

# CS 440: Coding Project

Software in Support for Distributed Collaboration

Spring 2021: Group 4  
Cloudgile

# Overview of the project

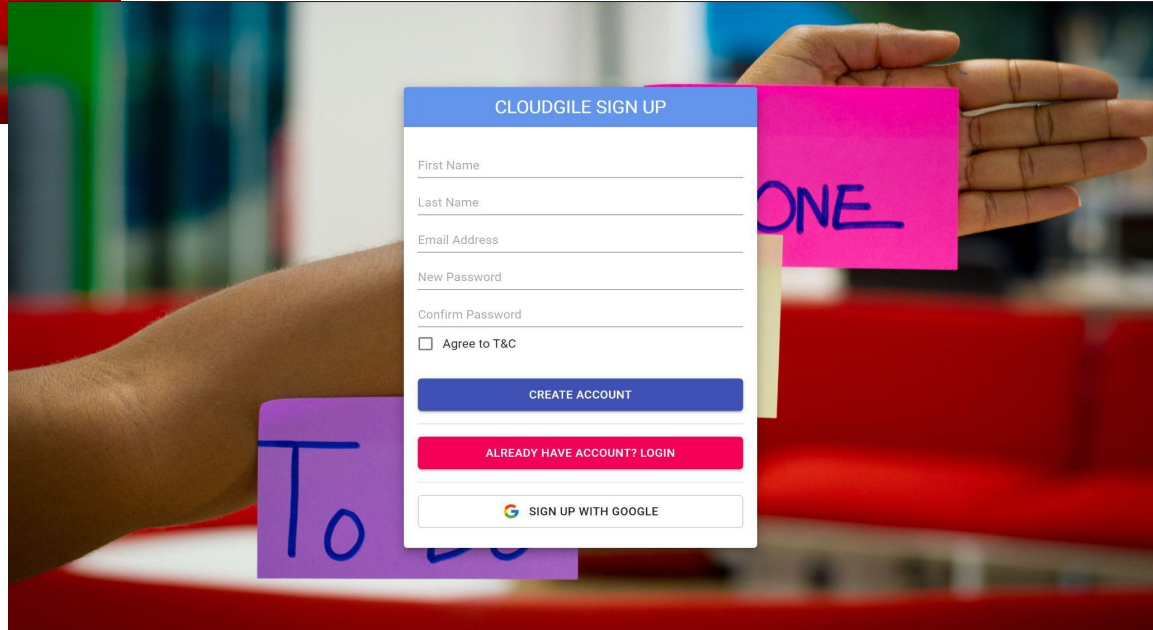
This project is a cloud-based web platform which allows developers and managers to collaborate in an agile environment. The project uses Firebase as a REST API for authentication, authorization and management of a realtime database where all the user data is stored in JSON format and synchronized in realtime to every connected user. It uses React as its front end framework. Also, the project uses React to design and display various UI components and to store their local state.



# Login and Firebase Authentication

- New users can create a new account by Signing in from Google or by entering an id and password of their choice. This will create a new user under the users section in the Firebase Realtime Database.
- Existing users can login through their Google account or by entering their id and password. In this case, the product will fetch the already existing information for authenticating the existing user from Firebase Realtime Database.





# New User Tutorial

- Whenever a new users Signs In, a product tutorial appears on the screen demonstrating basic functionality of the product such as creating a new project, changing the member settings, etc.
- Using this feature makes it easy for the users to access different elements of the product in no time.
- Although this feature can be skipped as per the users experience with such kind of industry knowledge.





## YOUR PROJECTS

Project name

DASHBOARD

Type to Search



## YOUR PROJECTS

Project name	Project type	Project lead	Project category	ID	Actions
test				1f0ea86-5e33-4ed1-63e-8d0d8480bce	

**New Project** ✕

**Project Name**

**Project Description**

**Project Type**

**Project Category**

**Submit**



## May the force be with you

The Force is a metaphysical and ubiquitous power in the Star Wars fictional universe.

[GET STARTED](#)

# Product - Dashboard

- Dashboard displays all the users existing projects as well as any new projects that the user creates by rendering all the information under projects section for each user from the Realtime Database.
- The dashboard offers functionality to create a new project and to refresh the page for any existing project updates by using to circular buttons on the lower right corner.
- Dashboard allows the users to change account settings such changing the username and password, deleting the account, updating the account link and security settings.





## YOUR PROJECTS

Project name

Project type

Project lead

Project category

ID

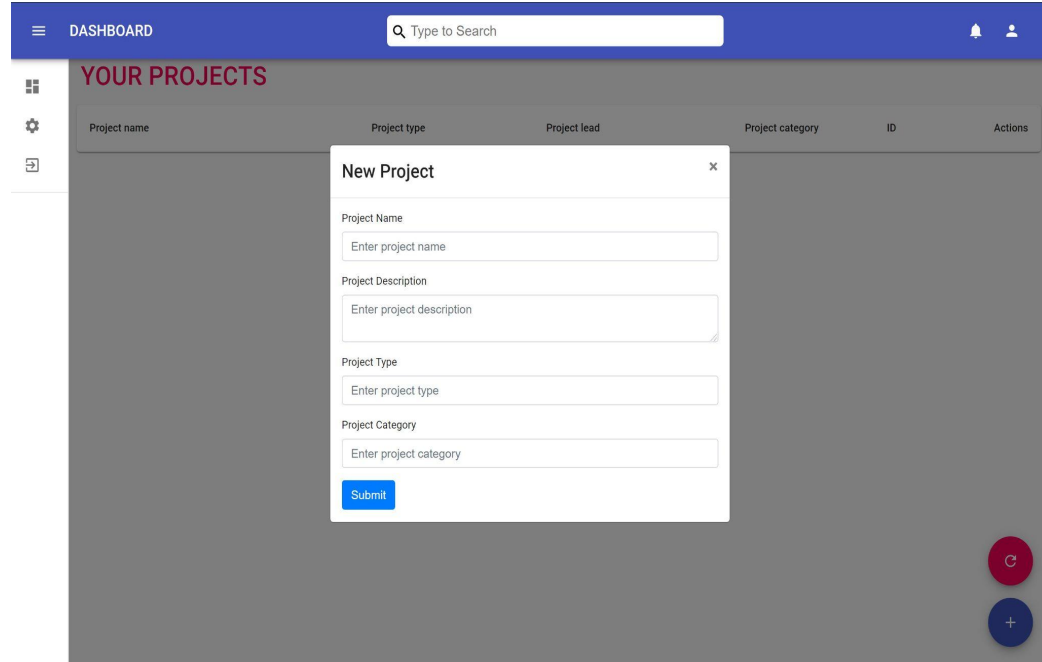
Actions





# Dashboard - Creating a New Project

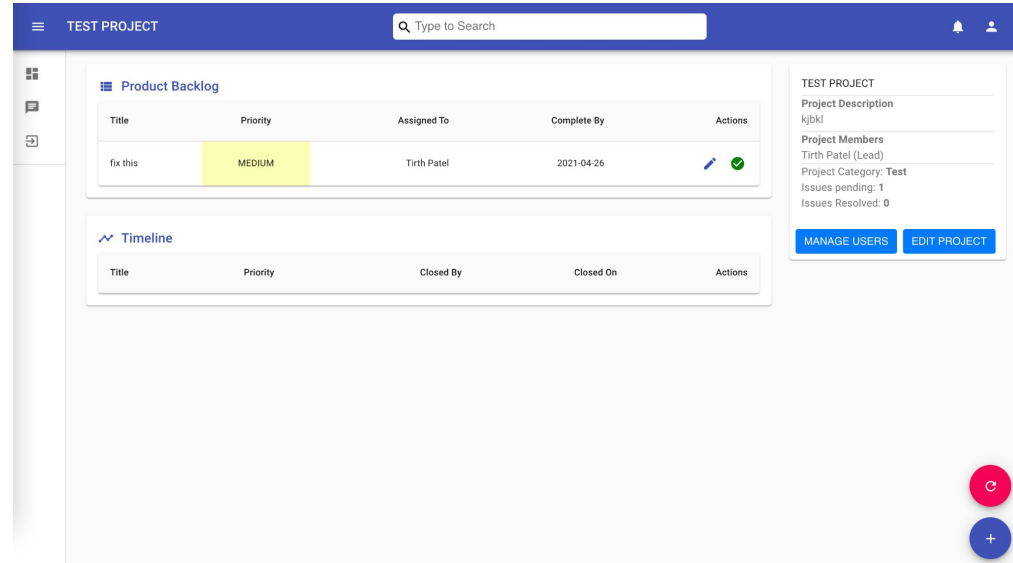
- Dashboard has the functionality to create a new project and it displays all the existing project history with the latest updates on project “issue” by clicking the existing project dropdown.
- All the fields in the project creation form are necessary to be implemented to determine the category of the project .



The screenshot displays a web dashboard interface. At the top, a blue header bar contains a hamburger menu icon, the word "DASHBOARD", a search bar with the placeholder "Type to Search", and notification and user profile icons. On the left, a sidebar shows icons for a grid, settings, and a document. The main content area features a table titled "YOUR PROJECTS" with columns: "Project name", "Project type", "Project lead", "Project category", "ID", and "Actions". A "New Project" modal form is open in the center, containing the following fields: "Project Name" (text input), "Project Description" (text area), "Project Type" (text input), and "Project Category" (text input). A blue "Submit" button is located at the bottom of the form. In the bottom right corner of the dashboard, there are two circular buttons: a red one with a refresh icon and a blue one with a plus icon.

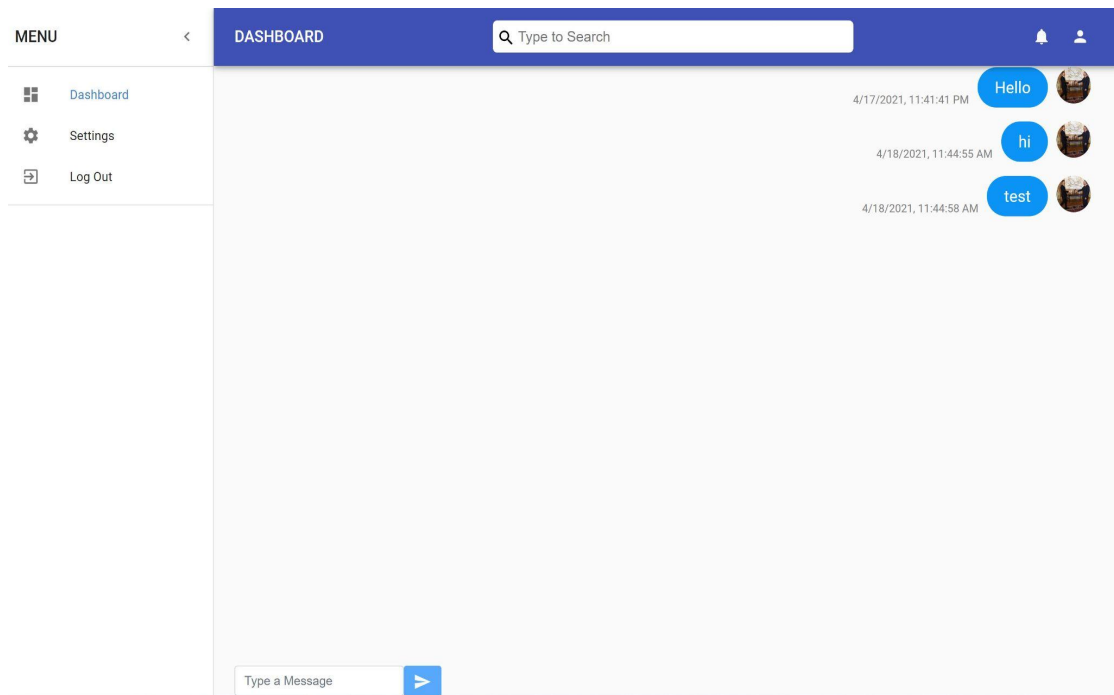
# Project - Main Page/Project Dashboard

- The project dashboard provides functionality to a view product backlog and timeline along with editing the project.
- It provides functionality to manage (add/remove) users to/from the project .
- Functionality to assign issue to different members is available.



# In App Chat

- Cloudgile provides the functionality to chat with project members inside the application.



# Settings Page

- Users also have the ability to change their account settings.

The screenshot shows a settings interface with a dark blue header bar containing a close button (X) and the title 'Settings', and a 'SAVE' button on the right. Below the header, there are three tabs: 'ACCOUNT' (selected), 'LINKS', and 'SECURITY'. The 'ACCOUNT' tab contains several settings:

Setting	Value	Action
Avatar	[Avatar Icon]	[Edit Icon]
First Name	First Name	[Edit Icon]
Last Name	Last Name	[Edit Icon]
Email	Email	[Edit Icon]
Signed in	Signed in	[Logout Icon]
Delete Account	[Delete Icon]	[Delete Icon]

# Next Steps

- Integrate Git with the project that allows version control directly from the application
- The project should support video call, voice call and screen sharing between different members of a particular project.

