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Day 4 Assignments:

This is detailed Agile Project Plan for :

 MOVIE BOOKING APP

Objective Enhance movie booking app with in-app movie trailers to improve user experience, engagement, and bookings.

User Stories:

User Story	Priority	Description	Story Points (SP
User Registration	High	As a user, I want to register an account so that I can access the movie booking features.	3
Movie Listing	High	As a user, I want to see a list of movies currently showing so that I can choose what to watch.	5
Movie Details	High	As a user, I want to view details about a specific movie, such as synopsis, rating, and showtimes.	3
Seat Selection	High	As a user, I want to select my preferred seats for a movie screening so that I can book tickets.	8
Booking Confirmation	High	As a user, I want to receive confirmation of my ticket booking with details like seat numbers and showtime.	3
User Profile Management	Medium	As a user, I want to manage my profile details and view my booking history.	5
Search Functionality	Medium	As a user, I want to be able to search for movies by title, genre, or actor.	8
Admin Panel	Low	As an admin, I want to have access to an administrative dashboard to manage movies, screenings, and user bookings.	13
Email Notifications	Low	As a user, I want to receive email notifications for booking confirmations and updates.	5
Movie Trailer Integration	New Feature	As a user, I want to watch movie trailers directly within the app before booking tickets.	13

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

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)

Sprint Breakdown:

- **Sprint 1 (2 weeks):** Focus on foundational functionalities:
  - User Registration
  - Movie Listing
  - Movie Details
- **Sprint 2 (2 weeks):** Implement essential booking features:
  - Seat Selection
  - Booking Confirmation
  - User Profile Management
- **Sprint 3 (2 weeks):** Enhance application features:
  - Search Functionality
  - Admin Panel
  - Email Notifications

End of Sprint:

- **Sprint Review and Demo:** This meeting showcases the completed functionalities from the sprint to stakeholders and team members. It provides an opportunity to gather feedback and discuss the impact of the developed features.

- **Retrospective Meeting:** This meeting focuses on continuous improvement by reflecting on what went well during the sprint, identifying areas for improvement, and brainstorming solutions for the next sprint.

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.

Objective: Enhance user experience and engagement by allowing users to watch movie trailers directly within the movie booking app.

Benefits:

- Informed movie selection through easy access to trailers.
- Increased user satisfaction and app retention.
- Potential for higher conversion rates.

User Story	Priority	Description	Story Points (SP)
View Movie Trailers (High)	High	As a user, I want to watch movie trailers directly within the app before booking tickets.	8 SP
Search for Trailers (Medium)	Medium	As a user, I want to be able to search for trailers by movie title.	5 SP
Improved Trailer Playback	Low	As a user, I want smooth and uninterrupted playback of movie trailers.	3 SP
User Registration (Existing)	Existing	As a user, I want to register an account to access the movie booking features.	3 SP (Reference - Existing Functionality)
Movie Listing (Existing)	Existing	As a user, I want to see a list of movies currently showing so that I can choose what to watch.	5 SP (Reference - Existing Functionality)
Movie Details (Existing)	Existing	As a user, I want to view details about a specific movie, such as synopsis, rating, and showtimes.	3 SP (Reference - Existing Functionality)

Sprint Breakdown (Example - 2 Weeks):

- **Sprint Goal:** Implement core functionality for in-app movie trailer playback.
- **Backlog Items:**
    o View Movie Trailers (High - 8 SP)
    o User Registration (Existing - 3 SP)
    o Movie Listing (Existing - 5 SP)
    o Movie Details (Existing - 3 SP)
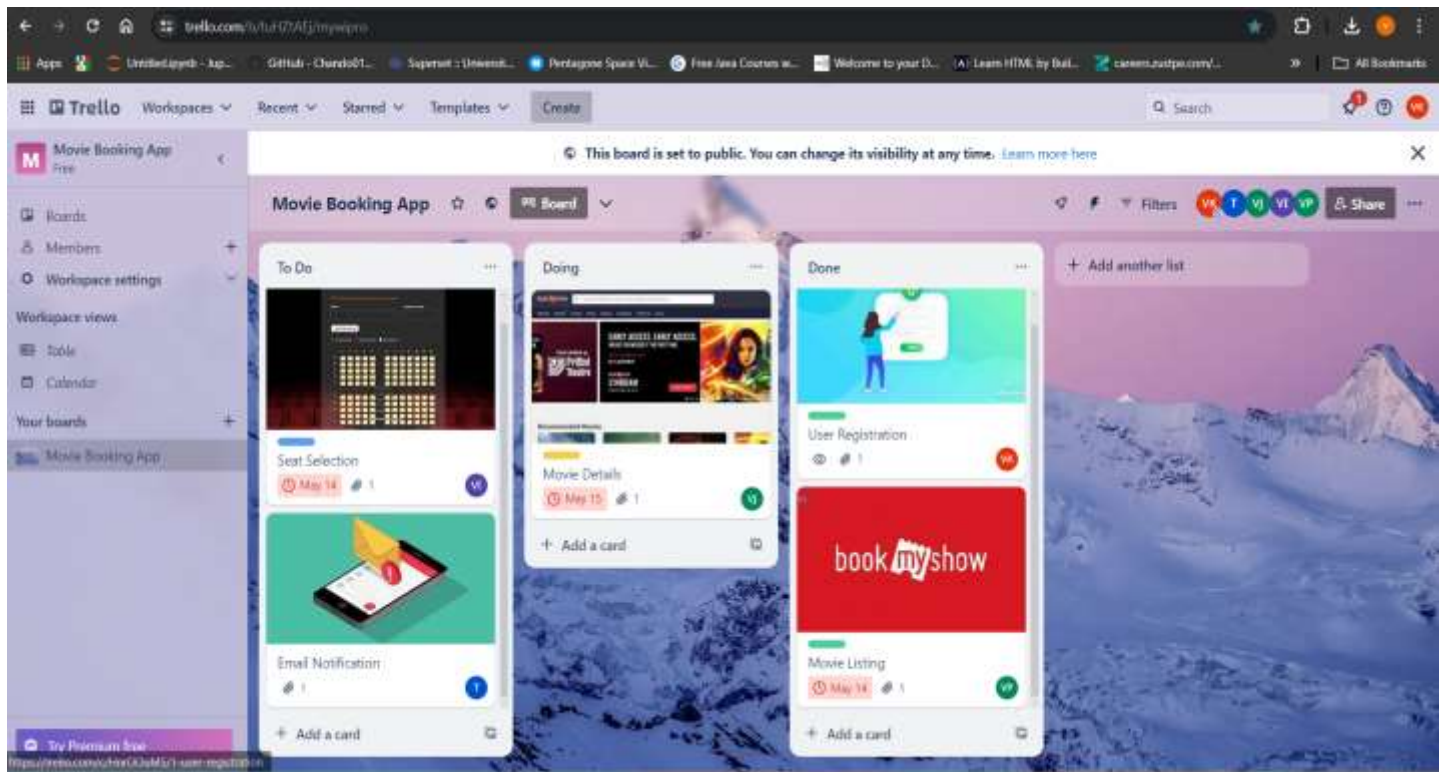
Development Process:

- Agile methodology with iterative development cycles.
- Daily stand-up meetings to track progress and address roadblocks.
- User testing throughout development for feedback and refinement.
- Sprint reviews and retrospectives for continuous improvement.

Technical Stack (Example):

- Front-end framework (e.g., React)
- Video player library (e.g., Video.js)
- API integration for movie trailer data

Success Measurement:

- User feedback on trailer accessibility and playback experience.
- Increased user engagement metrics (time spent in app, trailer views).
- Conversion rate analysis after feature launch.

Daily Standup Simulation: Movie Booking App - In-App Trailers

Participants:

- **Product Owner (PO):**
- **Lead Developer (LD):**
- **Front-End Developer (FED):**
- **QA Tester (QA):**

Product Owner : Alright team, let's get started! What did everyone work on yesterday?

Lead Developer : Hi everyone. I finished the core functionality for integrating movie trailers with our app. Users can now click a "Play Trailer" button on the movie details page, which launches the trailer in a dedicated player.

Front-End Developer : Great job, Michael! On my end, I implemented the trailer playback UI using Video.js. It looks clean and responsive on desktop so far.

QA Tester : Thanks, Sarah. I started testing the trailer playback functionality. Everything seems to work well on Chrome, but I ran into an issue on Firefox. The trailer stutters and lags during playback.

Product Owner : Okay, David, that's a good catch. Stuttering playback can definitely affect the user experience. What do you think might be causing the issue, Michael?

Lead Developer : Hmm, that could be due to a couple of things. Firefox might have compatibility issues with the video codec we're using for the trailers.

Front-End Developer : Maybe we can look into offering the trailers in alternative formats or using a different video player library that has better cross-browser support.

Product Owner : Those are good suggestions. Michael, can you investigate the cause of the issue further and propose a solution by tomorrow's standup?

Lead Developer : Absolutely. I'll look into the video codec compatibility and explore alternative player options like JW Player.

Product Owner : Perfect. David, can you continue testing on other browsers as well, and keep us updated on any additional issues?

QA Tester : Sure thing, Jessica.

Product Owner : Sarah, keep working on the UI for mobile responsiveness. We want to ensure a smooth experience on all devices.

Front-End Developer : You got it!

Product Owner : Any other roadblocks or updates for today?

Everyone: (silence)

Product Owner : Great! Let's keep up the good work and focus on resolving the playback issue. Remember, our goal is to deliver a seamless in-app trailer experience for users. See you all tomorrow!