**Progress Report**

**- Increment 1 -**

**Group #18**

*Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.*

# Team Members

1. Rodjna Pierre Louis
   1. GitHub: rxdjina
   2. FSU ID: RP21K
2. Christopher Laughlin
   1. GitHub: Chris-Laughlin
   2. FSU ID: CJL21K
3. Kester Mbah
   1. GitHub: Kestermbah
   2. FSU ID: km21q
4. Johnathan Gutierrez-Diaz
   1. GitHub: JohnathanGD
   2. FSU ID: JMG21K
5. Alex Bundy
   1. GitHub: alexbundy
   2. FSU ID: AMB21Q
6. **Project Title and Description**

Our Project is titled College Lodging, and it is an apartment search website intended for Florida State college students. Meant to have filters to narrow a search, a map, and the ability to tell how far an apartment is from campus until reaching a student’s particular expectations for their place of choice.

1. **Accomplishments and overall project status during this increment**

Our project now has a true form with what we have done. We have created an admin dashboard where various internal parts of this project may be altered or changed as necessary with new tools available to create role based. Role based access seems to be on the way now with different types of accounts existing such as admin, apartment owner, and user. This role-based access currently does not do anything, but it is in the works with the roles being finalized with things like signing up and logging in accounting for the different types of accounts now.. Also added to the admin dashboard were things like the add property button and the view more button. The add property button adds a property with the information inputted while the view more button allows an admin to see all information about an apartment listing in the database. We also have essentially ironed out the database with it being able to store login information and apartment information. The database is linked to the application, evidence of this is apartments in the database being displayed on the main page while searching. We have also begun to manually input data for display in the database for apartments listings in Tallahassee. The map also required some work which seems to be done, the map working as of now and only needing more data to be input. Caching was added to assist the performance of the application with future amounts of listings. We also worked on the visual aspect of the program by making the main page dynamic so it will adjust with the size of the window as well as edited tables to be numbered so they may be looking through easier. As of now our application really just needs to be ironed out to fit the scope of an FSU based college housing application. The roles need to be fully defined with role based access, extra pages must be created for the apartment owner role to have full control over what is being advertised for their apartment, more base data needs to be input, and a general ironing out of bugs are necessary for this project to be considered complete within the scope.

1. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

During this increment no change of the scope was made, our application is still intended to provide an easy way to view and select ideal apartments from an apartment search for students, while providing a way for apartment owners to get their apartments listed for rent. It is still intended for strictly Florida State University as of now with no real way being available for us to get the data through an API for every campus. Some challenges that were encountered were providing access to the database as well as improving efficiency and security. The database for a while was only accessible by one individual until we broke down how to make it accept more then only one IP for connection. Now everyone is able to access the database but for a couple of days no access to the database was available while we fixed it. Improving efficiency and security was also a challenge, having to learn how to refractor the application to make it run better and to learn about caching to also make it run better. Security wise we have just been working on the role-based access which as of now is not done but the roles themselves are defined so should not be too much of an issue to finish that portion, restricting users to their designated pages. As of now the issue remains that we are forced to manually input the data for FSU apartments however that is just something that will be progressively worked on.

1. **Team Member Contribution for this increment**

Alex Bundy: Did parts 1, 2, 3, 6, and 7 of the Requirements and Design document, created the Implementation and Testing document, created the Progress Report document, populated some initial data for apartments

Kester Mbah: Created the video presentation, did part 5 of the Requirements and Design document, and made it so the database is now linked to the view apartments page making it so apartments display on the main page from the database.

Johnathan Gutierrex-Diaz: Worked on improving the functionality of the map used to show apartment’s locations.

Christopher Laughlin: Made the main page dynamic so it adjusts to window size, also worked on admin dashboard attempting to make an add property button which will add an inputted property and view more button which will show all the information about a listing, and populated some initial data for apartments

Rodjna Pierre Louis: Did part 4 of the requirements and design document, worked on admin dashboard providing the tools to view, edit, and manage users for role based access, made the registration and authentication process to account for the more roles, improved appearance by editing how tables looked, improved performance by adding caching to the project, and populated some initial data for apartments.

1. **Plans for the next increment**

In the next increment we intend to finish this project in its entirety. The final steps to doing this are finishing up the role based access to actually function, finishing up the apartment owner side of things, populate the final amount of data in the database, finishing the admin dashboard, and finishing the liked apartments. Role based access currently exists but does not do much other than prevent every other user from accessing the admin dashboard, this will be changed to consider apartment owners. On the apartment owner side of things we still need to create that role as well as make the pages for them to both create an apartment and edit it. We need to finish populating the data for Tallahassee if no api is made available to us just to show the program functioning with data. The admin dashboard is mainly done but there are certain bugs present that must be ironed out so this will also be worked on. Liked apartments simply does not work as intended so the functionality of this aspect needs to be reviewed. Beyond these things its just general bug testing and visual redesigning as the team sees fit. The program is essentially done, just some none truly essential aspects need to be complete.

1. **Stakeholder Communication**

Dear Stakeholders,

Hello all it’s been a while since our last contact and I just wanted to update you on the progress made during this phase. Overall we have made great leaps ahead and are left with the software just about finished.

We have gone ahead and made the map and apartment listings work on the main page as intended. The map now being able to show where apartments are located and the apartment listings are able to be portrayed in a list next to this map. This is the main functionality that was designated for this software so everything else just builds on top. We have created a full sign up login system for both normal users and admins allowing accounts to be created and saved within the database. With the admin accounts being able to be made this allows you all to designate someone to manage and maintain the site with a dashboard we created to make the management simple. The admin would be able to alter the databases as they see fit, adding or removing apartments as well as accounts on the application given this dashboard. The visual aspect of the program has also been improved with the main page now being scalable with window size, essentially meaning that no matter how small or big your screen is it will still look relatively the same. The efficiency of this program has also been increased with refactoring and caching being implemented. Refactoring is just the rewriting of code to make it more efficient so we essentially just went back and looked to where we could save anytime in the code and did it. Caching is the storage of data that will be reused, essentially making it so a frequently viewed apartment is able to load faster then it would normally.

We understand it was a requirement of yours to have apartments able to be added by a user who owns apartments, as of now the only way to add an apartment is through the admin account however in this last phase that will be a main focus of the team to get done. We will have an apartment owner account able to list their apartment for rent as well as provide immense detail on their apartment like price, address, structure, and available amenities.

Looking ahead our priorities focus on finishing up the entirety of the software. This needs us to finish up the apartment owner side of things, finish putting in the initial data, finish the admin dashboard, and finishing the liked apartments page.

We appreciate your understanding in the change of scope from our previous email however we have begun to look into a way to make this more modular, as of now styles are being developed for other schools across Florida to see if this software could work for more than just FSU. We will keep you updated on our progress.

Best Regards,

Alex Bundy

1. **Link to video**

<https://youtu.be/4GeB7HoO6ds>