

# COSC 484 Project Proposal

Group 9 Members:

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## Overall Goal

Our semester project will be a resource for university students to use when living on or off campus with a focus on the relationships between roommates. The website will be developed primarily toward Towson University, but could be scaled to include another, or a larger network of universities in the future. The site will act as a social media platform on which students could rate each other on various aspects of a typical roommate. Through both self-description and through other's reviews of them the site will be able to allow students to discover from other users who they are best suited for by their preferences for an ideal roommate.

## Use Cases

The site will be developed with the goal of being of service to the students in Towson University. The site must be able to allow students to post the need to find a new roommate to initiate a profile for the student. The profile of each student will be password protected. The student will be able to filter through possible roommates by both personality factors and room prices. New students will provide information about themselves in the creation of their profile. The remainder of a student's profile will be supplied by a past roommates' review of them. Students can access private direct chats with prospective roommates. The user will be able to have a visually pleasing UI that is easy to use.

## Necessary Features

Our project will require a functional database to store information for the students and necessary backend site data. Front end database storage involves storing records of past posts and student profile information. Backend database storage involves the users login data, registration information, and user ids. The website will use HTML, CSS, and JavaScript as the principal languages in the development process. The site will also use email implementation for password recovery.

## Project Schedule

Our project will divide the website into phases implementing an increasingly functional product by the end of the semester. We will focus on building the framework of the website first and begin planning the database by the end of February. The focus of this will be to develop a prototype website that can be added to as the semester progresses by mid to late March..

Once we have a base copy of the website we will design and implement a user interface for the website. We will also work to implement certain database functions into the website. This should be finished by early April. We will then add remaining functionality through the end of April. This would include functional login and password recovery, consistent database implementation, a fully developed user interface, and working webpages. We will launch the website in early May and complete the last round of testing and modifications before we present at the end of the semester.

Github link:

[COSC 484 Project](#)