

# Group 4 : Final Project Technical Implementation Plan

## Project Description

For our project, we would like to build a forum for Stevens students to help them discuss some of the problems they might encounter. Students can post queries in categories regarding specific courses and other students can upvote/downvote the problem or post their own responses, similar to a StackOverflow post. Students can interact with one another in the comments section on each page. We also hope to expand this to include topics such as events, clubs, or on-campus activities.

## Group Members

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## Course Technologies

- React  
React is a UI component library. We will use react as our single-page web application framework. We will create components for the elements that we include on our pages.
- Redis  
Redis is an in memory data structure store. Redis will be used to cache data and html to improve user experience.
- Firebase auth  
Firebase Authentication is a framework that allows authentication via email/password credentials or other identity providers. We will be utilizing Firebase authentication system to authorize users for the site. This will include email/password, Google and Facebook login.

## Independent Technologies

- GCP (Google Cloud Platform)  
Google Cloud Platform, offered by Google, is a suite of cloud computing services that runs on the same infrastructure that Google uses. GCP would be used in our project to deploy it so that it could be used by all the students in the campus.
- Motion UI  
Motion UI is a Sass library for quickly creating CSS transitions and animations. It would be used on our website to provide a better UI experience to the user

## GitHub Repo

<https://github.com/rohanmenon96/CollegeLife>