

Sprint II Retrospective

Participants:

Rahaan Gandhi, Meghna Pradhan, Ramneek Kaur, Hao Jin, Yiyang Yan, Dhruva Khanwelkar, Akanksha Shah

Links

- 1) GitHub Repository - <https://github.com/shahakanksha-tamu/teamup-neo-backend>
- 2) Slack - <https://app.slack.com/client/T07PC1QMZRN/C07NP8T7UE6>
- 3) JIRA - [TEAM NEO - JIRA BOARD](#)
- 4) Heroku Deployment: <https://teamup-neo-ba74edfc326f.herokuapp.com/>

Sprint Dates

1. Sprint 2 plan: 10/7/2024 - 10/11/2024
2. Sprint 2 execution: 14/7/2024 - 18/11/2024

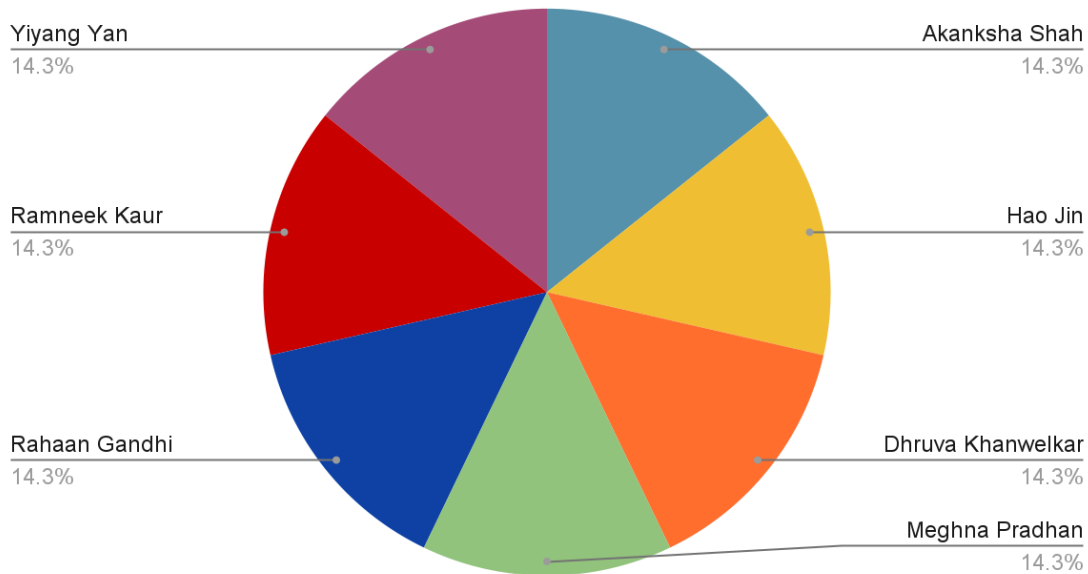
Team Member Contributions:

Name	Role	Story Points	Contribution
Rahaan Gandhi	Developer	5	<div>1. Implemented the designed Database schema and implemented models for databases.</div> <div>2. Fixed bugs from Sprint 1 implementations, such as dropdown menu issues with Bootstrap.</div> <div>3. Raised Cucumber and Rspec coverage for Sprint 1 implements from 90% to 100%.</div>
Meghna	Developer	5	<div>1. Developed the UI for the Student Dashboard / Overview page</div> <div>2. Developed UI for the Project Dashboard for the admin view.</div>

Akanksha Shah	Developer	5	<p>1. Developed functionality that enabled students to view team members and mentor information on the student dashboard along with Rspec and cucumber testing.</p> <p>2. Fixed bugs related to role-based access and navbar from the previous sprint.</p> <p>3. Collaborated with the team on feature integration and deployed the application to Heroku.</p>
Dhruva Khanwelkar	Product Owner	5	<p>1. Set up an S3 bucket and configure it with the app for file storage.</p> <p>2. Created resource view for managing file uploads.</p> <p>3. Added CRUD operations for the resources and wrote tests.</p>
Hao Jin	Developer	5	<p>1. Developed project creation functionality that opens a modal form to add new projects, along with Rspec and cucumber tests.</p> <p>2. Fixed bugs related to project creation form rendering and CRUD operations.</p>
Ramneek Kaur	Scrum Master	5	<p>1. Developed functionality for Team Management which involved adding and removing students from a project along with RSpec and cucumber testing.</p> <p>2. Developed the Project Management Hub page which redirects to Resource Management and Team Management.</p>
Yiyang Yan	Developer	5	<p>1. Developed controller and view for project overview on the student</p>

			dashboard.
			2. Developed cucumber tests for the implementation.

Team Contribution chart



Sprint Goal

This sprint focused on developing the core functionalities for both the admin and student dashboards. For the admin dashboard, features were implemented that enabled mentors to create projects, assign teams, and upload relevant project resources. On the student dashboard, functionality was introduced to allow students to view their assigned projects and team information. The main objective of this sprint was to implement the placeholders established in the previous sprint and ensure the successful deployment of the application.

Sprint Achievements

- 1) Implemented Resource Management, where documents and resources can be uploaded for access using AWS S3.
- 2) Implemented a Project Management Hub for Mentors where they can edit project teams and add resources.
- 3) Implemented the Project Team Information page for students where they can find relevant contact information for their team members and mentors.

- 4) Implemented a dashboard page for user and student views.
- 5) Designed database schema and modeled the associations between the objects as well as implemented it in a relational database.
- 6) We achieved RSpec test coverage of ~94.% and Cucumber Test coverage of ~90.45%.
- 7) Successfully updated the database on the deployed application to Heroku.
- 8) Discussed and revised the team's working agreement.

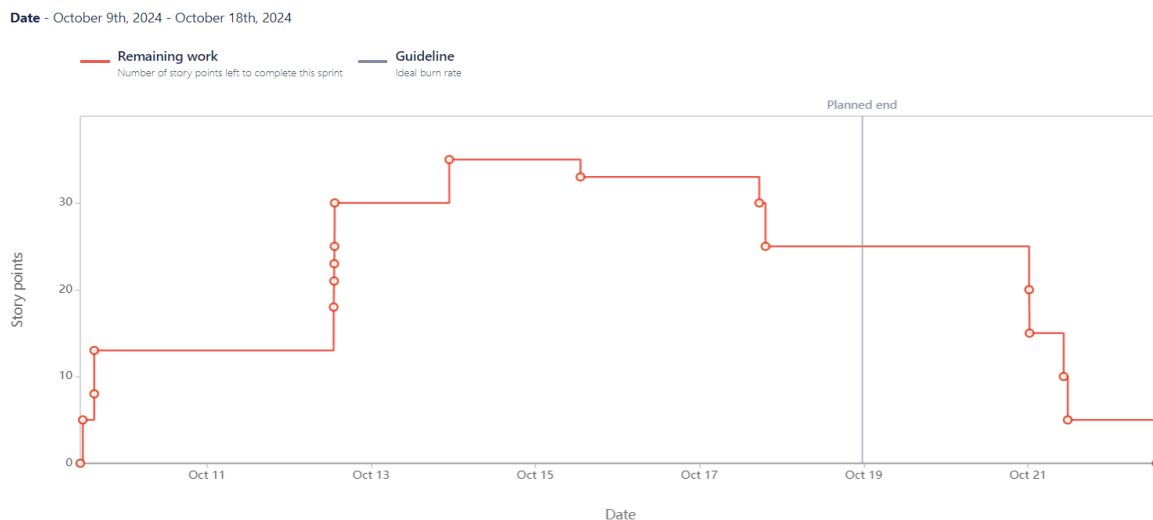
Sprint Backlog Items and Status

(+) Sprint 2 bug fixes.

(+) UI enhancement and implementation of view/download/delete functionality for resource management features.

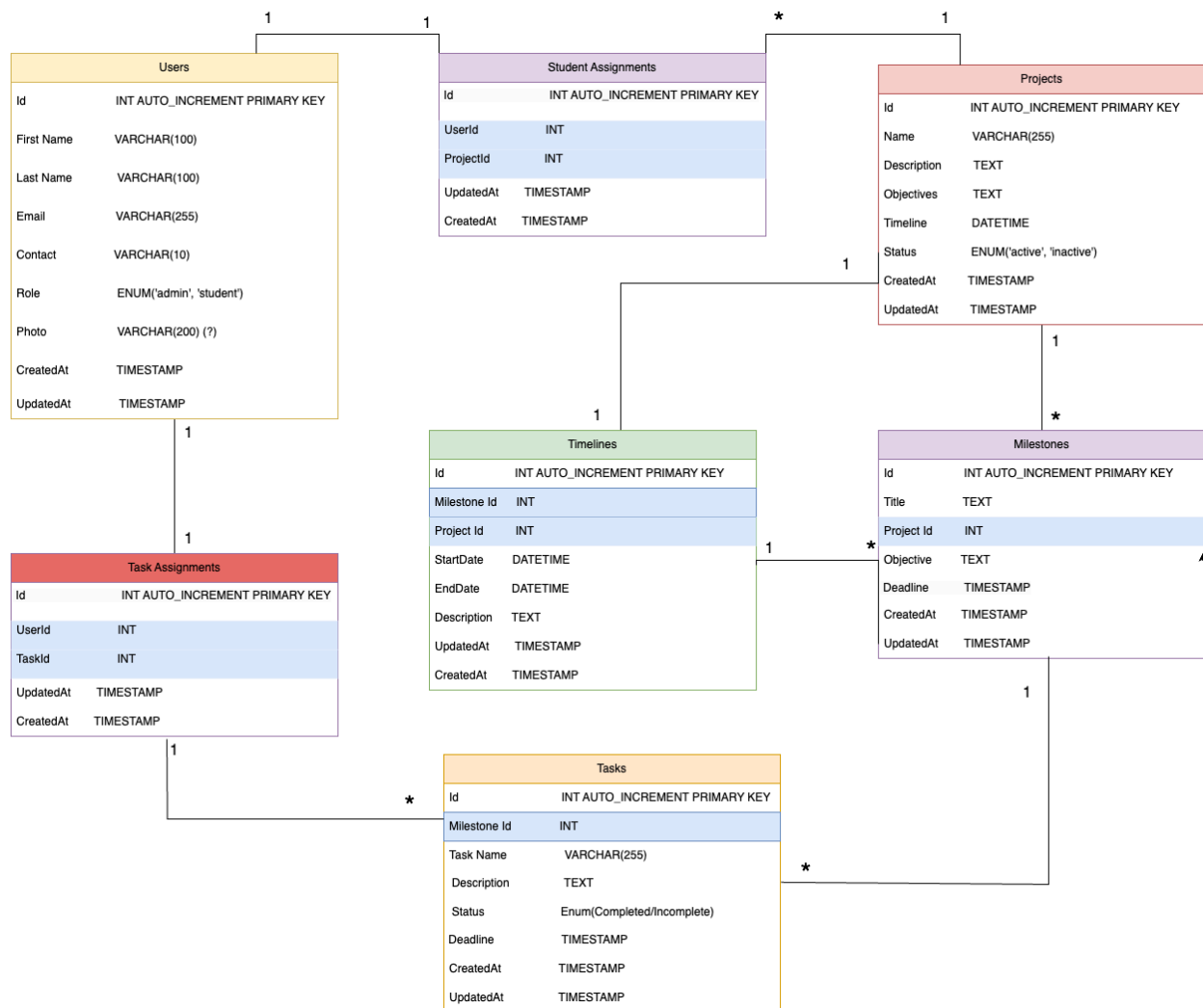
The above two features will be pulled up in sprint 3, as the feature resource management was partially implemented and bugs introduced in this sprint will be resolved in the next sprint.

Burndown Chart



The Jira board was updated after work was completed for this sprint

Design Diagrams



Documentation of Changes

There are no other changes in the first sprint implementation besides the changes in the Team Working Agreement.

Evaluations of Code and Test Quality

- 1) SimpleCov Coverage -
 - a) Cucumber: 90.45%
 - b) Rspec: 94.5%

- 2) Code Climate Report: Grade A; Code Smells: 2; Duplication: 0; Other Issues: 0
<https://codeclimate.com/github/shahakanksha-tamu/teamup-neo-backend>

Customer Meeting

Date: Wed Oct 16, 2024

Time: 9:30am - 10:30am

Place: Zoom

Summary of Discussion:

- Demonstration of Current Project Progress.
- Discussion on the User Interface for the Project Management Hub.
- Discussion on Data Models and Their Relationships.
- Discussion on utilizing appropriate blob storage.

Feedback:

- Blob Storage like AWS S3 should be used to store Project Files

Date: Wed Oct 23, 2024

Time: 9:30am - 10:30am

Place: Zoom

Summary of Discussion:

- Demonstration of Current Project Progress
- Alternative options of storage for resources
- Use of Graph Packages for future data analysis
- Discussion of Student Scores and emphasis on displaying progress charts and graphs
- Discussion on Google Calendar integration

Feedback:

- Focus on key features of the application, including milestone tracking, task management, student score monitoring, and project progress visualizations.

BDD & TDD

- 1) All features developed in this iteration were successfully covered by Cucumber scenarios and RSpec examples except for the resource management feature, as it was partially implemented. This could be covered up in the next sprint.
- 2) In this sprint, we ensured that BDD test cases were created first before the actual development of the features.
- 3) In the following sprint, we will also focus on increasing the test coverage to 100%.

Sprint 2 Jira Board:

▼ Sprint 2

9 Oct – 18 Oct (8 issues)
















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Complete sprint

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#IRA-67	Resource Management	 MVP 2	COMPLETED ▼	5	
#IRA-88	Display of Projects	 MVP 2	COMPLETED ▼	5	
#IRA-66	Student management	 MVP 2	COMPLETED ▼	5	
#IRA-73	Bug fixes from Sprint 1 and increasing test coverage	 MVP 2	COMPLETED ▼	3	
#IRA-65	Display Team Members and Student Information on the Student Dashboard	 MVP 2	COMPLETED ▼	5	
#IRA-77	DB table creation	MVP 2	COMPLETED ▼	2	
#IRA-61	Creation of projects (Create and indexing of projects)	 MVP 2	COMPLETED ▼	5	
#IRA-83	Project overview section	 MVP 2	COMPLETED ▼	5	

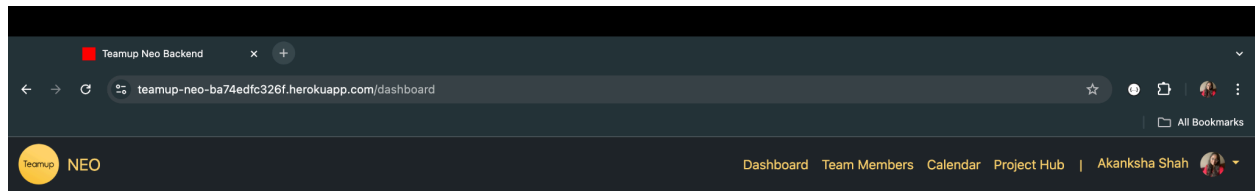
+ Create issue

Feature Implementation Screenshots

Role: Student

Student Dashboard

Displays the project details that a particular student is assigned to by an admin.



Project Overview

Project Alpha

Description	Status
First test project	Active
Objective	
Complete the alpha phase	
Start Date	End Date
2024-9-10	2024-10-10
Know Your Team	View Project

Ability to view team member information and key contacts



Team Members Information For Project Alpha

R

Rahaan Gandhi

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☎ +1 1234567891

Last updated at 2024-10-20

D

Dhruva Khanwelkar

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☎ +1 1234567892

Last updated at 2024-10-21

Key Contacts

Florencia Mangini

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Admin

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Shashankit Thakur

Admin

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Akanksha Shah

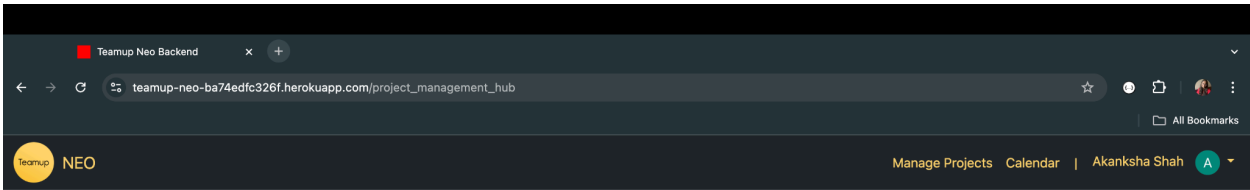
Admin

✉ shahakanksha@tamu.edu

☎ +1 1234567890

Role: Admin

Admin dashboard
Ability to view a list of all projects



Project Management Hub

Project Alpha [View Project](#)

Description	First test project
Status	Active
Objectives	Complete the alpha phase

Project Beta [View Project](#)

Description	Second test project
Status	Inactive
Objectives	Complete the beta phase

Create Project

Feature allowing admins to create a project accessible via the create button on the admin dashboard

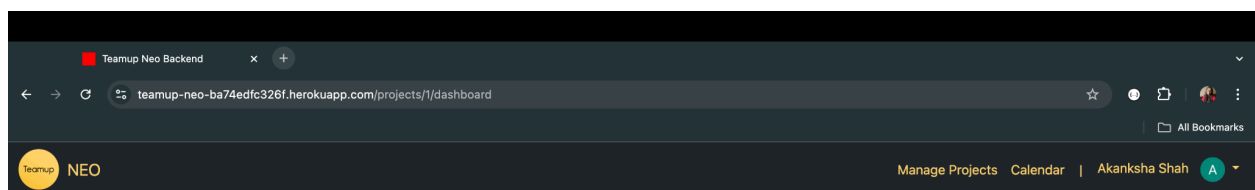
The screenshot shows a web browser window with the URL `teamup-neo-ba74edfc326f.herokuapp.com/project_management_hub`. The page title is "Teamup NEO". The main heading is "Project Management Hub". On the left, there is a sidebar with "Project Alpha" and a "View Project" button. The main content area shows the "Create New Project" modal. The modal has the following fields:

- Project Name:
- Project Description:
- Project Objectives:
- Project Start Date:
- Project End Date:
- Project Status:
- Project Members:

A "Create Project" button is located at the bottom right of the modal.

Admin Dashboard Specific to a Project

Allows admin to manage various aspects of the project like team and resource management.



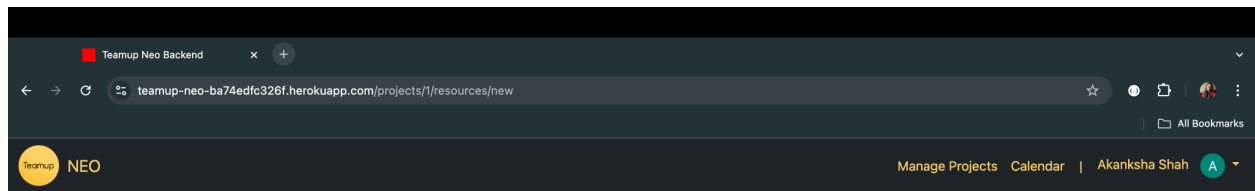
Manage Project Alpha

Resource Management

Team Management

Resource Management

Allows admin to upload, delete, and download resources for a particular project



New Resource for Project Alpha

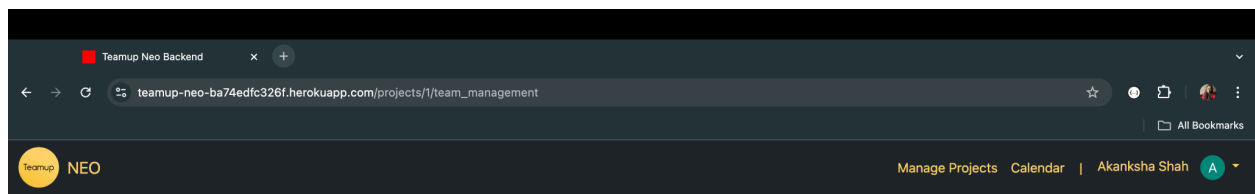
Name

File No file chosen

[Back to Resources](#)

Team Management

Allows admin to add and remove students from a particular project



Manage Team Members: Project Alpha

[Project Dashboard](#)

Team Members

 shahakanksha286@gmail.com	<input type="button" value="Remove"/>
 rahaang99@tamu.edu	<input type="button" value="Remove"/>
 dhruvak@tamu.edu	<input type="button" value="Remove"/>

Add a Student to the Team

Select Student