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.

Agile Project Plan: New Software Feature

Project Overview:

* Feature Name: User Authentication Enhancement
* Project Duration: 4 Sprints (8 weeks)
* Team: Development Team (5 members), Product Owner, Scrum Master

Backlog Items:

| **Item ID** | **User Story** | **Estimated Story Points** |
| --- | --- | --- |
| 1 | As a user, I want to log in securely | 5 |
| 2 | As a user, I want to reset my password | 3 |
| 3 | As an admin, I want to manage user roles | 8 |
| 4 | As a user, I want to enable two-factor authentication | 5 |
| 5 | As a developer, I want to Refactor login code | 13 |
| 6 | As a user, I want to see login history | 3 |
| 7 | As a tester, I want to write automated tests | 8 |
| 8 | As a user, I want to change my profile settings | 5 |

Sprint Planning:

Sprint 1 (2 weeks):

* Focus: Secure Login & Password Reset
* User Stories: 1, 2, 6
* Estimated Story Points: 11
* Goal: Implement basic login and password reset functionality.

Sprint 2 (2 weeks):

* Focus: User Roles & Two-Factor Authentication
* User Stories: 3, 4
* Estimated Story Points: 13
* Goal: Integrate user roles management and enable two-factor authentication.

Sprint 3 (2 weeks):

* Focus: Login Refactoring & Profile Settings
* User Stories: 5, 8
* Estimated Story Points: 18
* Goal: Refactor login code for security and implement profile settings.

Sprint 4 (2 weeks):

* Focus: Testing & Deployment Preparation
* User Stories: 6, 7
* Estimated Story Points: 11
* Goal: Complete login history feature, write automated tests, and prepare for deployment.

Prioritized User Stories:

1. As a user, I want to log in securely
2. As an admin, I want to manage user roles
3. As a user, I want to enable two-factor authentication
4. As a user, I want to change my profile settings
5. As a developer, I want to refactor login code
6. As a tester, I want to write automated tests
7. As a user, I want to reset my password
8. As a user, I want to see login history