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.

Project Plan: New Software Feature Using Agile Techniques

Feature Overview: Implement a "Dark Mode" feature to enhance user experience and accessibility in the web application.

Backlog Items:

1. **Enable Theme Toggle**

   o *Description:* Allow users to switch between light and dark themes via a toggle button.

   o *Estimated Story Points:* 3

   o *Priority:* High

2. **Persist User Preference**

   o *Description:* Save the user's selected theme (light/dark) across sessions using local storage.

   o *Estimated Story Points:* 2

   o *Priority:* High

3. **Apply Global Styles**

   o *Description:* Create and apply a comprehensive set of styles for the dark theme.

   o *Estimated Story Points:* 5

   o *Priority:* High

4. **Update Images and Icons**

   o *Description:* Replace or adapt images and icons to suit the dark theme.

   o *Estimated Story Points:* 3

   o *Priority:* Medium

5. **Add Accessibility Features**

   o *Description:* Ensure color contrast and readability standards are met in the dark theme.

   o *Estimated Story Points:* 4

   o *Priority:* Medium

6. **Test and Debug**

   o *Description:* Conduct thorough testing to identify and fix bugs related to the dark mode.

   o *Estimated Story Points:* 3

   o *Priority:* High

7. **Update Documentation**

   o *Description:* Update user guides and release notes to include information about the dark mode.

   o *Estimated Story Points:* 2

   o *Priority:* Low

Prioritized List of User Stories:

1. **As a user, I want to toggle between light and dark themes, so I can choose a display mode that suits my preference.**

   o *Backlog Item:* Enable Theme Toggle

2. **As a returning user, I want my theme preference to be saved, so I don't need to reset it every time I visit.**

   o *Backlog Item:* Persist User Preference

3. **As a user, I want the dark theme to have consistent styles across the application, so my experience is seamless.**

   o *Backlog Item:* Apply Global Styles

4. **As a visually impaired user, I want the dark theme to meet accessibility standards, so I can comfortably use the application.**

   o *Backlog Item:* Add Accessibility Features

5. **As a user, I want all images and icons to look appropriate in dark mode, so the interface feels cohesive.**

   o *Backlog Item:* Update Images and Icons

6. **As a developer, I want to test and debug the dark mode implementation, so it functions as intended without errors.**

   o *Backlog Item:* Test and Debug

7. **As a new user, I want clear documentation on using the dark mode feature, so I can easily understand how to use it.**

   o *Backlog Item:* Update Documentation

Sprint Plan: The above backlog items will be addressed over two sprints of 2 weeks each, prioritizing high-priority stories in Sprint 1.