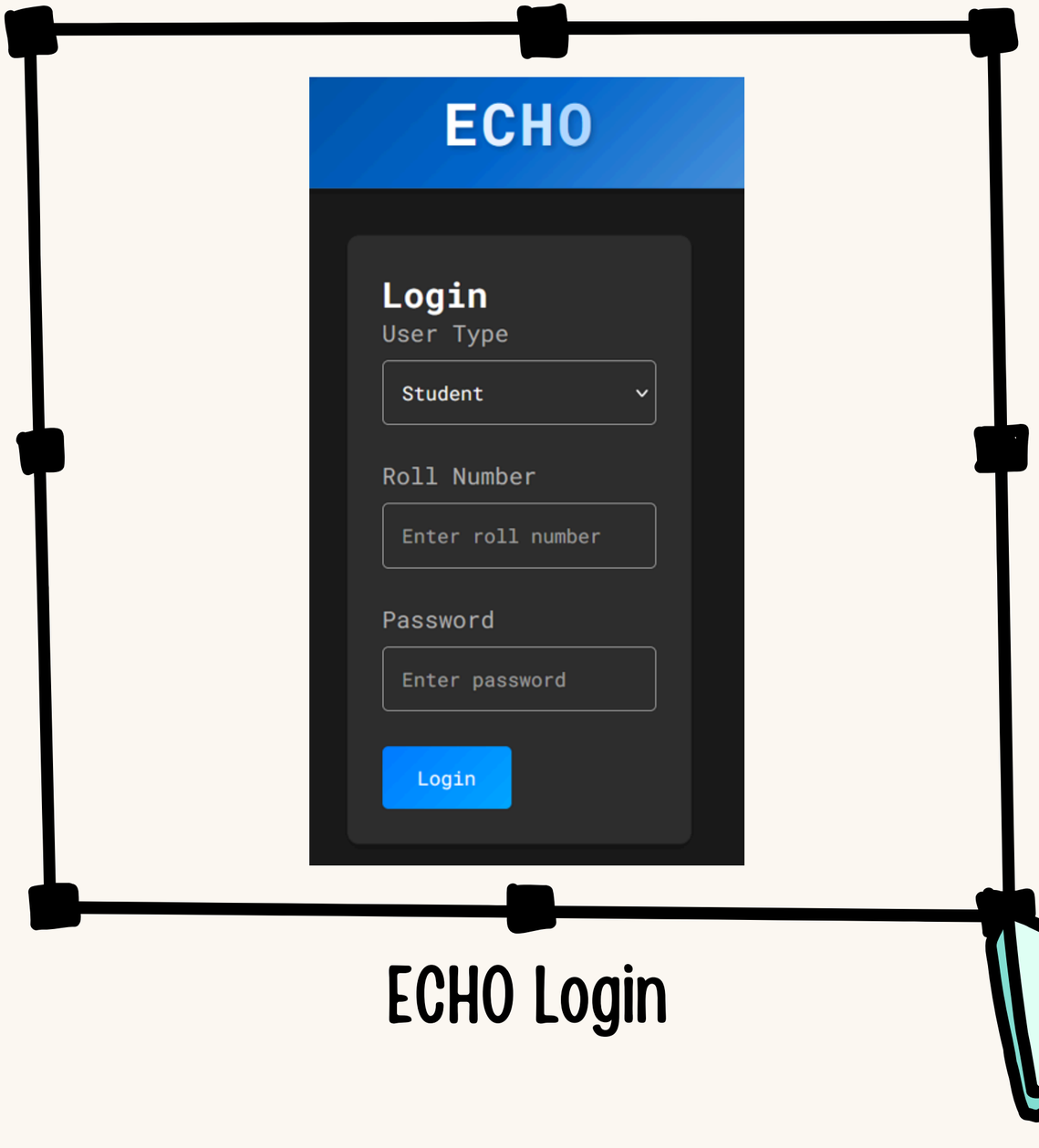
Presentation by Ahmed Murtaza Malik

FAST NU ECHO

Contents

1. Introduction
2. Architecture
3. Project Planner
4. User Stories
5. Testing
6. Further Improvements
7. Conclusion



ECHO Login

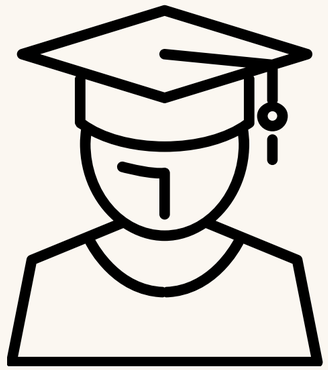
Introduction

Echo is an app that automates all functions related to student societies in FAST Islamabad Campus.

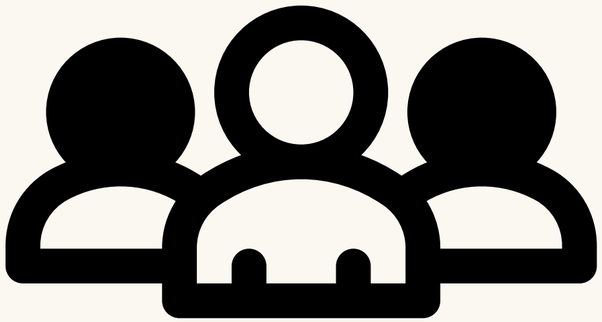
It has 3 actors: Students, Societies & Admins.

It also acts as a social media app with features like posts & comments.

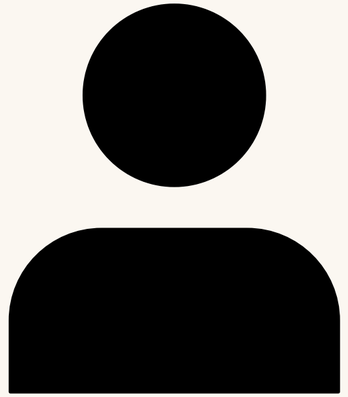
ACTORS



STUDENTS



SOCIETIES



ADMINISTRATORS

PROJECT ARCHITECTURE

3 - Tier Architecture

PRESENTATION (SERVER)

APPLICATION (CLIENT)

DATABASE

PROJECT PLANNERS

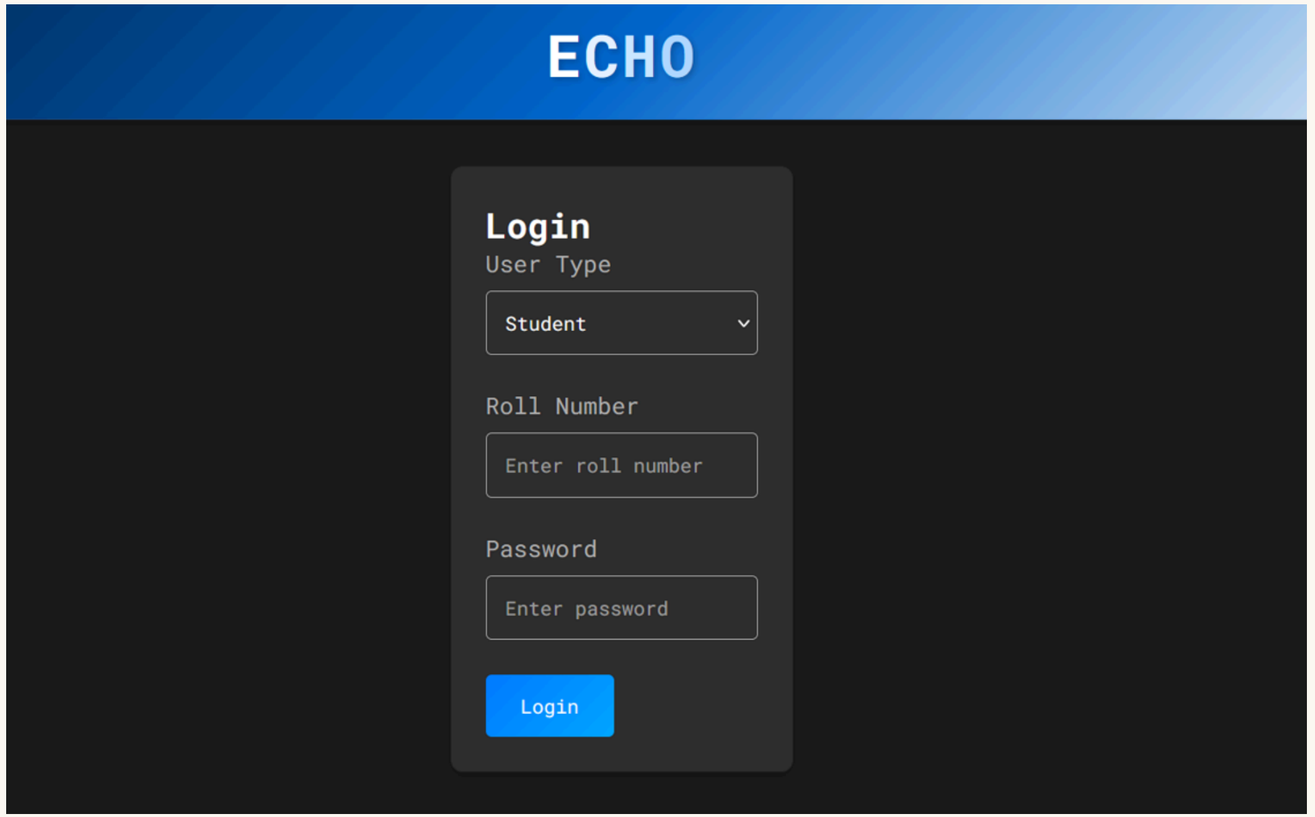
Date	Backlog Item	Task	Assignee
March 13	User Story 1	Login/Signup	Hamza
March 14	User Story 2	Comment on a post	Murtaza
March 15	User Story 3	Moderate comments	Murtaza
March 16	User Story 4	Delete comment	Hamza
March 17	User Story 5	Check application status	Hamza
March 18	User Story 6	Cancel application	Murtaza
March 19	User Story 7	Manage applications	Hamza
March 20	User Story 8	Leaving confirmation	Ataa
March 21	User Story 9	Member history tracking	Ataa

Date	Backlog Item	Task	Assignee
April 16	User Story 10	Edit post	Ataa
April 17	User Story 11	Delete post	Murtaza
April 18	User Story 12	Remove post	Murtaza
April 19	User Story 13	Attach file to post	Murtaza
April 20	User Story 14	Update profile picture	Hamza
April 21	User Story 15	Update bio	Hamza
April 22	User Story 16	Change password	Hamza
April 23	User Story 17	Schedule announcement	Ataa
April 24	User Story 18	Assign roles	Ataa

Date	Backlog Item	Task	Assignee
May 1	User Story 20, 21, 23	Venue bookings	Hamza
May 2	User Story 19	View role in society	Murtaza
May 3	User Story 22	Receive reminders	Murtaza
May 4	User Story 24	View list of societies	Hamza

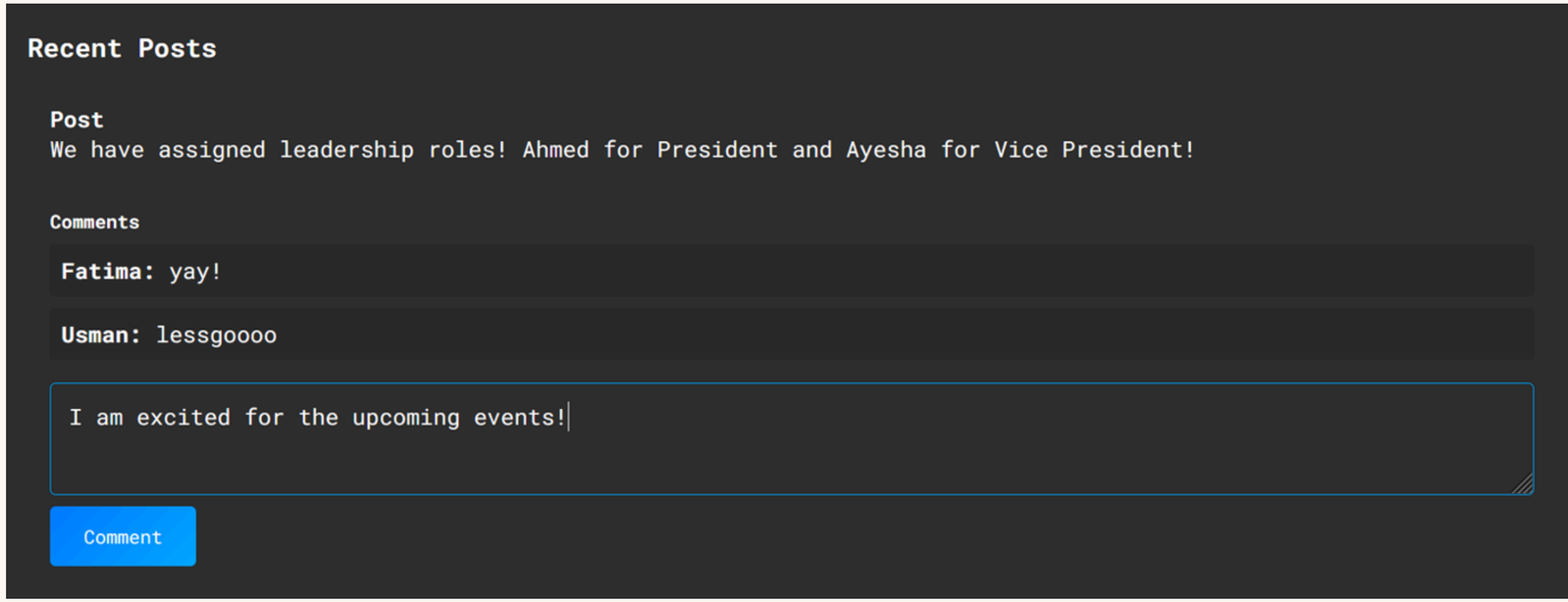
USER STORY 1

As a user, I want to securely log in or sign up with email/password, so that I can access the platform with role-based permissions.



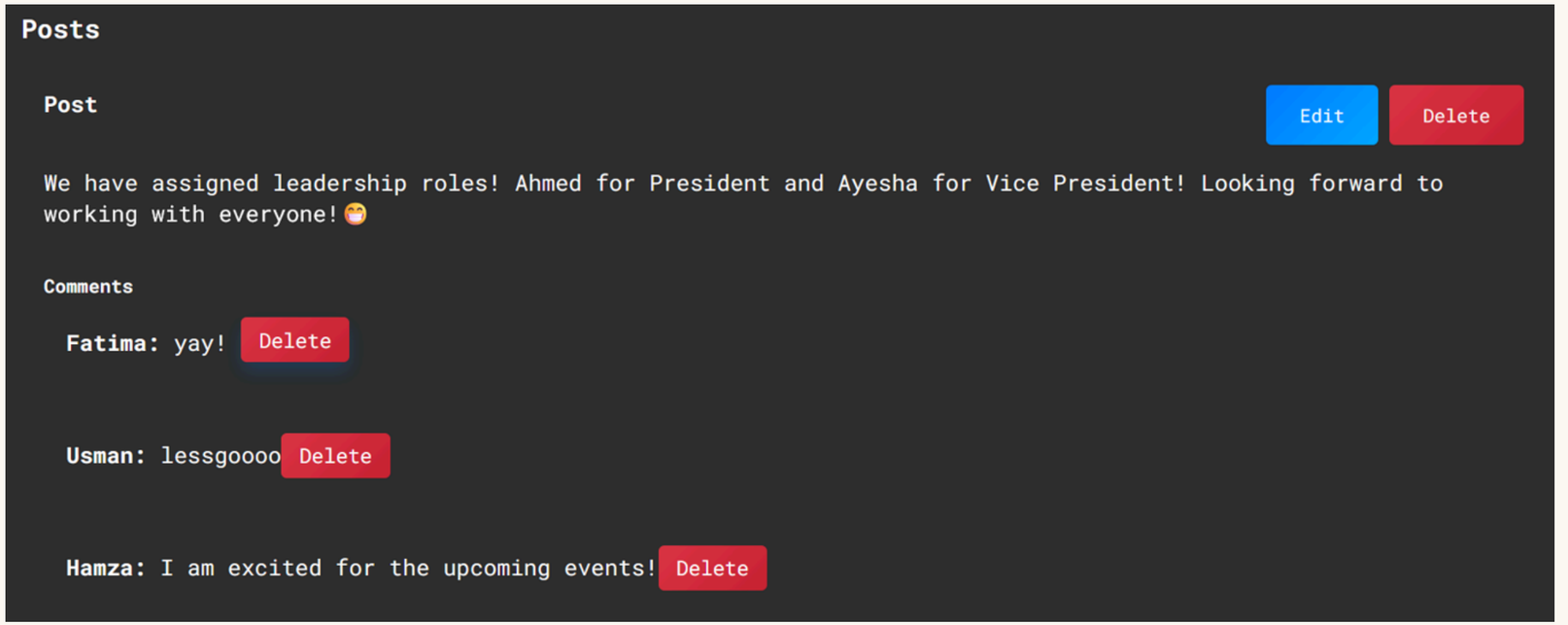
USER STORY 2

As a student, I want to comment on a post so that I can express my opinion.



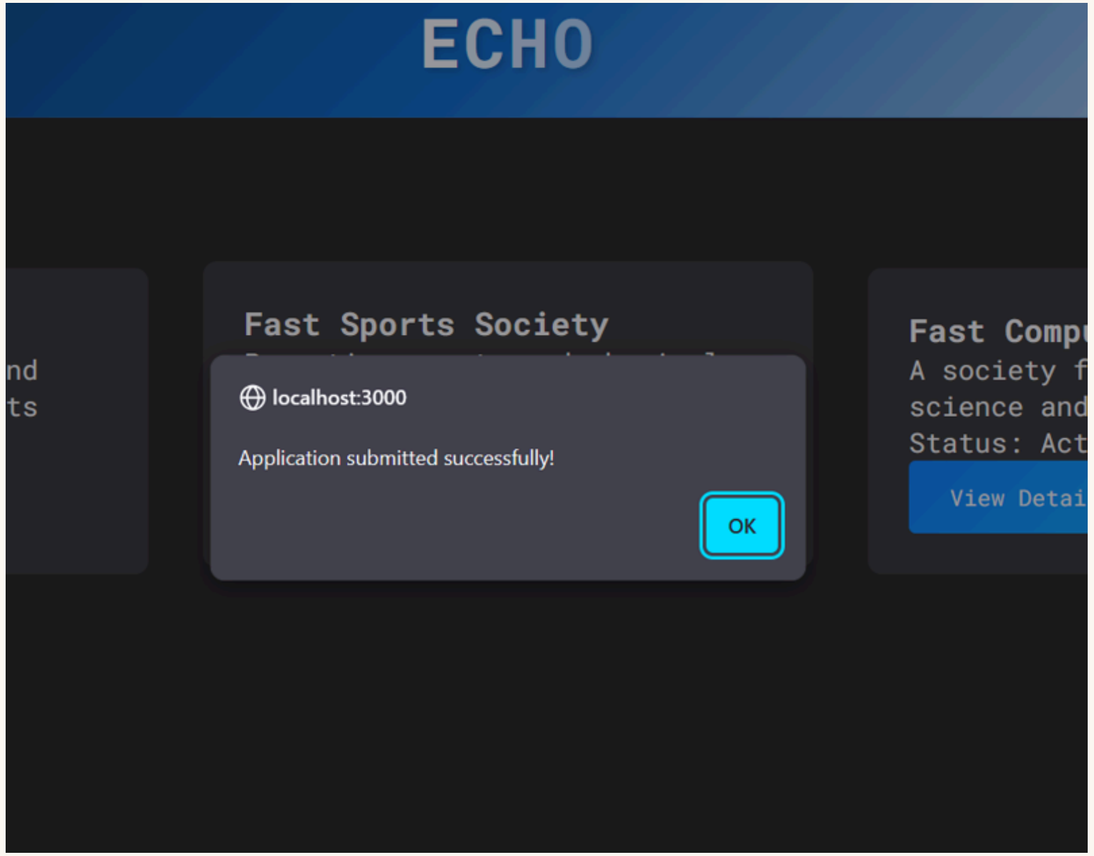
USER STORY 3

As a society, I want to moderate comments on my posts so that I can ensure only appropriate content is displayed.



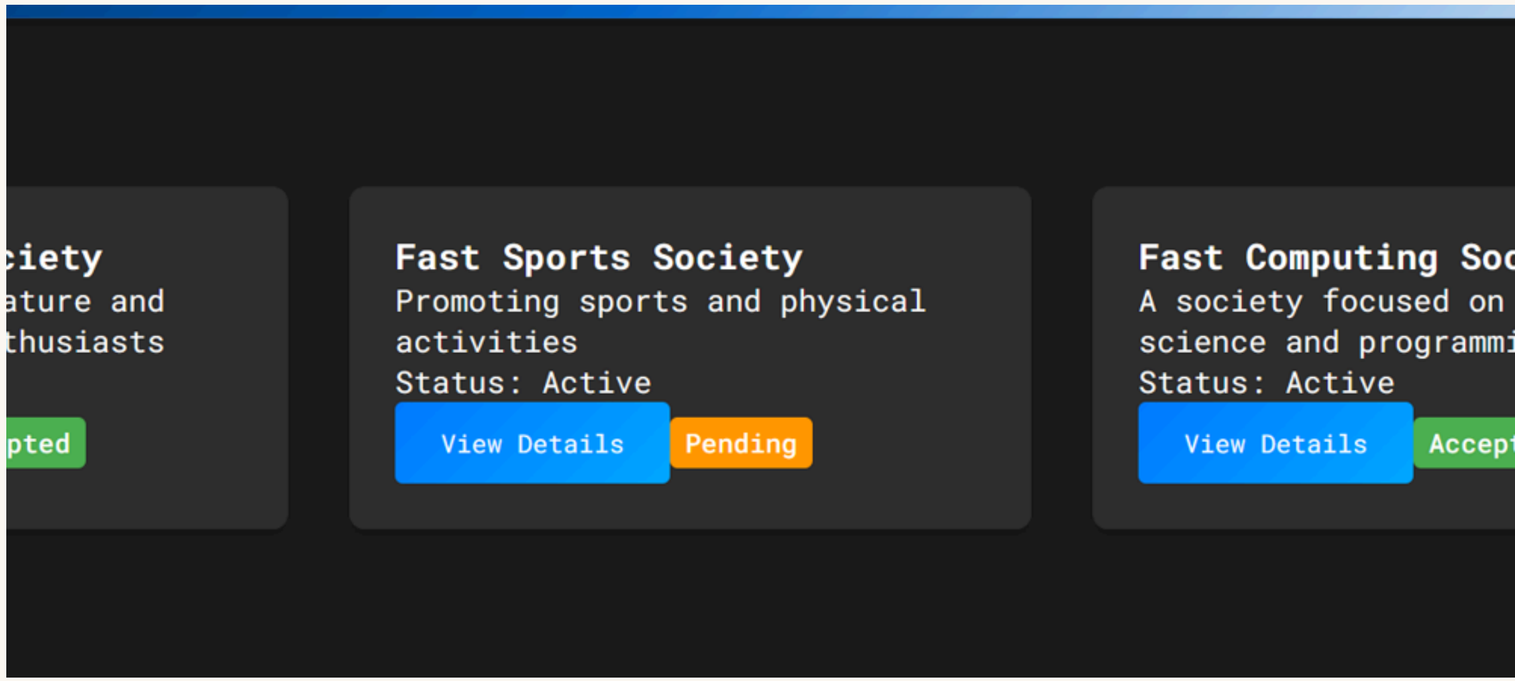
USER STORY 4

As a student, I want to delete my comment so that I can remove outdated or unnecessary remarks.



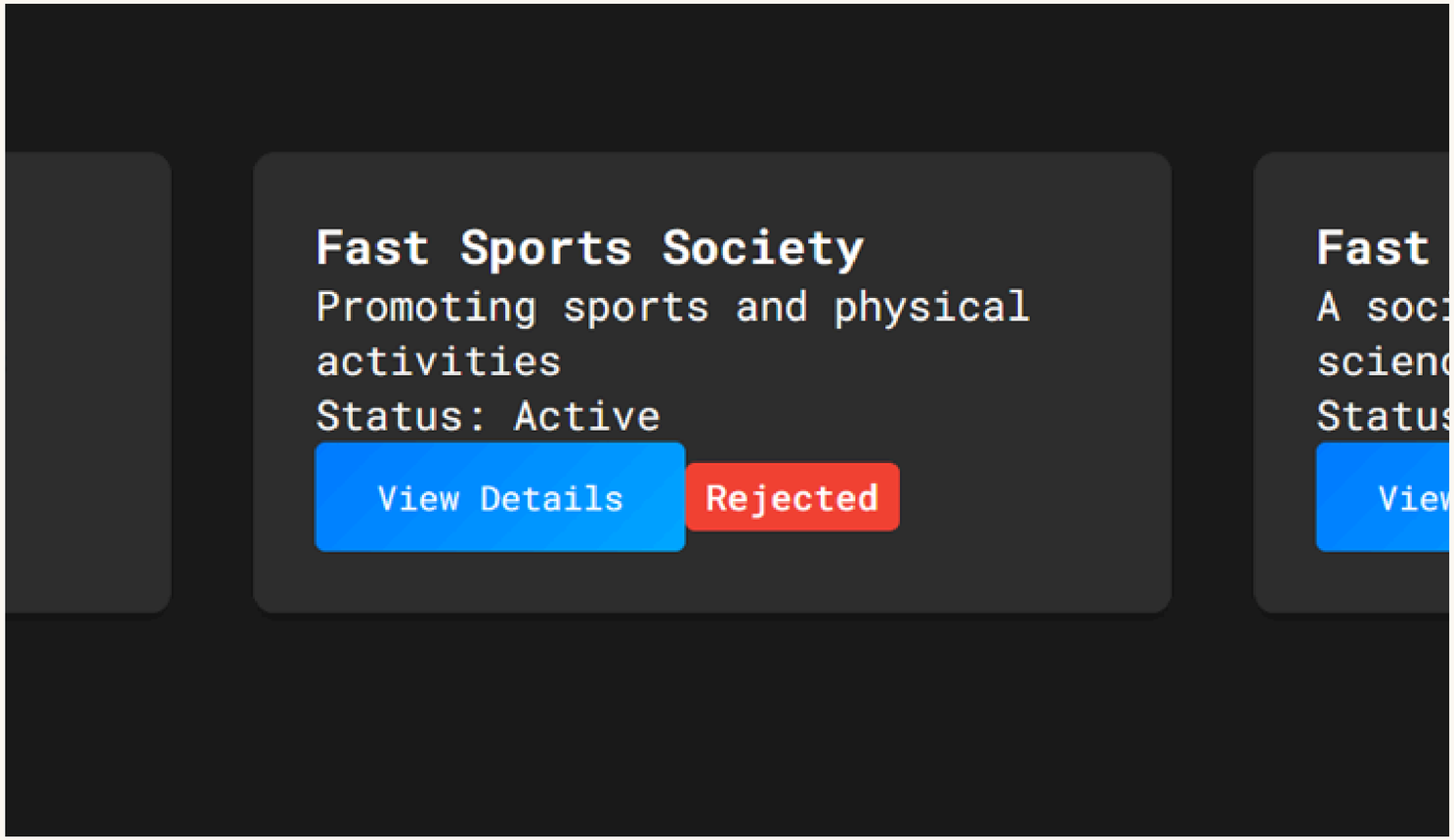
USER STORY 5

As a student, I want to check my application status so that I know if I've been accepted.



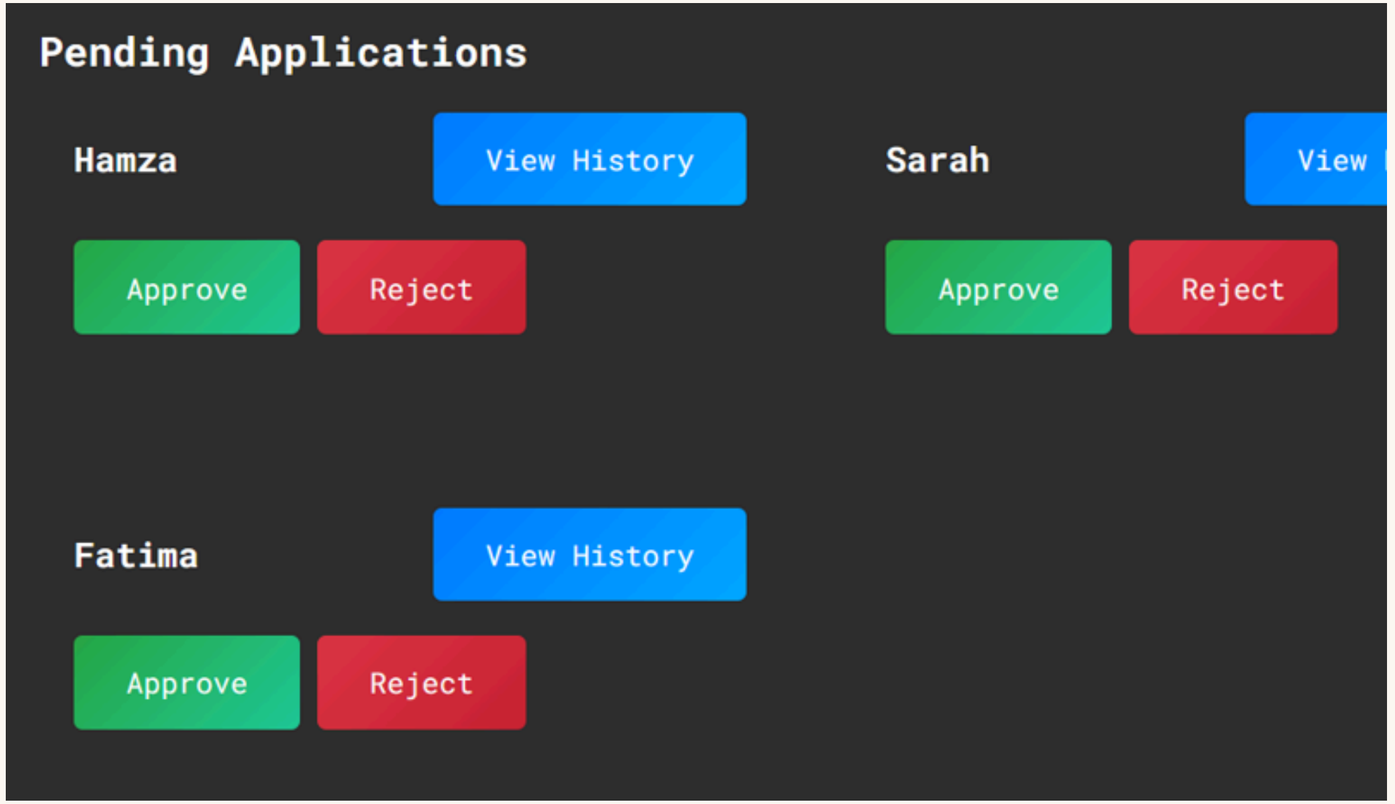
USER STORY 6

As a student, I want to cancel my application so that I can apply elsewhere or change my mind.



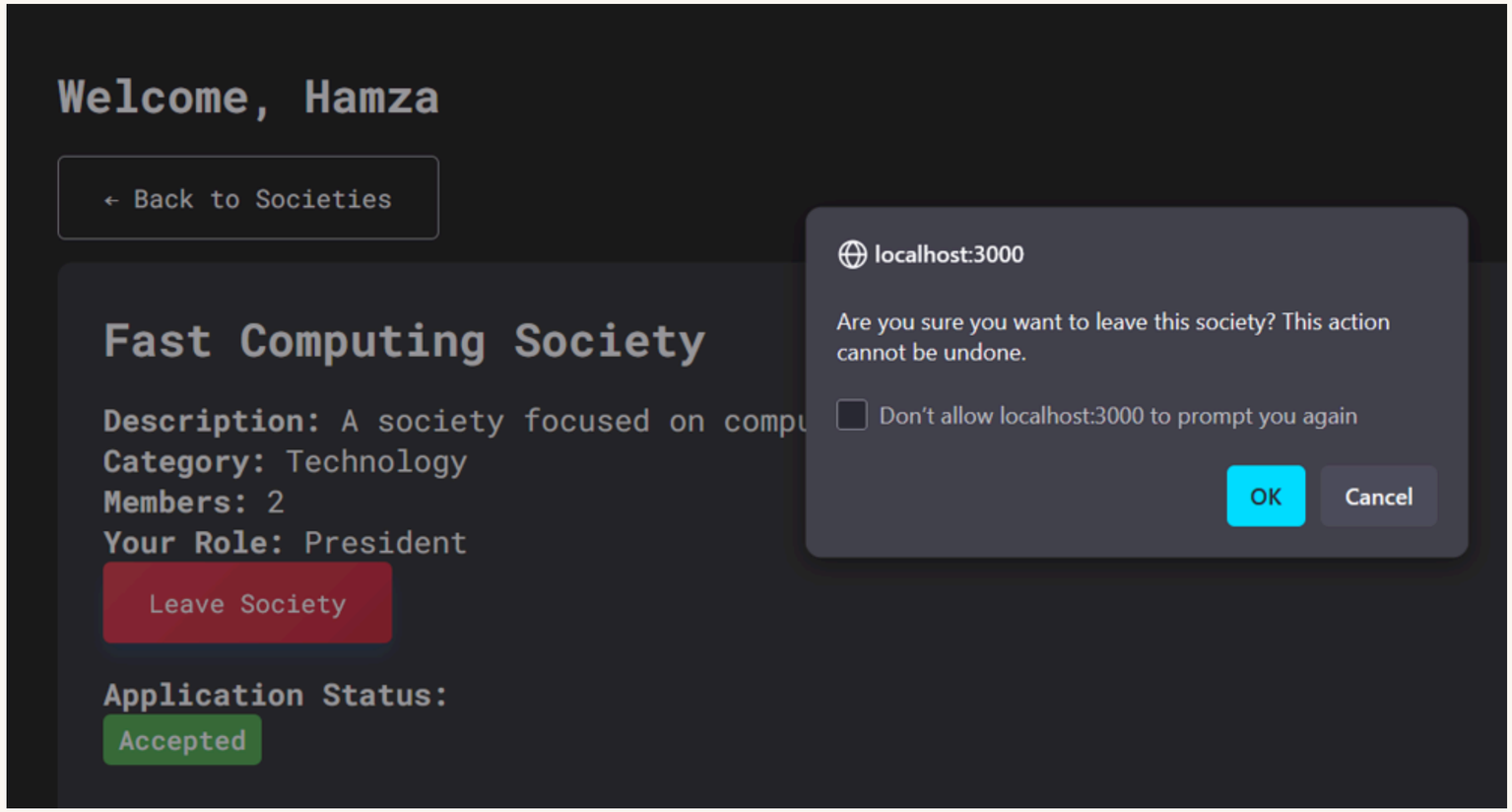
USER STORY 7

As a society, I want to review and approve/reject membership applications so that I control who joins.



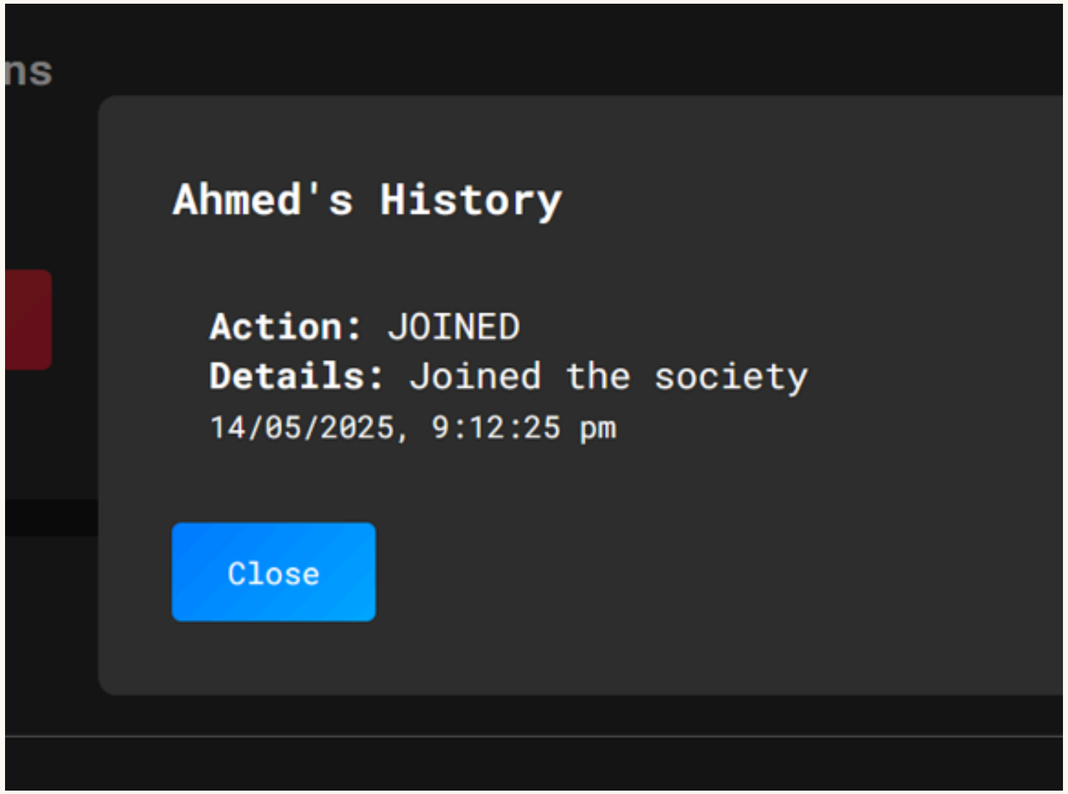
USER STORY 8

As a student, I want to receive a confirmation prompt before leaving a society so that I don't leave by mistake.



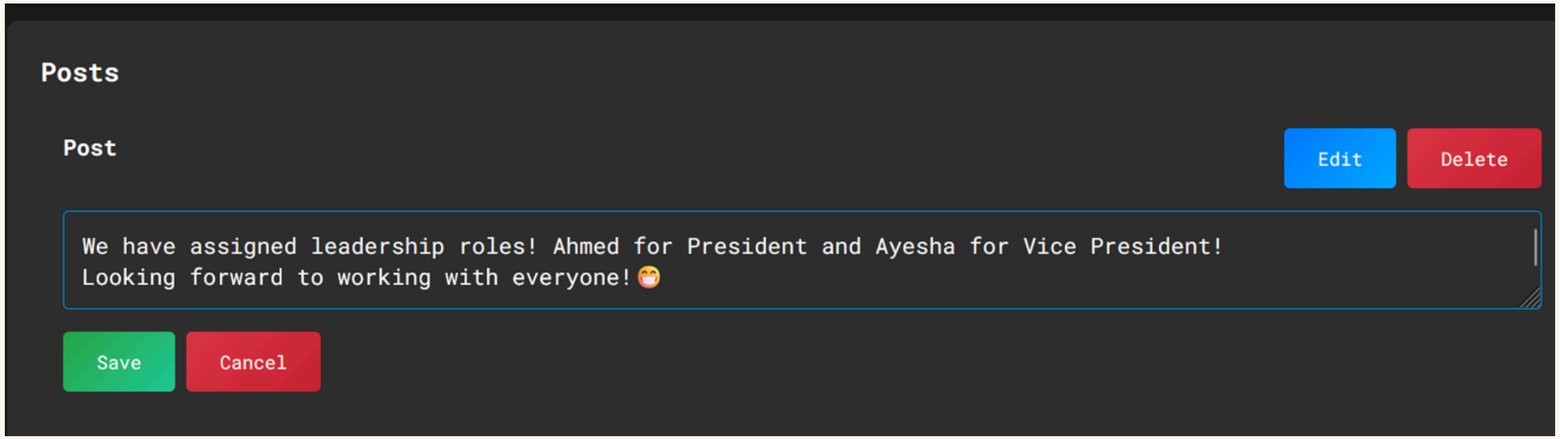
USER STORY 9

As a society, I want to track the history of members who left so that I can maintain records.



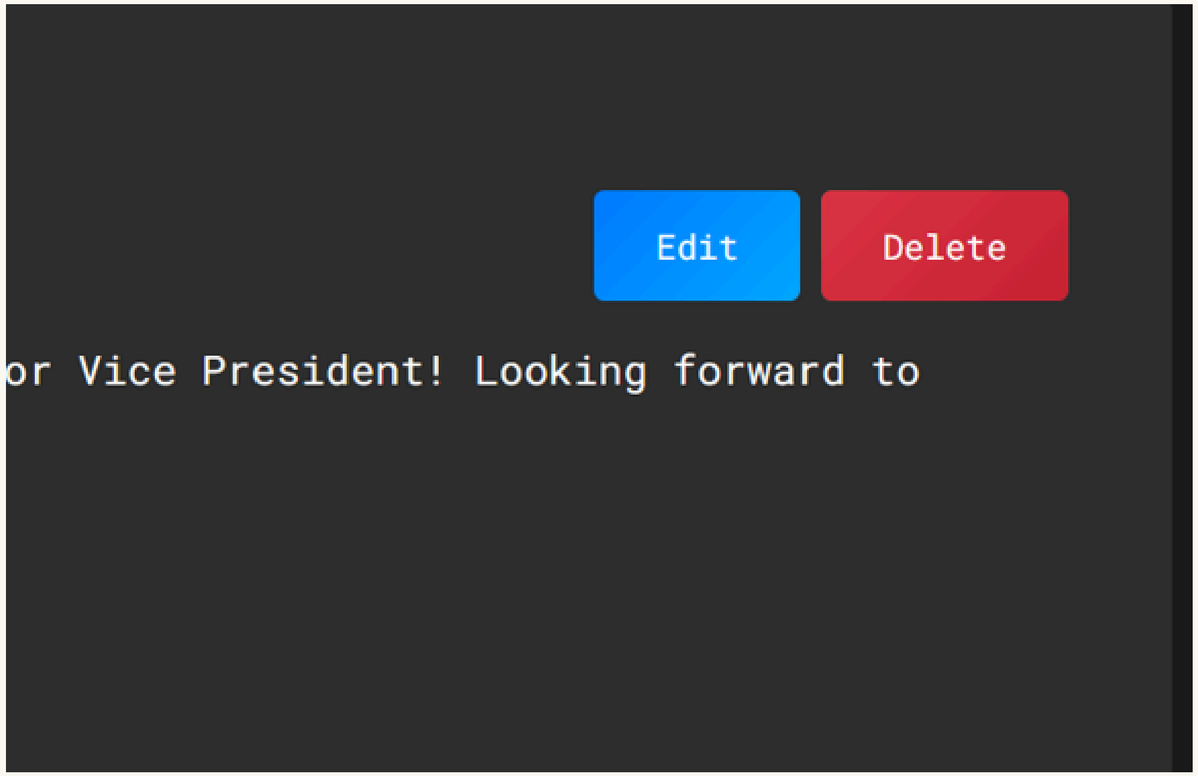
USER STORY 10

As a student/society, I want to edit a post after publishing so that I can fix mistakes or update information.



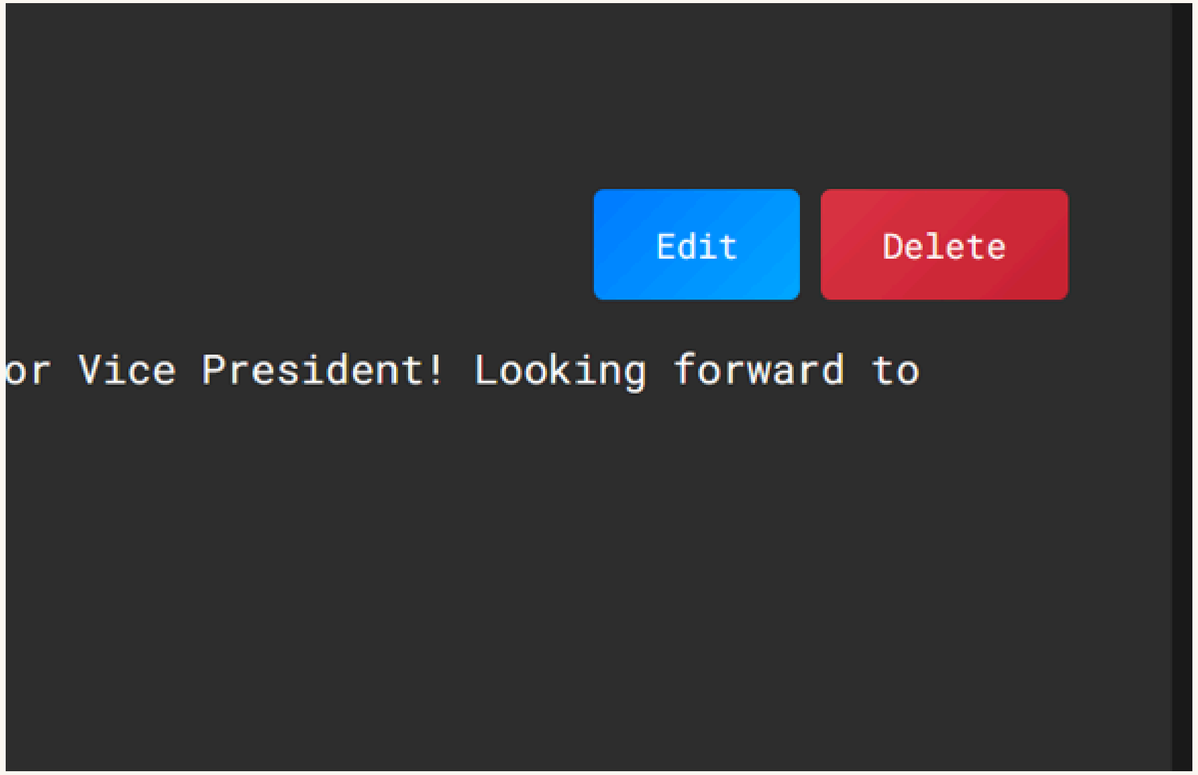
USER STORY 11

As a student/society, I want to delete a post so that I can remove irrelevant or outdated content.



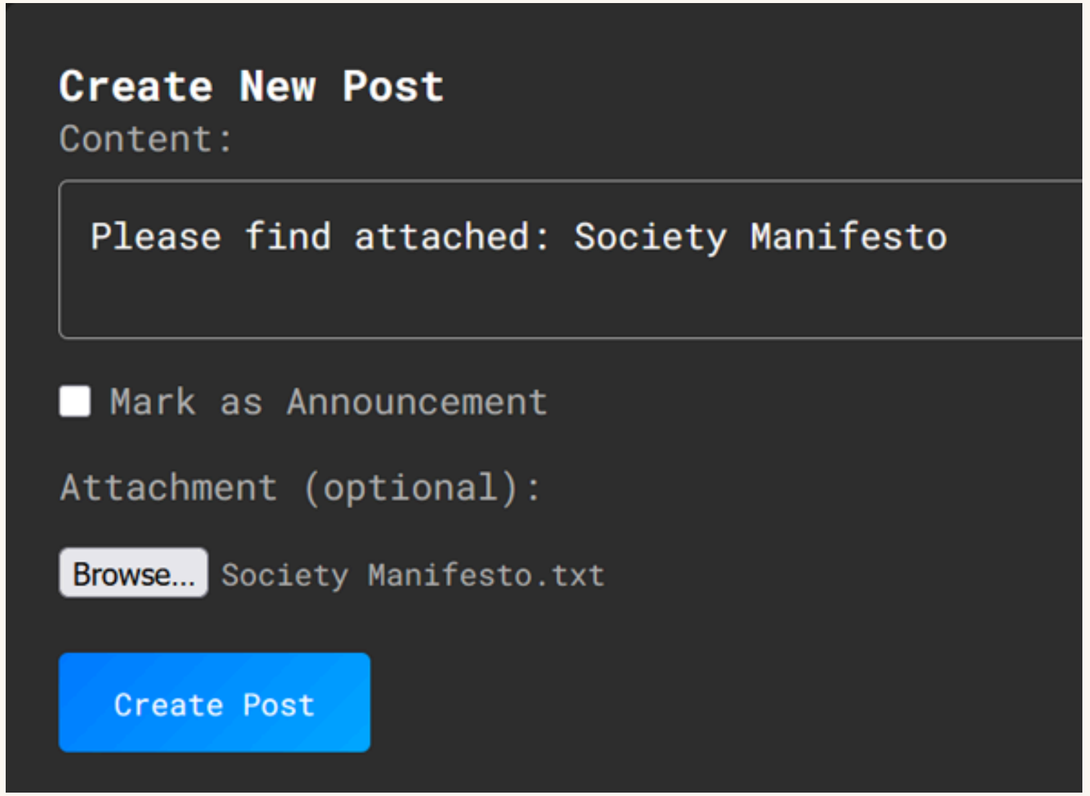
USER STORY 12

As an admin, I want to remove inappropriate posts so that the platform remains professional.



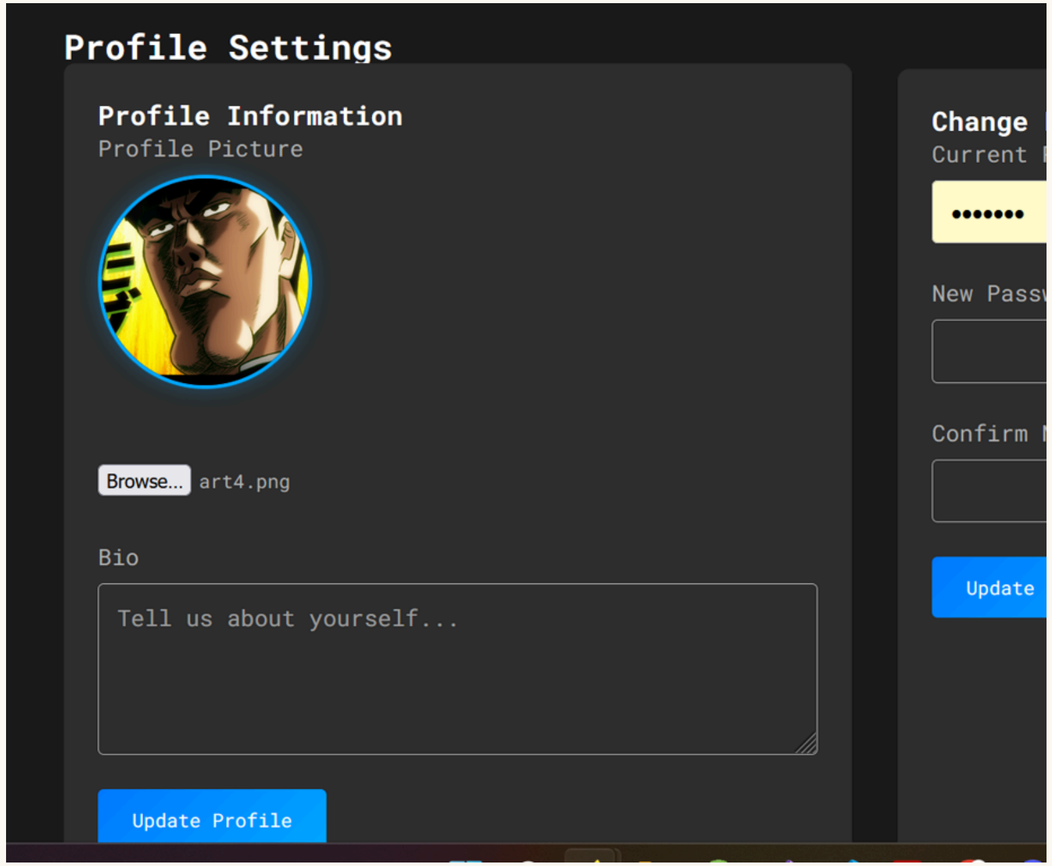
USER STORY 13

As a student/society, I want to attach images and files to my posts so that I can provide better context.



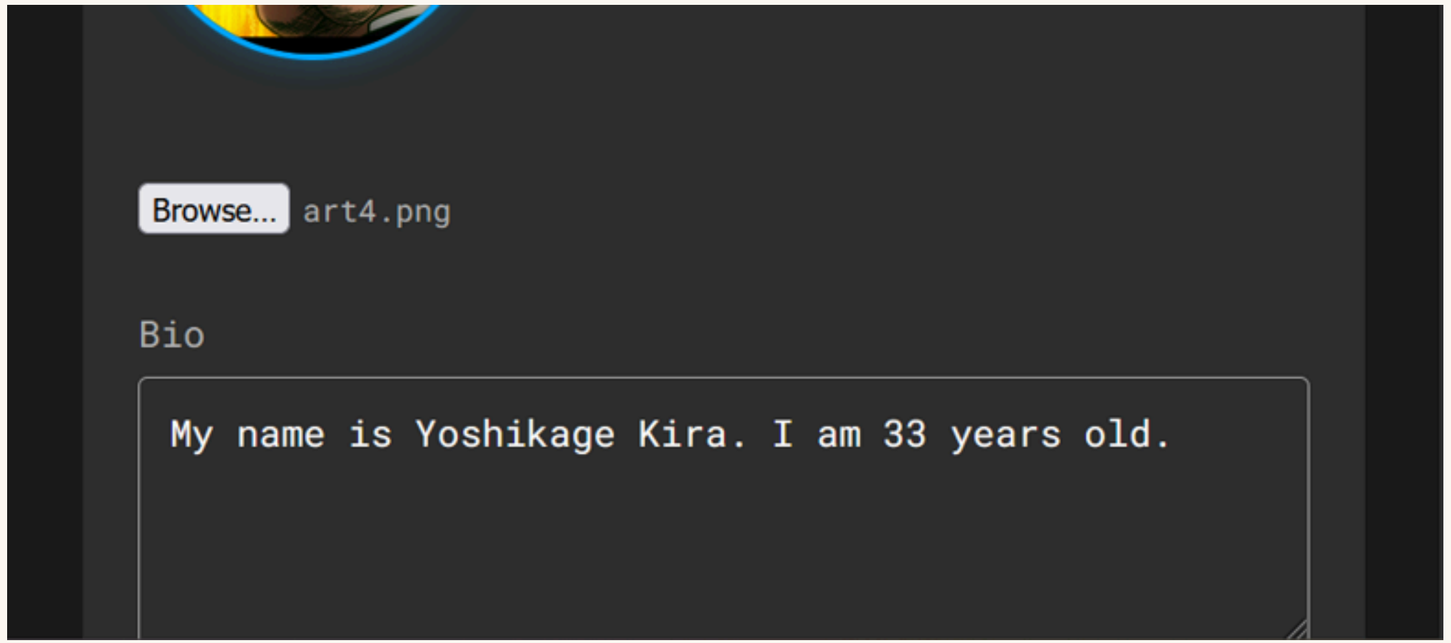
USER STORY 14

As a student/society, I want to update my profile picture so that I can personalize my profile.



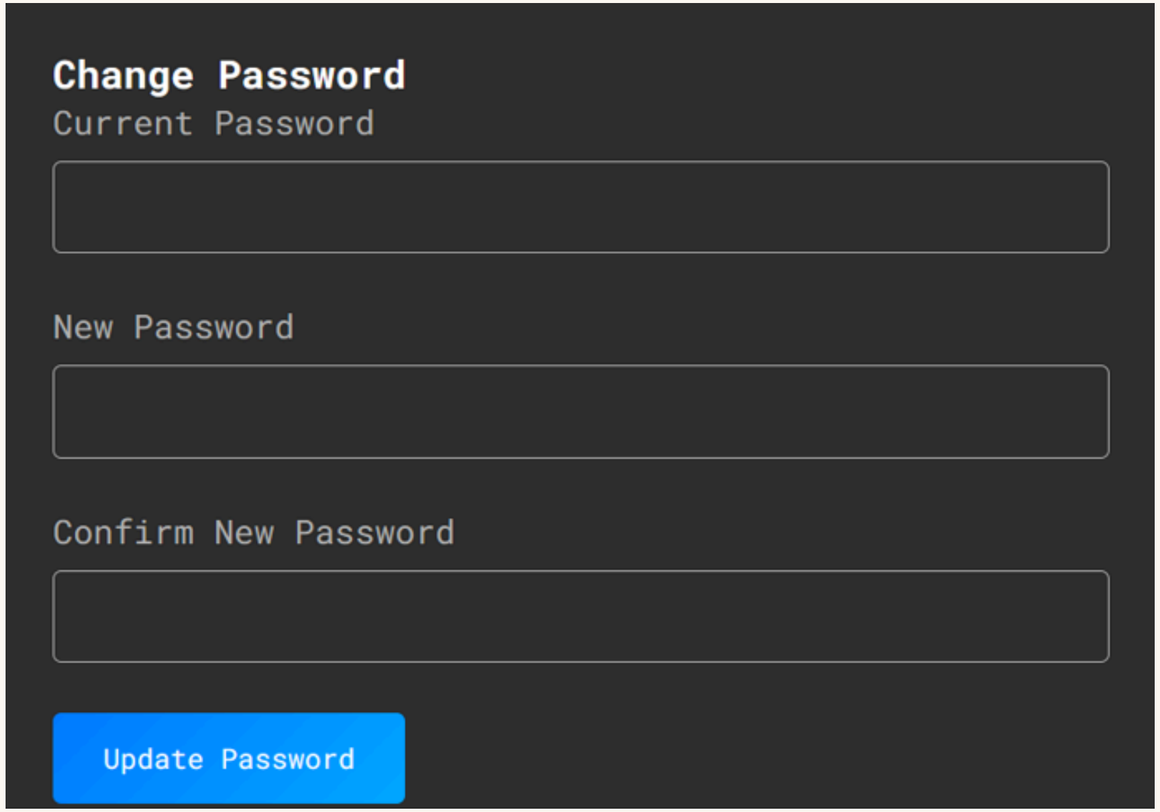
USER STORY 15

As a student/society, I want to update my bio so that I can share more about myself.



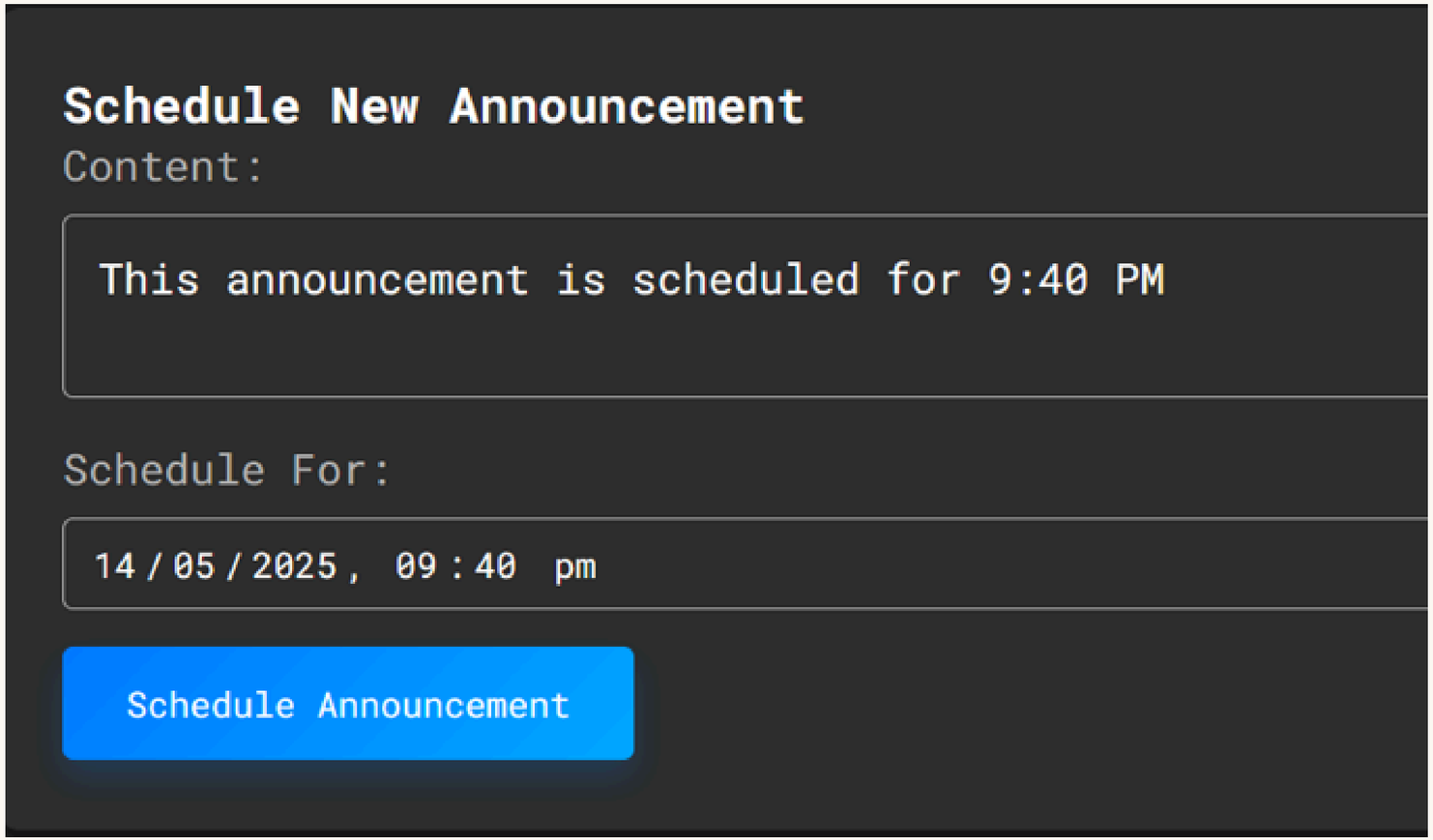
USER STORY 16

As a student/society, I want to change my password so that I can keep my account secure.



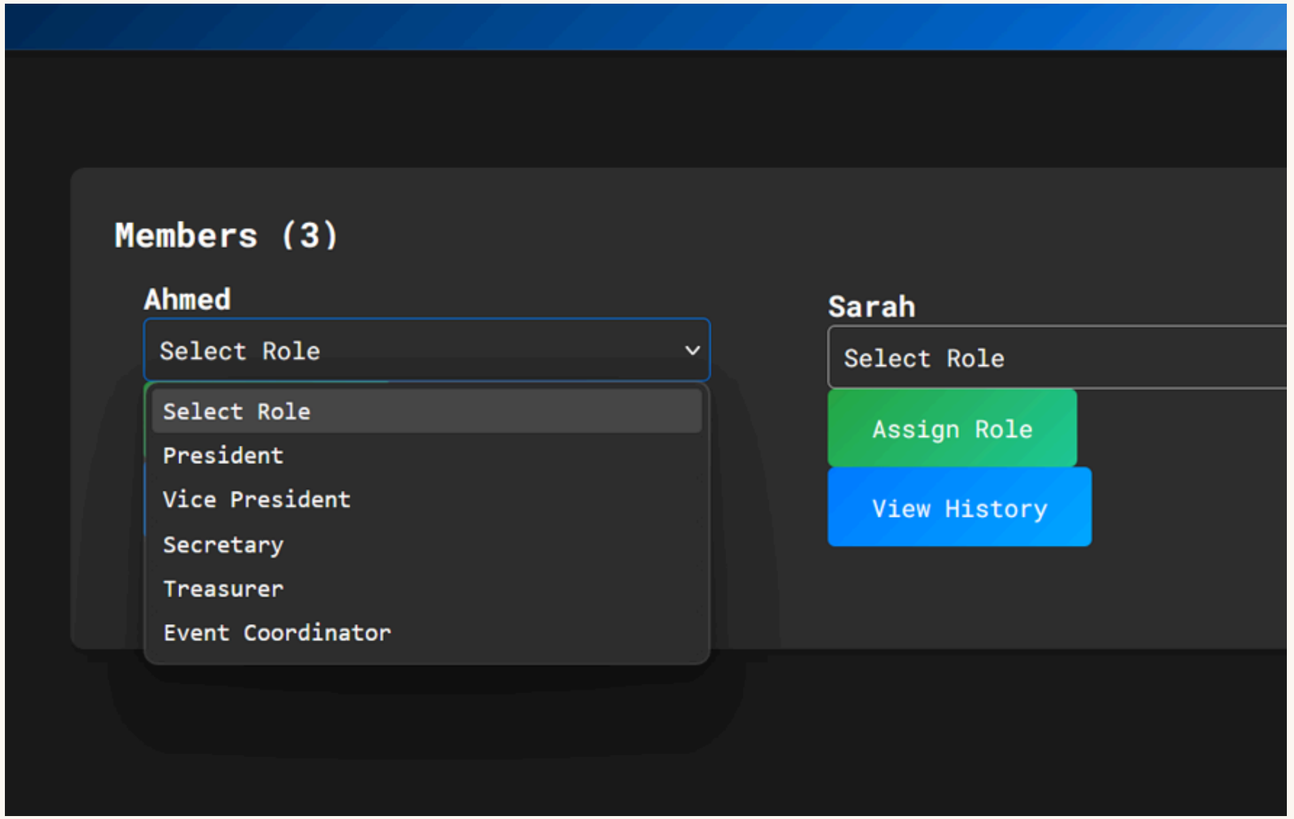
USER STORY 17

As a society, I want to schedule announcements so that I can automate communication.



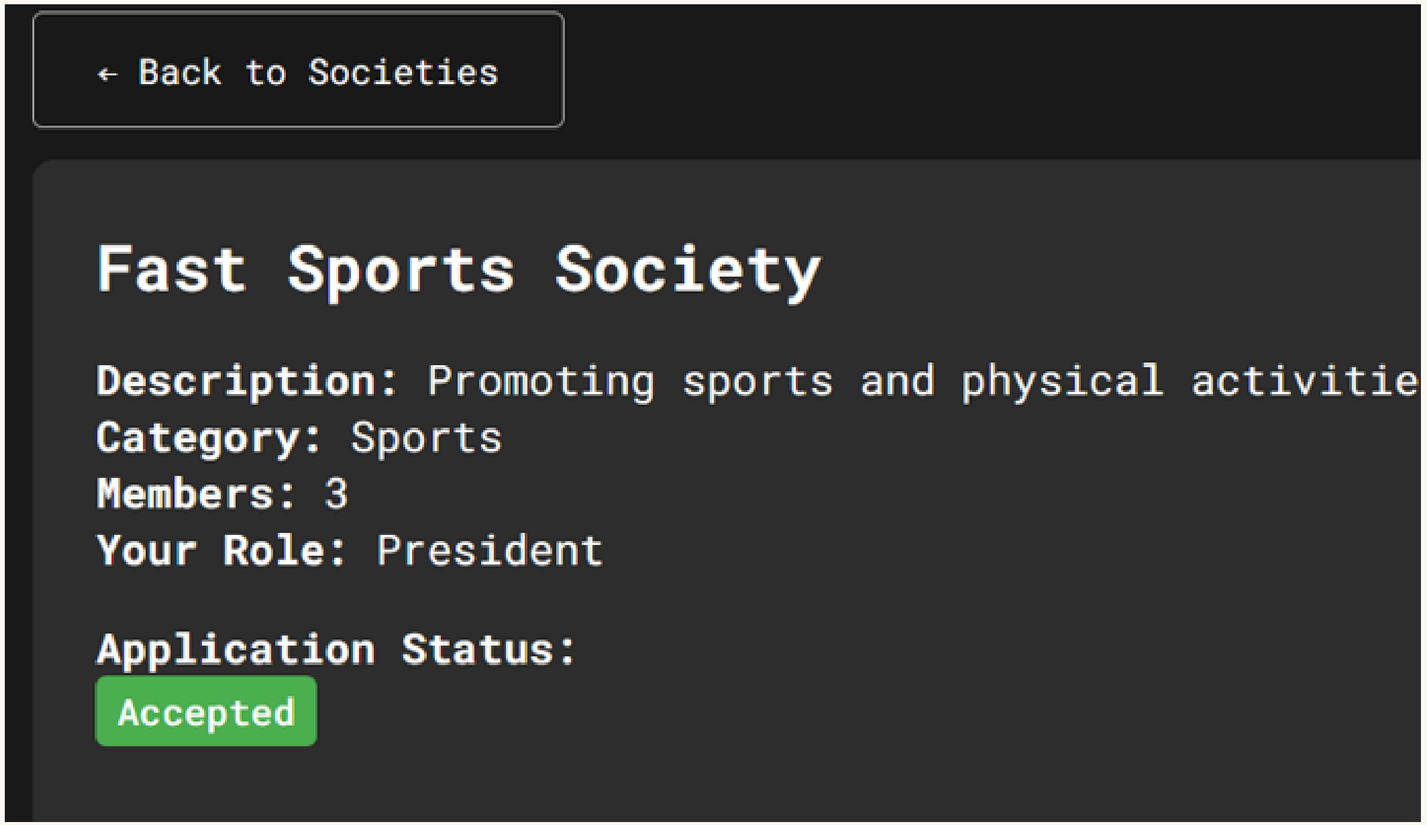
USER STORY 18

As a society, I want to assign leadership roles so that responsibilities are clear.



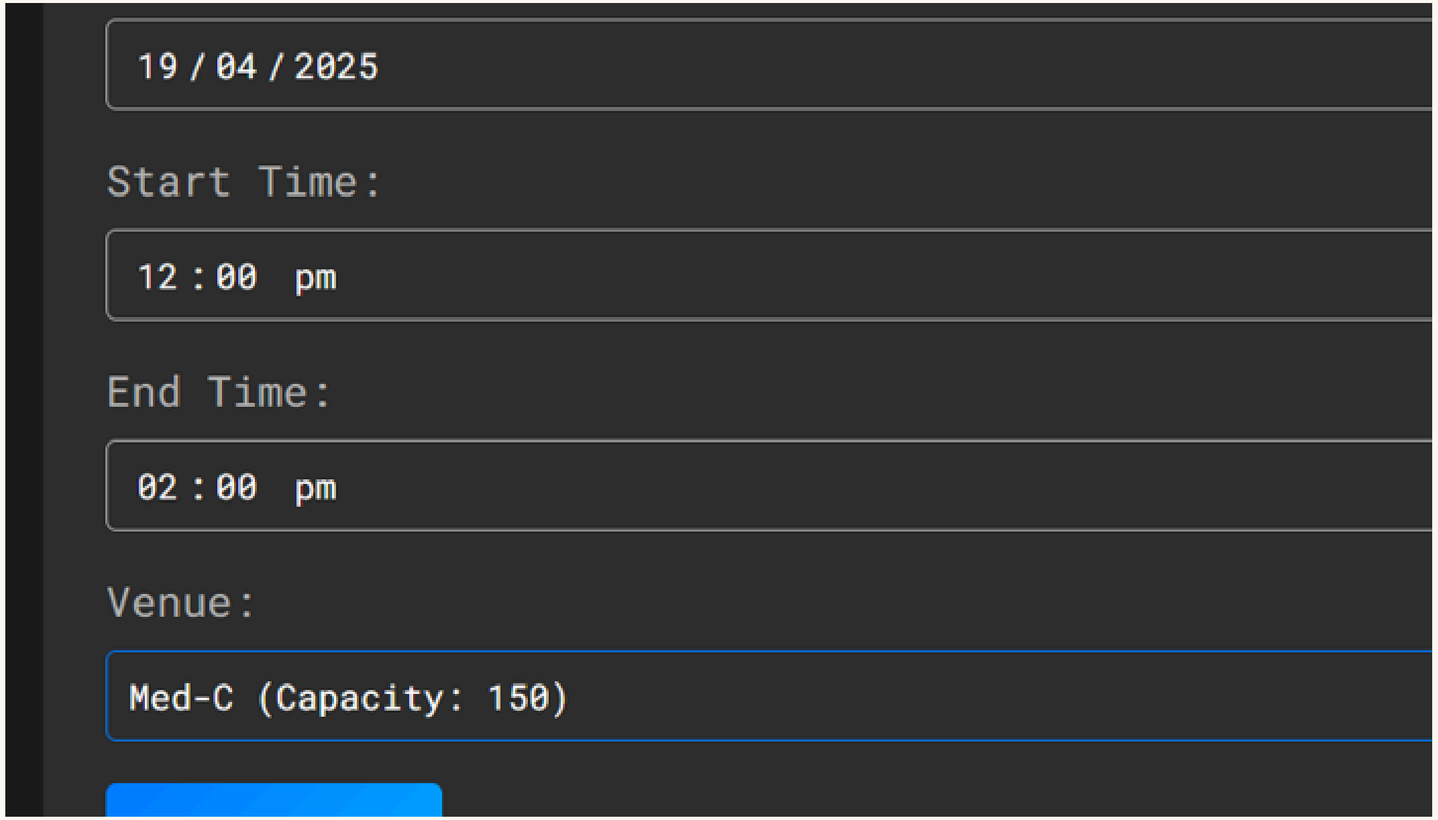
USER STORY 19

As a student, I want to see my assigned role in a society so that I understand my responsibilities.



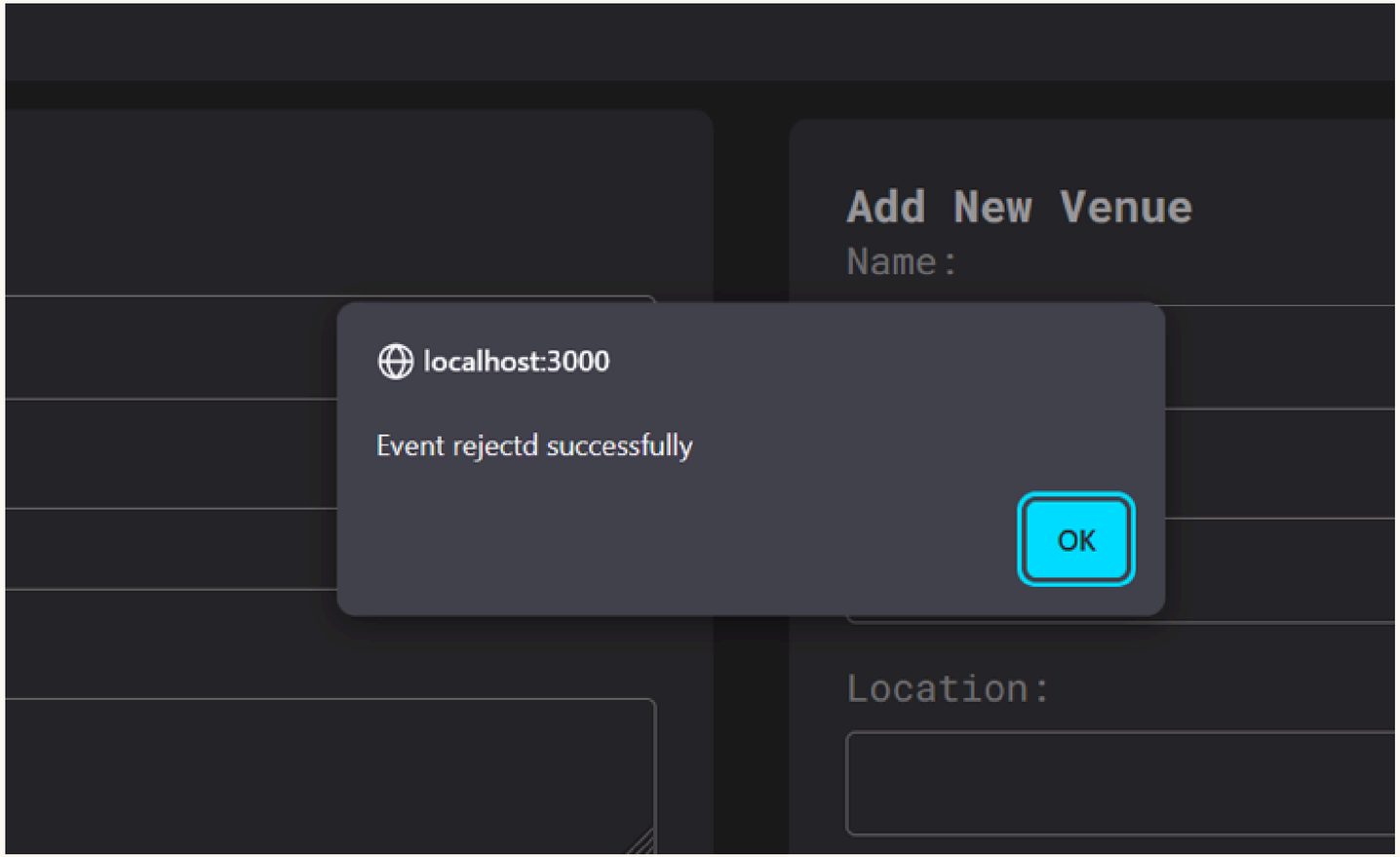
USER STORY 20

As a society, I want to modify my venue booking so that I can change the date or location if needed.



USER STORY 21

As a society, I want to cancel a venue booking so that I can free up space for others if I no longer need it.

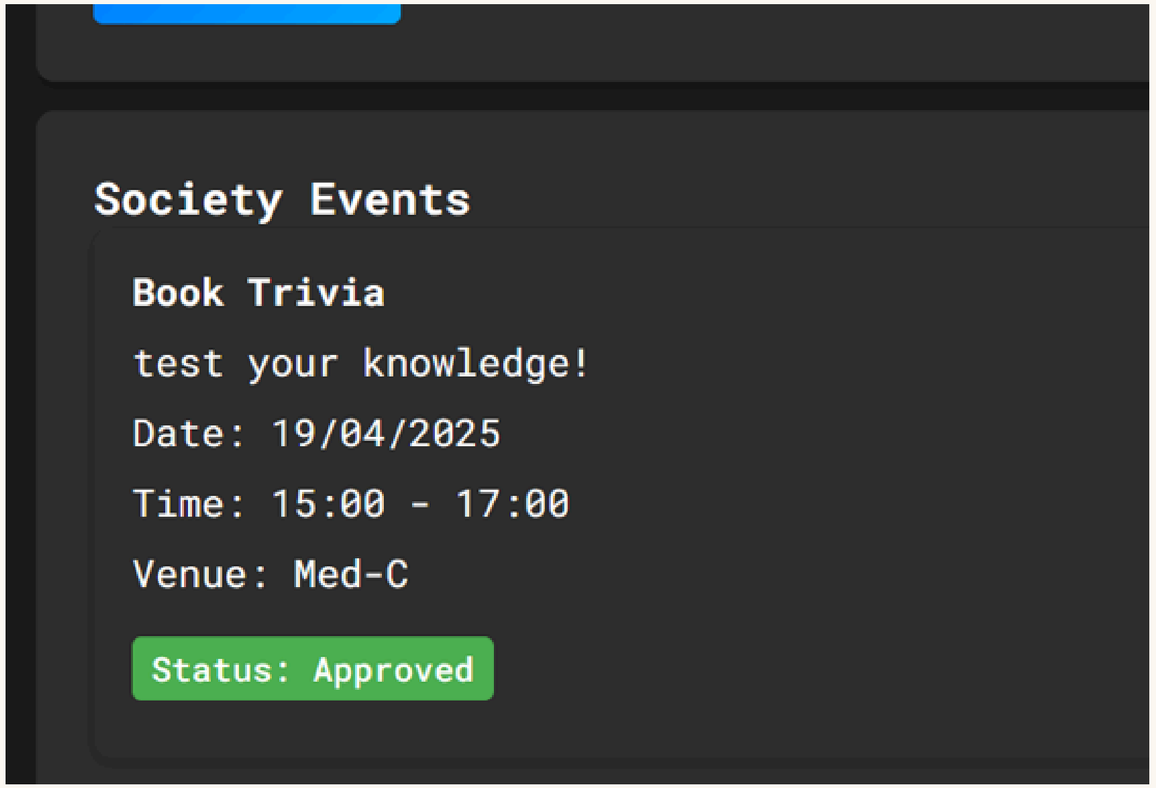


USER STORY 22

As a student, I want to receive event reminders so that I don't miss important activities.

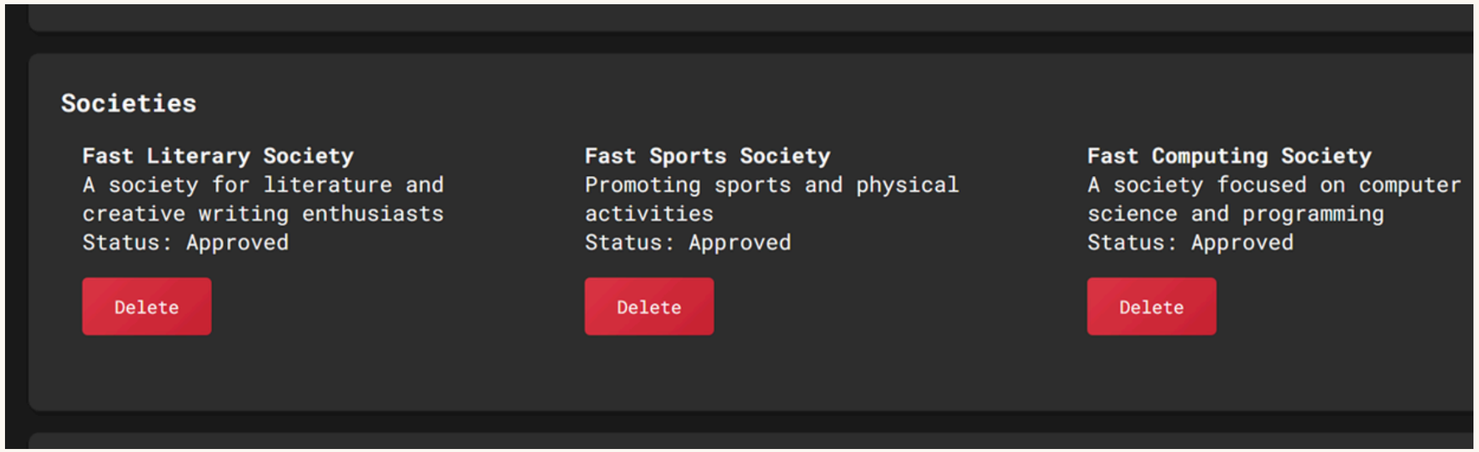
USER STORY 23

As an admin, I want to approve venue booking requests so that I can manage availability.



USER STORY 24

As a student, I want to view a list of all societies so that I can decide which ones to join.



FUTURE IMPROVEMENTS

Targeted improvements in UI polishing

Performance Optimization

Security Enhancements

Mobile app expansion

CONCLUSIONS

CONCLUSION 1

Effectively addresses core needs for student-society and society-administration interactions.

CONCLUSION 2

Replaces physical processes with digitalized ones saving time and effort without changing the processes.

CONCLUSION 3

Engaging for students due to social-media features and easy membership applications, engaging for societies due to easy event scheduling.

THANK YOU!