**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 for Online Movie Booking Application**

**Project Name:** Online Movie Booking Application

**Product Backlog**

| **ID** | **User Story** | **Story Points** | **Priority** |
| --- | --- | --- | --- |
| 1 | Search Movies: As a user, I want to search for movies by title, genre, or date. | 5 | High |
| 2 | View Movie Details: As a user, I want to view movie details, including synopsis and showtimes. | 8 | High |
| 3 | Book Tickets: As a user, I want to select seats and book tickets for a chosen showtime. | 13 | High |
| 4 | Secure Payment: As a user, I want to make secure payments for my bookings. | 8 | High |
| 5 | Booking Confirmation: As a user, I want to receive a booking confirmation and e-ticket via email. | 5 | Medium |
| 6 | View Booking History: As a user, I want to view my booking history and manage my bookings. | 8 | Medium |
| 7 | Admin Management: As an admin, I want to manage movie listings, showtimes, and seat availability. | 8 | Medium |
| 8 | Sales Reports: As an admin, I want to view reports on ticket sales and user activity. | 5 | Low |

**Sprint Plan**

**Sprint 1**

* **Goal:** Develop movie search and view movie details.
* **Backlog Items:**
  + Search Movies (5 story points)
  + View Movie Details (8 story points)

**Sprint 2**

* **Goal:** Develop seat selection and booking functionality.
* **Backlog Item:**
  + Book Tickets (13 story points)

**Sprint 3**

* **Goal:** Implement secure payment and booking confirmation.
* **Backlog Items:**
  + Secure Payment (8 story points)
  + Booking Confirmation (5 story points)

**Sprint 4**

* **Goal:** Develop user and admin features, finalize testing.
* **Backlog Items:**
  + View Booking History (8 story points)
  + Admin Management (8 story points)
  + Sales Reports (5 story points)