Senior Project Proposition

Milush Yanev

Alvin Heng

Pedro Beltran

Eric Ramirez

Omar Akbar

**Title**: Community

**Description**: Renters everywhere have had an experience where it was cumbersome to pay rent, schedule maintenance appointments, or simply communicate with management or other tenants. We believe this is unacceptable in modern day, high tech society where everybody has a computer in their pocket. We ultimately aim to make communication between tenant and management as easy and fast as possible by providing a fully featured application where tenants can schedule maintenance appointments, pay rent, and communicate with other tenants and management. Moreover, this application will allow management to more easily manage rental properties and tenants.

**Requirements**: For the team to complete the project, it will be divided into two sub-teams, one responsible for the mobile application, and the other one responsible for the web service. Mandatory meetings will be scheduled twice a week – Tuesday and Thursday. The team will be responsible of giving update of the current progress to professor Atanasio once a week, most likely every Sunday. The project time frame is set to 15 weeks starting 01.23.2019. The service must have a login, create user, schedule appointment, pay rent, communicate with residents’ options. In addition to the above, the administrator will have the ability of creating a community, generate unique code for new residents, add new residents, delete residents, overview and change scheduled appointments.

**Tools**: The team responsible for the mobile application will use Flutter, a cross-platform framework for iOS and Android apps. The team responsible for the web service will use JavaScript, HTML, and CSS with NodeJS web framework. Both teams will use Firebase for backend infrastructure.