

Movie Booking App

Project Duration : 8 weeks

Objective:

The objective of this project is to enhance the functionality of our movie booking app by introducing a new feature that allows users to view movie trailers directly within the app. By providing this feature, we aim to improve user engagement, increase user satisfaction, and differentiate our app from competitors. This feature will empower users to make more informed decisions about which movies to watch by providing them with easy access to trailers. Additionally, it will foster a more immersive and enjoyable user experience within our app, ultimately driving increased usage and retention.

User Stories:

1. User Registration (3 SP)

- As a user, I want to register an account so that I can access the movie booking features.

2. Movie Listing (5 SP)

- As a user, I want to see a list of movies currently showing so that I can choose what to watch.

3. Movie Details (3 SP)

- As a user, I want to view details about a specific movie, such as synopsis, rating, and showtimes.

4. Seat Selection (8 SP)

- As a user, I want to select my preferred seats for a movie screening so that I can book tickets.

5. Booking Confirmation (3 SP)

- As a user, I want to receive confirmation of my ticket booking with details like seat numbers and showtime.

6. Payment Integration (13 SP)

- As a user, I want to be able to securely pay for my movie tickets online using different payment methods.

7. User Profile Management (5 SP)

- As a user, I want to manage my profile details and view my booking history.

8. Search Functionality (8 SP)

- As a user, I want to be able to search for movies by title, genre, or actor.

9. Admin Panel (13 SP)

- As an admin, I want to have access to an administrative dashboard to manage movies, screenings, and user bookings.

10. Email Notifications (5 SP)

- As a user, I want to receive email notifications for booking confirmations and updates.

Sprint Goal: Implement core functionality for users to search, select, and book movie tickets.

Sprint Duration: 2 weeks

Sprint Backlog:

1. User Registration (3 SP)
2. Movie Listing (5 SP)
3. Movie Details (3 SP)
4. Seat Selection (8 SP)
5. Booking Confirmation (3 SP)

Day 1-2 (Monday-Tuesday):

- User Registration
- Movie Listing

Day 3 (Wednesday):

- Movie Details

Day 4-7 (Thursday-Sunday):

- Seat Selection (in progress)

Day 8 (Monday):

- Finalize Seat Selection
- Begin Booking Confirmation

Day 9-10 (Tuesday-Wednesday):

- Complete Booking Confirmation
- Bug fixing and testing

End of Sprint (Thursday):

- Sprint Review and Demo
- Retrospective meeting to discuss what went well and what could be improved for the next sprint

Sprint 1:

Sprint Goal: Set up the foundational features of the movie booking application.

Duration: 2 weeks

Backlog Items:

1. User Registration (3 SP)
2. Movie Listing (5 SP)
3. Movie Details (3 SP)

Sprint 2:

Sprint Goal: Implement essential booking features and enhance user experience.

Duration: 2 weeks

Backlog Items:

4. Seat Selection (8 SP)
5. Booking Confirmation (3 SP)
6. User Profile Management (5 SP)

Sprint 3:

Sprint Goal: Enhance application functionality and usability.

Duration: 2 weeks

Backlog Items:

7. Search Functionality (8 SP)
8. Admin Panel (13 SP)
9. Email Notifications (5 SP)

Sprint 4:

Sprint Goal: Polish and fine-tune application features.

Duration: 2 weeks

Backlog Items:

10. Payment Integration (13 SP)

Daily Standup Simulation - Write a script for a Daily Standup meeting for a development team working on the software feature from Assignment 1. Address a common challenge and incorporate a solution into the communication flow.

Facilitator: Good morning, everyone! Let's kick off our daily standup meeting. As usual, we'll go around and each team member will share their updates. Remember to keep it concise so we can stay on track. Who wants to start?

Developer 1: I can go first. Yesterday, I ran into a roadblock while implementing the authentication module for our feature. It turns out there's a conflict with the existing authentication system. However, after some debugging, I found a workaround that seems to be working well. Today, I'll continue refining it and ensure it integrates smoothly.

Facilitator: Great job troubleshooting, Developer 1! It's important to be resourceful when faced with challenges. Keep us posted if you need any further assistance. Who's up next?

Developer 2: That would be me. Yesterday, I focused on optimizing the database queries for performance. I managed to reduce the response time by 20%, which is a significant improvement. Today, I'll continue fine-tuning and also start working on the frontend components that will interact with these queries.

Facilitator: Fantastic progress, Developer 2! Optimizing performance is crucial for our feature's success. Let us know if you encounter any bottlenecks along the way. Who wants to share next?

Developer 3: I'll go next. Yesterday, I was working on the UI design for our feature. However, I hit a snag when trying to align the design with the user feedback we received. It seems there's a discrepancy in expectations. To address this, I've scheduled a quick meeting with the UX team to ensure we're on the same page. Today, I'll incorporate their feedback and make the necessary adjustments.

Facilitator: Collaboration is key, Developer 3. It's great that you're reaching out to the UX team to align our design with user expectations. Let us know if you need any additional insights from the user feedback. Who's left to share their updates?

Developer 4: That would be me. Yesterday, I worked on writing unit tests for the backend functionalities. However, I encountered an issue with mocking certain dependencies. To resolve this, I researched alternative mocking libraries and found one that seems promising. Today, I'll refactor the tests using this library and ensure comprehensive coverage.

Facilitator: Excellent initiative, Developer 4! Writing robust tests is crucial for maintaining the integrity of our codebase. Keep us updated on your progress with the new mocking library.

Facilitator: Thank you all for your updates. It's inspiring to see everyone tackling challenges head-on and finding creative solutions. Remember, if you encounter any blockers or need assistance, don't hesitate to reach out to your team members. Let's keep up the momentum and continue making progress towards our goal. That concludes our standup for today. Have a productive day, everyone!