**PROJECT PROPOSAL**

**Project name: Hobnob**

Being a student is the best phase of life where we make friends and socialize with them. However, this becomes daunting when you are admitted into a large university such as UMass Lowell which has students from different countries and cultures. There are various event groups and programs such as Pair-up program and ENGAGE which organizes various events. Students can attend events and participate in competitions throughout the year. Usually the way in which communication regarding such events occurs is through student email. But what if someone wants to attend the event but it slips through the pile of emails which every student gets? The solution to this is to have a separate website where all such events are listed so any student can login and see all the available events.

UMass Lowell has some cool facilities for students like the Xbox at university crossing where we can play games with friends. So, the question is if I want to play a team game and I do not know anyone here so how will I get my teammates? These situations inspired me to come up with solution which allows students to socialize and host events. The solution is HOBNOB!! Where students can create and host informal events and see all other listed events.

**Key features of HOBNOB**:

1. Organize the events which slip through UML calendar.
2. Web app
3. Focused towards students only
4. Find events near you with help of filters.
5. Rank events.
6. Rate and review events and their hosts.

**Technologies**

As of now following are the most probable technologies that will be used for building the web app. It might change slightly depending on the coding needs. The project will implement the RESTful routing techniques for data handling.

UI/Front end

* React/Router/DOM
* React/bootstrap/D3/Moment
* HTML/CSS

API

* Ruby
* Rails 5
* Mongoid (DB gem)

Tools

* Typescript/Webpack
* NodeJS/Type

Infrastructure

* Heroku(Web Server)