**Assignment 1 & 2**

**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.**

**Ans:**

**Project Name:** Result Management System Enhancement

**Project Goal:** Improve the functionality and usability of the Result Management System to better serve educational institutions and students.

**Backlog Items:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **User Story** | **Story Points** | **Priority** | **Feature Owner** | **Feature Complexity** |
| As an administrator, I want to import student data from CSV files. | 5 | High | Scrum Master | New Requirement |
| As a teacher, I want to input and update student grades for various subjects. | 8 | High | Scrum Master | New Requirement |
| As a student, I want to view my current grades and overall performance. | 5 | High | Scrum Master | New Requirement |
| As a teacher, I want to generate grade reports for individual students. | 8 | Medium | Scrum Master | New Requirement |
| As an administrator, I want to manage user roles and permissions. | 5 | Medium | Scrum Master | New Requirement |
| As a student, I want to receive notifications for grade updates. | 3 | Low | Scrum Master | New Requirement |

**Sprint Planning:**

**Sprint 1 (2 weeks):**

* Import student data from CSV files (5 SP)
* Input and update student grades (8 SP)

**Sprint 2 (2 weeks):**

* View current grades and overall performance (5 SP)
* Generate grade reports (8 SP)

**Sprint 3 (2 weeks):**

* Manage user roles and permissions (5 SP)
* Implement grade update notifications (3 SP)

**Release Plan:**

* Incremental releases after each sprint for user feedback and testing.
* Final release scheduled for 24/06/2024
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**Project Team:**

* Product Owner
* Scrum Master
* Developers
* QA Testers

**Key Milestones:**

* Sprint 1 Review: 15/05/2024
* Sprint 2 Review: 29/05/2024
* Sprint 3 Review: 12/06/2024
* Final Release: 24/06/2024

**Risk Management:**

* Potential delays due to data import challenges or integration issues.
* Scope changes based on feedback from academic advisors and administrators.

**Communication Plan:**

* Daily stand-up meetings for progress updates.
* Bi-weekly sprint review meetings with stakeholders.
* Regular email updates to academic advisors and administrators.

**Metrics:**

* User satisfaction with system improvements.
* Efficiency gains in grade management processes.
* Reduction in support tickets related to system usability.

**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.**

**Ans:**

**Daily Standup Meeting Script:**

**Facilitator:** Good morning, everyone! Let's kick off our daily standup meeting.

**Team:** Good morning!

**Facilitator:** As you all know, our main focus is on enhancing the Result Management System feature. Let's go around the virtual room and give updates on what we accomplished yesterday, what we're planning to do today, and if there are any blockers.

**Developer 1:** Yesterday, I worked on implementing the import functionality for student data from CSV files. I encountered some challenges with data validation, but I managed to make good progress. Today, I plan to finalize this feature and start working on user authentication for administrators. No blockers from my end.

**Facilitator:** Great work on tackling those challenges, Developer 1. Looking forward to seeing the import functionality in action.

**Developer 2:** Yesterday, I focused on refining the user interface for inputting and updating student grades. I made some adjustments based on feedback from our UX/UI team and conducted testing to ensure smooth functionality. Today, I'll continue polishing the UI and start documenting the new features for our user guide. No blockers.

**Facilitator:** Excellent progress, Developer 2. Your attention to detail in UI refinement is much appreciated.

**Developer 3:** Yesterday, I completed the backend logic for generating grade reports. I integrated the necessary APIs and tested the functionality extensively. Today, I'll work on optimizing the report generation process for better performance. No blockers.

**Facilitator:** That's fantastic progress, Developer 3. Optimizing performance will definitely enhance the overall user experience.

**Developer 4:** Yesterday, I began working on setting up user roles and permissions. I faced some challenges with defining role-based access control, but I've consulted with our Product Owner and have a clearer direction now. Today, I'll continue refining this feature and aim to complete the initial setup. No blockers at the moment.

**Facilitator:** It's great to hear that you've resolved those challenges, Developer 4. Clear communication with the Product Owner is key to ensuring we're on the right track.

**Developer 5:** Yesterday, I started implementing grade update notifications for students. I encountered an issue with the notification service integration, but I've reached out to our DevOps team for assistance, and they've provided a workaround. Today, I'll continue with this feature and aim to resolve the integration issue. No other blockers.

**Facilitator:** Thanks for your proactive approach, Developer 5. Collaborating with other teams is crucial for overcoming technical hurdles efficiently.

**Facilitator:** Overall, it seems like we're making solid progress on our sprint goals. However, it's essential to address the integration challenges swiftly to ensure smooth functionality across all features. Let's continue to communicate openly and support each other to overcome any obstacles. If anyone needs assistance or encounters blockers throughout the day, please don't hesitate to reach out to the team for help.

**Team:** Agreed!

**Facilitator:** That wraps up our standup for today. Let's keep up the momentum, stay focused on our sprint goals, and I'll see you all at our next standup. Have a productive day, everyone!

**Team:** Thank you! Have a great day too!