**Progress Report**

**- Increment 3 -**

**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

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6. **Project Title and Description**

Our Project is titled College Lodging, and it is an apartment search website intended for 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 has different types of accounts existing such as admin, apartment owner, and user. Also added to the admin dashboard were things like the add property button. The add property button adds a property with the information. There is also an edit and delete button that allows changes to be made to the data base straight from the website. 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. 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. A search feature was added with autofill capabilities that helps the user search for their college. We also implemented a web scraper that gets all apartments near the college that the user entered in. This makes the project applicable to more than strictly Florida State but rather any major university now may be searched around with this application.

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 was originally intended for Florida State University, but it is now available for all college students. With the web scraper, no matter where you go to college you will be able to find apartments near you. Some challenges that were encountered were getting images to be uploaded into the database. The web scraper is a little slow and we tried to make it faster but were unable to in the amount of time we had. Even with it being a little slow it still provides correct information for the user. 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. We also encountered a problem where the UI wouldn’t update right away with the database and would take a little bit to show on the website. However, these problems were outweighed by the potential of the application to be able to work for more than just FSU students which seems to have paid off.

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, fixed addapartment.html to use the styles file, began editapartment.html, tried to make a feedback feature and added different styles for other schools

Kester Mbah: Helped work on getting property information to show on main search page and did part 5 of the requirements and design document.

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

Christopher Laughlin: Implemented the edit and delete buttons for the property screen in the admin dashboard. Also got the property information to properly be displayed on the main search screen and when a user click on a property it will bring up more information regarding the apartment. Created the Video for increment 3.

Rodjna Pierre Louis: Did part 4 of the requirements and design document, worked on admin dashboard providing the tools to view, edit, and delete users. Also implemented the web scraper used for getting apartments around any college. Also implemented the search feature that allows users to search for any college.

1. **Plans for the next increment**

This was the last increment but if there was another one we would focus on getting the filtering to work as well as the other search box and the feature that allows users to like apartments. 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. The feedback option was going to be implemented but due to lack of time was abandoned. 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,

We are pleased to share an update on the progress of the College Lodging website. The website is now nearing completion, with several significant advancements made to improve its functionality, usability, and reach.

**Key Updates:**

**Enhanced Property Management Features** We have implemented edit and delete functionality on the properties screen. This allows users with the appropriate permissions to update or remove property listings directly from the application, enhancing management capabilities from the created admin dashboard.

**Expanded User Base** Initially designed for Florida State University, the platform has now been expanded to serve all college students. This broader scope increases its relevance and accessibility to a wider audience, ensuring more students can benefit from its features as well as significantly increasing potential traffic.

**Search Functionality** We have successfully added a robust search feature. This addition significantly improves the user experience by allowing quick and accurate access to relevant listings.

**Interactive Map and Listings** The map and apartment listings on the main page are now fully functional. The map displays the locations of available apartments, while the apartment listings are shown in a detailed list beside it. This feature represents the core functionality of the platform, providing an intuitive way for users to explore housing options.

**Visual and Performance Improvements** The website’s design has been improved to ensure it remains scalable with different window sizes. This ensures a consistent user experience across devices. We’ve also implemented refactoring and caching to improve efficiency. Refactoring optimizes the codebase, while caching accelerates the loading of frequently viewed apartments, providing a smoother experience for users.

**Pending Tasks:**

**Apartment Owner Features** We are actively working on functionality for apartment owners to add their own listings. This will include detailed inputs for price, address, structure, and amenities. Once implemented, this will align with the requirement to allow direct user-generated content.

**Admin Dashboard and Liked Apartments Page** Final improvements to the admin dashboard and the addition of a "Liked Apartments" feature are also in progress.

**Feedback Feature:** A feedback feature was also in the works where users could report bugs, request assistance, or report incorrect listings. This was unable to be implemented but was in progress.

Thank you for your continued support and understanding as we refine the scope and capabilities of the platform. We are confident these updates and ongoing efforts will result in a robust, user-friendly tool that meets and exceeds expectations. We will keep you updated on our progress as we finalize the last phase of development.

Best Regards,

Alex Bundy

1. **Link to video**

<https://youtu.be/egcwiAuZQrs>