SDLC - Assignment 3

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.

Agile Project Plan for a New Software Feature in an Online Movie Streaming App

Feature: User Profiles and Recommendations

Goal: Develop a feature that allows users to create individual profiles within an account and receive personalized movie recommendations.

Backlog Items with Estimated Story Points :

1. US-01: Create multiple profiles under one account for personalized experiences.
   - Priority: High
   - Estimated Story Points: 8

2. US-02: Switch between profiles to access individual recommendations and watch history.
   - Priority: High
   - Estimated Story Points: 5

3. US-03: Receive movie recommendations based on viewing history.
   - Priority: High
   - Estimated Story Points: 8

4. US-04: Edit and delete profiles to manage account profiles.
   - Priority: Medium
   - Estimated Story Points: 5

5. US-05: Set parental controls on profiles for restricted content access for children.
   - Priority: Medium
   - Estimated Story Points: 6

6. US-06: Customize profile with a picture and preferences for a personalized experience.
   - Priority: Low
   - Estimated Story Points: 3

7. US-07: Rate movies and receive recommendations based on ratings for improved suggestions.
   - Priority: Low
   - Estimated Story Points: 4

Prioritized List of User Stories :

1. US-01: As a user, I want to create multiple profiles under one account so that different users can have personalized experiences. (8 story points)

2. US-02: As a user, I want to switch between profiles so that each user can access their own recommendations and watch history. (5 story points)

3. US-03: As a user, I want to receive movie recommendations based on my viewing history so that I can find new content to watch. (8 story points)

4. US-04: As a user, I want to edit and delete profiles so that I can manage the profiles within my account. (5 story points)

5. US-05: As a user, I want to set parental controls on profiles so that children have restricted access to content. (6 story points)

6. US-06: As a user, I want to customize my profile with a picture and preferences so that I can personalize my experience. (3 story points)

7. US-07: As a user, I want to rate movies and receive recommendations based on my ratings so that my suggestions improve over time. (4 story points)

Sprint Planning :

Sprint Duration: 2 Weeks

Sprint Goal: Implement the core functionalities of user profiles and personalized recommendations.

Sprint Backlog Items:

1. US-01 (8 story points)
2. US-02 (5 story points)
3. US-03 (8 story points)

Total Story Points for Sprint: 21

Agile Ceremonies :

1. **Daily Stand-up:** 15-minute meeting to discuss progress, roadblocks, and plan the day's work.

2. **Sprint Review:** Demonstrate the completed user stories to stakeholders for feedback.

3. **Sprint Retrospective:** Reflect on the sprint to identify improvements for the next sprint.

By following this Agile project plan, the team can efficiently develop the user profiles and recommendation features while ensuring continuous feedback and improvement throughout the process. This approach will enhance user engagement and satisfaction by providing a personalized streaming experience.

<mark>**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.**</mark>

Daily Standup Simulation Script

Project: Online Movie Streaming App - User Profiles and Recommendations

Team Members:

- Scrum Master
- Developer 1
- Developer 2
- QA Engineer
- Product Owner

Scrum Master: Good morning, team! Let's start our daily standup. Keep your updates brief: what you did yesterday, what you plan to do today, and any blockers. Deveoper1, you're up.

Developer 1: Yesterday, finished profile creation. Today, starting profile switching. No blockers.

Scrum Master: Thanks, Developer1. Developer2?

Developer 2: Yesterday, worked on recommendation engine. Today, optimizing algorithm. Minor blocker: performance issue.

Scrum Master: Got it. QA Engineer?

QA Engineer: Completed profile creation testing. Today, profile switching testing. No blockers.

Scrum Master: Thanks, QA Engineer. Product Owner?

Product Owner: Reviewed work, no new changes. Available for support.

Scrum Master: Before we wrap, let's address Developer2's performance issue. QA Engineer will assist post-meeting.

Developer 2: Thanks, Scrum Master. Thanks, QA Engineer.

QA Engineer: No problem.

Scrum Master: If there are no other updates or blockers, let's get to work. Have a productive day, everyone.

All: Thank you!

Summary of Meeting:
- **Developer 1:** Finished profile creation, starting profile switching. No blockers.
- **Developer 2:** Working on recommendation engine, facing performance issues. Assistance arranged.
- **QA Engineer:** Completed profile creation testing, starting profile switching testing. No blockers.
- **Product Owner:** Reviewed work, no new changes. Available for support.
- **Action:** Morgan to assist Taylor with performance optimization post-meeting.