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Assignment: Mobile Application Project

Planning Using Taiga

App Name: CampusSpace

Problem Statement: Many colleges allocate classrooms and seminar halls manually through office visits or phone calls. This often causes confusion about room availability and results in double bookings. There is no centralized system where students or faculty can check room availability based on date, time, and capacity. This makes event planning inefficient and time-consuming. A mobile application is needed to manage room booking digitally and improve transparency.

Target Users: Students, Faculty members, and College Administration staff.

Screenshot – Project Dashboard:

The screenshot shows the Project Dashboard for 'CampusSpace-Agile-Planning'. The left sidebar contains navigation links: Scrum, Issues, Search, Wiki, Team, and Settings. The main content area displays the project title, a description, and a team member's activity. The description states: 'Many colleges allocate classrooms and seminar halls manually through office visits or phone calls. This often causes confusion about room availability and results in double bookings. There is no centralized system where students or faculty can check room availability based on date, time, and capacity. This makes event planning inefficient and time-consuming. A mobile application is needed to manage room booking digitally and improve transparency.'

CampusSpace-Agile-Planning 0-77

Like 0 Watching 1

Girish Kailash created the project **CampusSpace-Agile-Planning** a few seconds ago

Team

Many colleges allocate classrooms and seminar halls manually through office visits or phone calls. This often causes confusion about room availability and results in double bookings. There is no centralized system where students or faculty can check room availability based on date, time, and capacity.

Screenshot – Backlog:

The screenshot shows the Backlog view for 'CampusSpace-Agile-Planning'. The left sidebar contains navigation links: Scrum, Backlog, Issues, Search, Wiki, Team, and Settings. The main content area displays a progress bar (0% 0 defined points 0 closed points 0 points / sprint), a 'CUSTOMIZE YOUR BACKLOG GRAPH' section, and a list of user stories. The user stories are:

- #1 Check Room Availability
- #2 Book Room
- #3 Admin Approve/Reject Booking
- #4 Cancel Booking
- #5 Filter Rooms by Capacity
- #6 View Booking Reports

Backlog 6 user stories

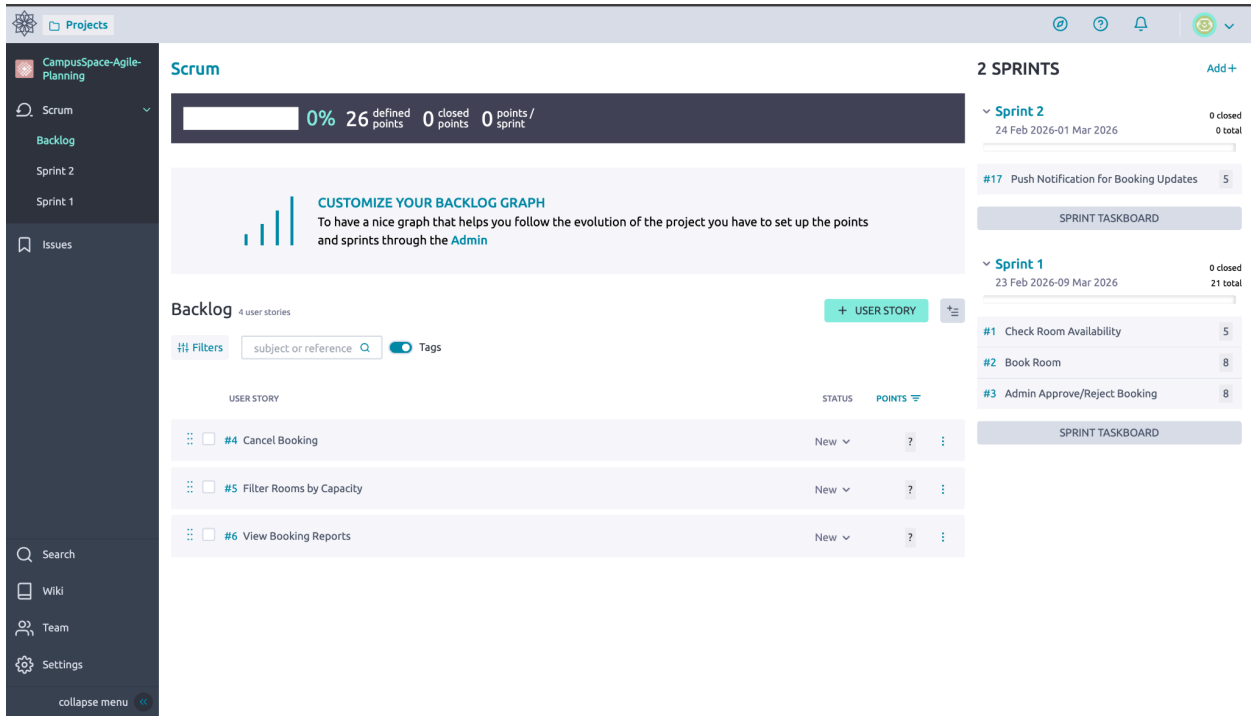
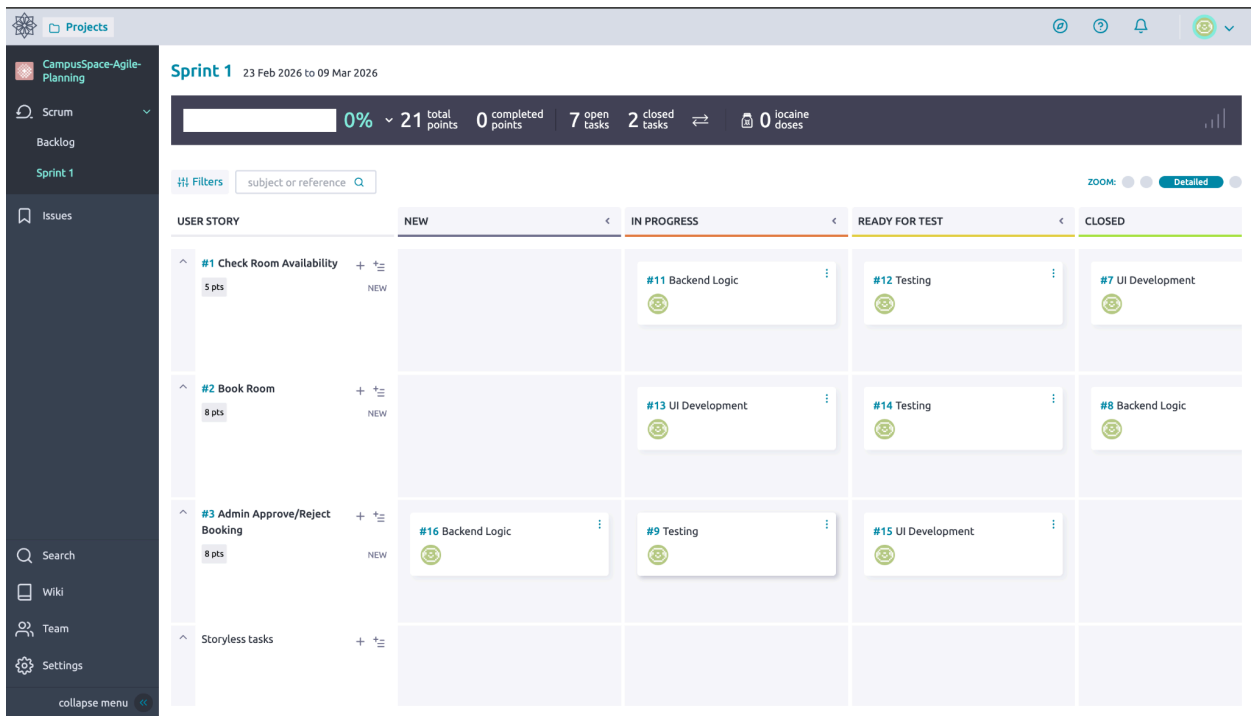
+ USER STORY

Filters subject or reference Tags

USER STORY	STATUS	POINTS
#1 Check Room Availability	New	?
#2 Book Room	New	?
#3 Admin Approve/Reject Booking	New	?
#4 Cancel Booking	New	?
#5 Filter Rooms by Capacity	New	?
#6 View Booking Reports	New	?

There are no sprints yet. Add a sprint +

Screenshot – Sprint Board:



Screenshot – Project Dashboard(Updated):

The screenshot shows the Taiga Project Dashboard for a project named "CampusSpace-Agile-Planning". The interface includes a left sidebar with navigation options: Scrum, Issues, Search, Wiki, Team, and Settings. The main content area displays a list of recent activities by "Girish Kailash", such as moving user stories, creating sprints, and updating task statuses. A "Team" section is also visible on the right.

CampusSpace-Agile-Planning 0-00

Like 0 Watching 1

Many colleges allocate classrooms and seminar halls manually through office visits or phone calls. This often causes confusion about room availability and results in double bookings. There is no centralized system where students or faculty can check room availability based on date, time, and capacity. This makes event planning inefficient and time-consuming. A mobile application is needed to manage room booking digitally and improve transparency.

Girish Kailash has moved the user story **#17 Push Notification for Booking Updates** 3 minutes ago

Girish Kailash has moved the user story **#6 View Booking Reports** 3 minutes ago

Girish Kailash has moved the user story **#6 View Booking Reports** 4 minutes ago

Girish Kailash has created a new sprint **Sprint 2** in **CampusSpace-Agile-Planning** 4 minutes ago

Girish Kailash has updated the attribute "Status" of the task **#14 Testing** which belongs to the user story **#2 Book Room** to Ready for test 7 minutes ago

Girish Kailash has updated the attribute "Status" of the task **#12 Testing** which belongs to the user story **#1 Check Room Availability** to Ready for test 7 minutes ago

Girish Kailash has updated the attribute "Status" of the task **#8 Backend Logic** which belongs to the user story **#2 Book Room** to Closed 7 minutes ago

Girish Kailash has updated the attribute "Status" of the task **#7 UI Development** which belongs to the user story **#1 Check Room Availability** to Closed 7 minutes ago

Girish Kailash has updated 'Back' points of the user story **#17 Push Notification for Booking Updates** to 2 7 minutes ago

Team

Reflection: Agile is suitable for this mobile application because requirements in campus systems may change frequently based on user feedback. For example, features like notifications or additional filters can be added later. Agile allows flexible sprint-based planning and backlog reprioritization. Taiga helped in organizing user stories, assigning priorities, and breaking them into smaller tasks. The sprint board made it easier to track progress visually. When a new requirement was introduced, it was added to the backlog and scheduled for Sprint 2 without affecting the ongoing sprint. The challenging part while using Taiga was estimating story points and understanding sprint planning initially, but after practice it became clear. This assignment helped me understand how real mobile applications are planned using Agile methodology.