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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 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-:

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
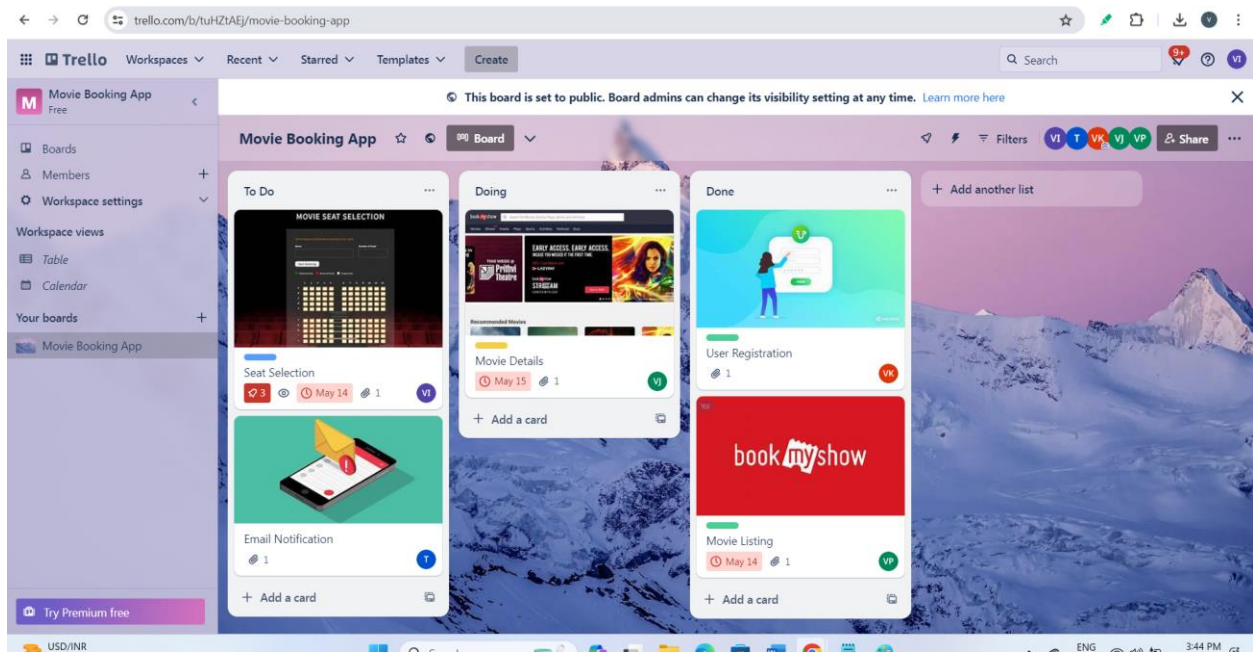
features.

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.

Solution:

Team lead: Hello team so we will work on first sprint from today onwards ,lets start with it

Member 1:hello all so Ihave finalized all the requirements for the movie booking app and shared with you all

Member 2:yes I received it and according to that i have started working on the schema designing and I have also shared the basic scheme with you all

Member 3 :yes I did get the schema and i have started working on the user registration and authentication api

Member 4: I am designing the first UI and I am done with the ui for registration and login and will start working on designing further ui for movie listing and movie details

Member 5:i tested the use authentication and registration and found some bugs the authentication isnt working properly

Member 1:okk I will work on improving the code.

Member 6: I am working on the ui for seat allocation but getting some errors wih backend integration

Member 8 :I have been working on error handling so I i will be collaborating with member 1 to eliminate the bugs

Team lead :looks like everybody has started on right foot some of you are facing some challenges so lets introduce biweekly meets so frontend and backend teams can discusses ongoing work and potential issues.

Member 1 :sounds great to me
Member 6:yes it will help me and save a lot of my time

Team lead: okk so lets wrap it up for today have a productive day!