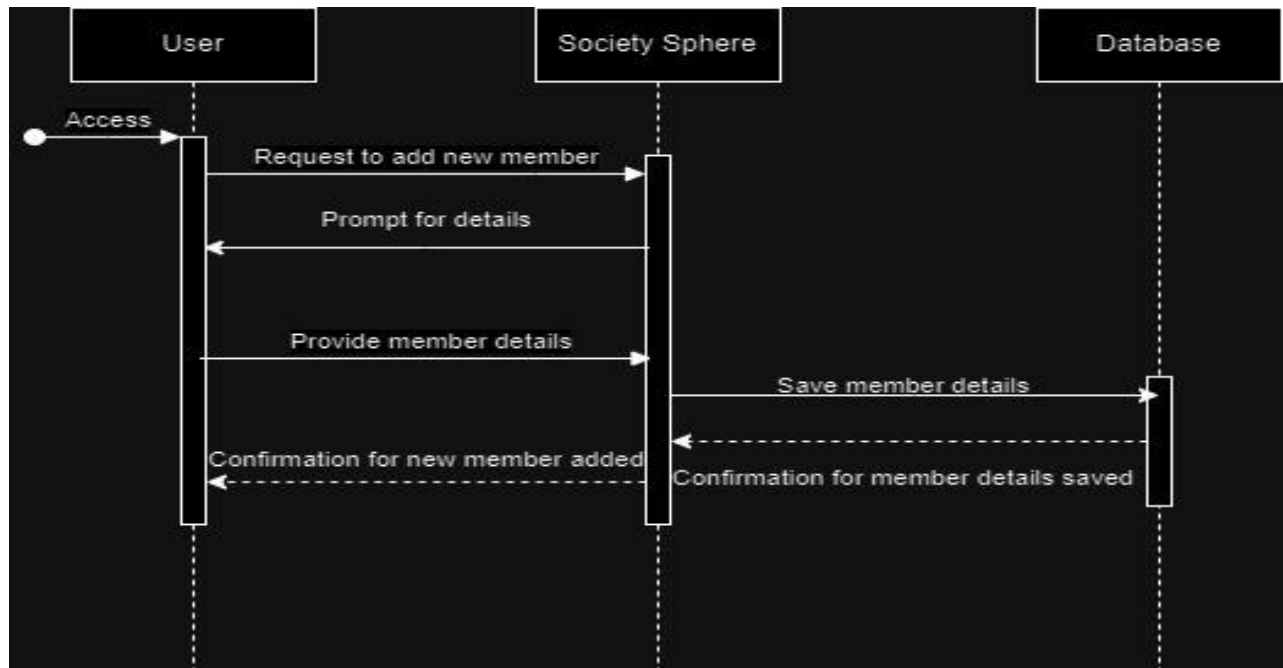# Use case diagram:

Sequence diagram:
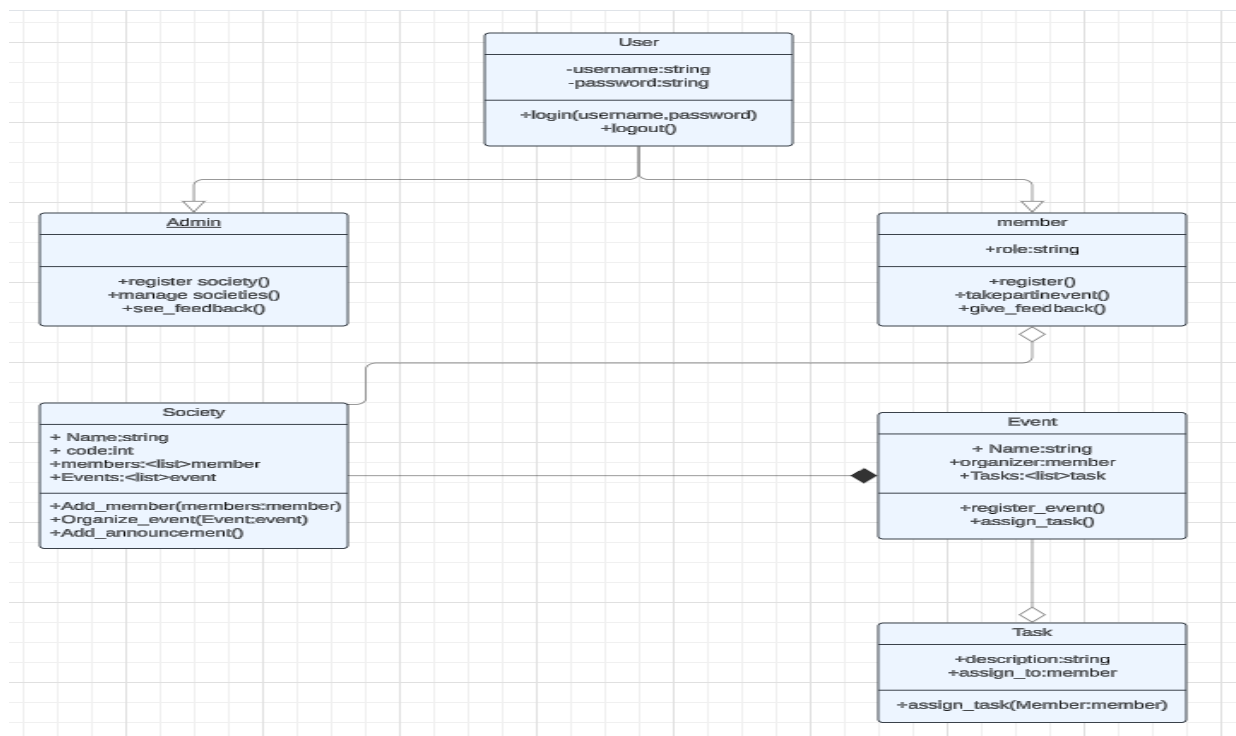
Register Society:

Register an event:

Add new member:
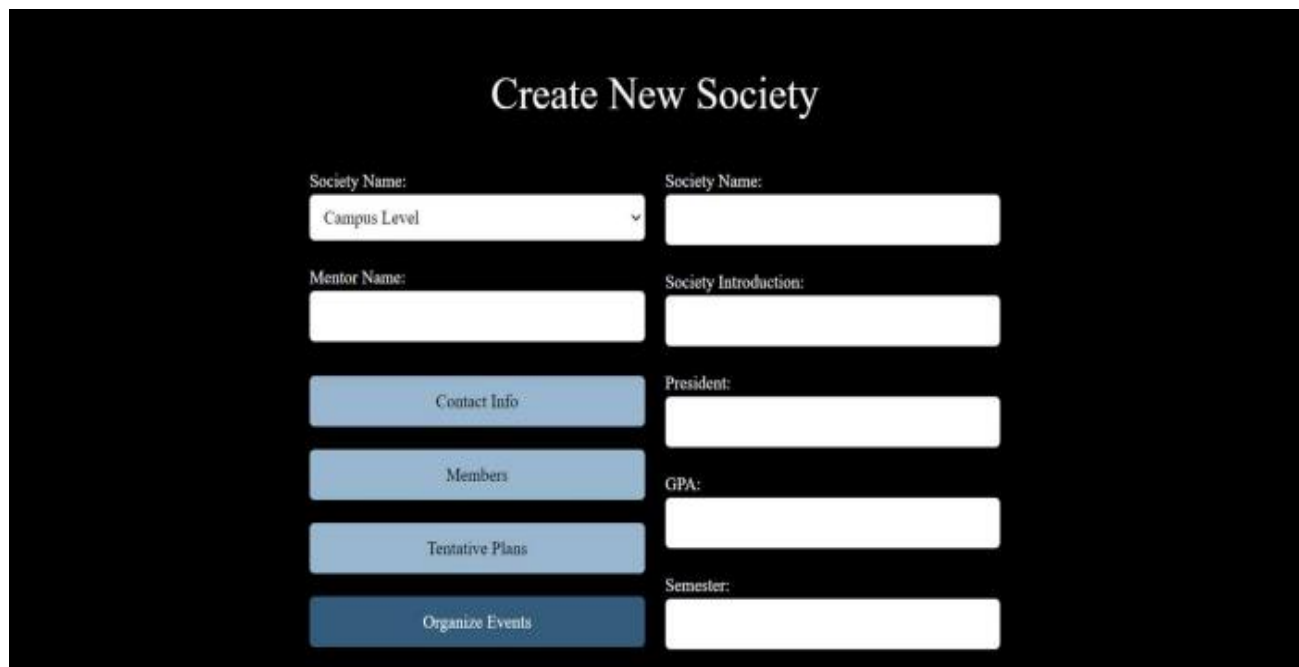
Class diagram:

Architecture:

The **MRV** architecture can be beneficial in our scenario of managing societies of universities

- MRV architecture, each layer is independent and can be developed and tested separately
- MRV architecture eases unit testing and integration testing because each layer can be tested independently.
- MRV architecture can provide many benefits in terms of maintainability, scalability, testability, and flexibility, making it a suitable choice for your project of managing societies of universities.

Implementation pics:

Event Organizer

Event Name:

Event Date:

dd/mm/yyyy

Event Time:

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Event Location:

Event Description:

Event Description:

Create Event

Event Name

Date: DD/MM/YYYY

Time: HH:MM AM/PM

Location: Event Location

Description: Event Description

Event Registration

Full Name

Email Address

Event Name

Number of Participants

Register

Society Announcements

Write your announcement here...

Post Announcement

Work Division:

Name	Work Done
Muhammad Ahsan	User stories along with their substories, Activity diagrams, document, Database creation for the implementation of iteration 2.
Muhammad Usman	Use case diagram, class diagram Backend code of the implementation of iteration 2
Fatima Saad Naik	Sequence diagrams Front end pages of the implementation of iteration 2