

Assignment 1: Agile Project Planning - Create a one-page project plan for a new software feature using Agile planning techniques. Include backlog items with estimated story points and a prioritized list of user stories.Project Plan-:

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 wit

app, ultimately driving increased usage and retention.

User Stories-:

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)

Notes:

- Daily stand-ups will be held to track progress and discuss any impediments.
- Sprint reviews and retrospectives will be conducted at the end of each sprint to gather feedback and make necessary adjustments.
- The product owner will continuously prioritize the backlog based on user feedback and business needs.

**Assignment 2: 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.**

Daily Standup - Booking Movie App
Feature Development

Participants:

Lead Developer: Maya

Developer 1: Rohan

Developer 2: Priya

QA Tester: Aditya

Date: Monday, May 13th, 2024

Meeting Start:

Maya: Alright everyone, let's get started.
Daily standup!

Rohan: Thanks, Maya. Yesterday, I finished implementing the functionality to handle seat selection during booking. I also started working on integrating it with the payment gateway.

Priya: Great work, Rohan! On my end, I focused on designing the user interface for the seat selection process. I incorporated visual indicators for available and unavailable seats, as well as functionalities for zooming in and out of the seat chart.

Aditya: Sounds good, Priya. I reviewed the initial UI mockups and provided

feedback on clarity and ease of use.
There's one potential challenge I see:

Challenge:

Currently, theaters have varying seat layouts depending on the screen size and auditorium type. How will the seat selection UI adapt to these variations while maintaining a user-friendly experience?

Solution:

Rohan: That's a good point, Aditya. I was thinking about that too. Here's a possible solution:

We can define a set of standard seat layouts for different theater types

(e.g., single screen, multiplex).

For non-standard layouts, the theater owner can upload a custom seat map image during theater registration.

Our code will dynamically adjust the UI elements based on the chosen layout type or uploaded image.

Priya: I like that approach, Rohan. We can also explore using a combination of pre-defined layouts and allowing for minor adjustments like adding/removing specific seats for theaters with slightly different configurations.

Maya: Those are both great ideas. Let's discuss the technical implementation details for handling different seat layouts during our next team meeting. In the meantime, Rohan, can you prioritize integrating the

payment gateway with the existing seat selection functionality?

Rohan: Absolutely!

Maya: Priya, continue refining the UI based on the chosen solution for handling seat layouts. Aditya, once Rohan finishes the payment gateway integration, start testing the entire booking flow.

Everyone: Sounds good!

Maya: Thanks everyone. That's it for today's standup. Have a productive week