Assignment 6: 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 Name: **Online Loan Application System Project Goal:**

To develop an online loan application system for the banking institution, enabling customers to apply for loans conveniently through the bank's

website or mobile app, streamlining the loan approval process and improving customer experience.

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|  | | |  | | |  | **Story** |  |  | | |
|  | **Backlog Item** |  |  | **Description** |  | **Points** |  | **Acceptance Criteria** |  |
| User Story 1: User Registration | | | Implement user registration functionality | | | 3 | | | - Users can register for an account with valid personal and contact information | | |
| User Story 2: Loan Eligibility Check | | | Develop loan eligibility check feature based on user inputs | | | 8 | | | - System evaluates user inputs (e.g., income, credit score) to determine loan eligibility | | |
| User Story 3: Loan Application Form | | | Create loan application form with required fields | | | 5 | | | - Users can fill out and submit loan application forms with necessary information | | |
| User Story 4: Document Upload | | | Enable document upload feature for supporting documents | | | 8 | | | - Users can upload required documents such as ID proof, income statements, and property documents | | |
| User Story 5: Application Submission | | | Implement submission process for loan applications | | | 5 | | | - Submitted loan applications are stored securely in the database and queued for review by bank staff | | |
| User Story 6:  Application Review | | | Develop review process for  bank staff to evaluate applications | | | 8 | | | - Bank staff can review submitted  loan applications, verify documents, and assess eligibility | | |

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|  | | |  | | |  | **Story** |  |  | | |
|  | **Backlog Item** |  |  | **Description** |  | **Points** |  | **Acceptance Criteria** |  |
| User Story 7: Credit Check | | | Integrate credit check feature to assess applicant's creditworthiness | | | 8 | | | - System retrieves and evaluates credit reports to determine applicant's creditworthiness | | |
| User Story 8: Approval Decision | | | Implement decision- making process for loan approval | | | 8 | | | - Loan approval decisions are made based on eligibility criteria, credit assessment, and risk evaluation | | |
| User Story 9: Loan Disbursement | | | Develop mechanism for loan disbursement upon approval | | | 8 | | | - Approved loans are disbursed to customer accounts or designated channels as per agreed terms and conditions | | |
| User Story 10: Notification System | | | Implement notification system for application status updates | | | 5 | | | - Users receive real-time updates via email or SMS regarding the status of their loan applications | | |

**Prioritized User Stories:**

User Story 1: User Registration User Story 2: Loan Eligibility Check

User Story 3: Loan Application Form User Story 4: Document Upload

User Story 5: Application Submission User Story 6: Application Review

User Story 7: Credit Check

User Story 8: Approval Decision User Story 9: Loan Disbursement User Story 10: Notification System **Notes:**

Story points are assigned based on complexity, effort, and criticality to the loan application process.

Acceptance criteria ensure that each user story meets regulatory compliance and customer satisfaction requirements.

Agile methodology will be followed with iterative development, user feedback loops, and continuous improvement.

**Assignment 7 : 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.**

When application developers encounter an error with bank form application submission,

there are several steps they can take to diagnose and solve the problem:

Identify the Error: Developers should first try to replicate the error to understand its nature.

They should note down any error messages, error codes, or unexpected behaviors

encountered during the submission process.

Review Application Code: Developers should review the code responsible for handling

form submissions. They should check for any logical errors, missing validations, or

incorrect configurations that could be causing the submission error.

Check Server Logs: Developers should examine server logs to identify any issues or

anomalies occurring during the form submission process. Logs can provide valuable

insights into server-side errors, database errors, or network connectivity issues.

Deploy Fixes and Monitor: Once the issue has been identified and resolved, developers

should deploy the necessary fixes to the application and monitor its performance to ensure

that the submission process is functioning correctly.

Scrum Master : Good Evening everyone, let's get started with our daily standup meeting.

Today, we'll focus on the ongoing issue with the loan application submission feature.

Developer 1 (Dev 1): Morning, everyone. So, the main challenge we're facing is that some

users are reporting that when they try to submit their loan applications, they encounter

errors and the submissions fail.

Tester: Yeah, I've been testing this feature extensively, and it seems to be happening

intermittently. I haven't been able to reproduce the issue consistently, which makes it

difficult to pinpoint the root cause.

Scrum Master: Thanks for the update. It's crucial that we address this issue promptly to

ensure a smooth experience for our users. Dev 1, have you made any progress in

investigating the problem?

Dev 1: Yes, I've been digging into the code, and it seems like there might be a validation

error occurring under certain conditions. I'm planning to run some more tests today to

confirm this hypothesis.

Scrum Master : That sounds like a good plan. In the meantime, Tester, could you continue

your testing efforts and try to gather more detailed information about the conditions under

which the submission fails?

Tester: Absolutely, I'll focus on trying to narrow down the specific scenarios that trigger the

error and gather as much data as possible.

Scrum Master: Great. Also, let's ensure that our error logging mechanisms are capturing

relevant information when these failures occur. This will be invaluable for troubleshooting

purposes.

Developer 2 (Dev 2): I've noticed that our error logs are quite generic at the moment. I'll

work on enhancing them to include more detailed information about the submission

process and any errors encountered.

Scrum Master: Excellent. Collaboration between development and testing is crucial here.

Let's make sure we're communicating effectively and sharing any findings or insights as we

progress.

Dev 1: Agreed. I'll keep Tester updated on my progress, and we'll work together to resolve

this issue as quickly as possible.

Scrum Master: Fantastic teamwork, everyone. Remember, our top priority is to deliver a

high-quality product to our users. Let's stay focused and proactive in addressing

challenges as they arise.

Tester: Definitely. We're on it.

Scrum Master: Alright, that wraps up today's standup meeting. Thanks, everyone, for your

contributions. Let's keep up the momentum and make some progress on resolving the loan

application submission issue. Have a great day, everyone.