**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

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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.

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

Our project as of now has the basic framework of the pages we will need during the implementation of the rest of the project. We have the main page, an apartment search page, an apartment add page, a sign-up page, a login page, and a header to travel between pages. We have created a styles.css file that will be used to consolidate a style between all pages in the project to be more of a Florida State University theme. A database has been created for both the apartments and signup/sign in portions of the project. The sign up is the only thing that currently has actual functionality within the database, with the table for apartments being set up but not implemented. Several filters are prepared already such as price range, number of beds, and number of baths. The map is currently displaying with the apartment search but as of now no apartments are within the application, so it is blank. Essentially for this increment most html pages have been created, a general FSU style has been established, and the database is in progress with sign ups being currently functional. As of now our project needs a way to insert apartments, a way to select certain apartments for your account, the database for apartments to become functional, the initial data for available apartments must be populated, and more filters for a more specific search query.

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

Our Project has gone through quite a shift since our proposal. Originally the project was intended to be a student housing search for all major universities but since we have had to narrow our scope down to strictly Florida State University. This was due to the API’s we were hoping to use to acquire the apartment information and locations being a business-to-business application, making it so we would be expected to pay a large amount of capital in order to use their API for apartments. The only other way we could think of maintaining the original scope without an API like described would be to use a data scraper on one of these sites, which is considered illegal, and therefore not acceptable. After debate we decided to contact these companies with these APIs to see if we could get access for student application and proceed with creating an FSU only project for the time being planning to manually add the apartments around Florida State. We still await response from sites like Zillow and Homes.com to see if we could get access to one of these APIs but as a collective, we doubt we will be given access. Other than this major change of scope from all universities to strictly FSU due to the lack of access to necessary API’s this increment went well with most of the pages being complete and the database being designed for future implementation.

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

Alex Bundy: Created the implementation and testing document, created the progress report document, made the video presentation, did parts 1,2,3,6, and 7 of the Requirements and Design document, and created the addapartment.html page within the source code.

Kester Mbah: Provided a video for the video presentation to display the current status of the project due to technical issues from Alex Bundy, created the database for storing both login and apartment information, added routing between the html pages, added templating as well as request handling, and moved all html files to a template file and created static folders for images and style (organized the GitHub). Did part 5 of the requirements and design document.

Johnathan Gutierrex-Diaz: Updated the UI on the main page to make it FSU themed after the change of scope, fixed the map that was on the apartmentsearch page and added initial markers for a few apartments, and made a suggested section on the home page.

Christopher Laughlin: Created the initial skeleton of the website. Made the main page, the apartment search page, the login page, and the signup page.

Rodjna Pierre Louis: Did part 4 of the requirements and design document, and made user authentication and registration within the database.

1. **Plans for the next increment**

In the next increment we hope to achieve quite a few milestones. One of the primary goals is to enhance the functionality of the apartment search by populating initial data of the apartments to be able to search around Florida State. Additionally, a list for every account of liked apartments must be added, with a user currently not being able to save an apartment they enjoy. The database also needs to be changed, as of now it is local, and we feel the need to make it remote so anyone can access the same set of data. The ability to manually add apartments must also be improved, as of now the page exists but lacks any functionality. More filters are also planned, things like if the apartment has a pool or pet friendly will be included within the filters to further narrow the search. There is also a general plan to tidy things up, with the pages being good but able to be improved visually. In general, the plan for the next increment is to add functionality to most of our features on display dealing with the apartment search as well as tidy up the pages for a more visually appealing program/

1. **Stakeholder Communication**

Dear Stakeholders,

I hope this message finds you well. I am writing to provide an update on the progress made on the ApartmentSearch web application. We have made notable progress but have had a major setback that we must discuss.

Beginning with bad news, the major setback is we had to shift the focus of the project from apartments near all universities to simply apartments near Florida State University. This is due to the tools necessary (referred to as APIs) to obtain the information across all universities about their apartment options costing a significant amount from websites like Zillow and homes.com. It was assumed that if you were willing to make this investment, we would work with the API to provide the original scope, but as of now our plan is to provide strictly the data for Florida State University as a template of sorts of what could be made for every other university if we were provided the API necessary. I believe this still provides the company with all the application needed, with this template being able to be applied to a project for all universities later once the tools necessary are acquired. Beyond this setback the general design of the project has developed significantly.

Our focus during this increment was to get the frame of your application working so we could visually see what we need to add behind the scenes to achieve functionality on all parts of the front end. All pages for the application are created, though some may need their design to be enhanced all required pages are currently made. A user may go from the home page to the apartment search page as well as make an account and login, with the page for adding an apartment to the list of the search being made but not functional. The apartment search page currently has filters for things like rent and amount of bedrooms as well as a map to see where the particular apartment would be located relative to campus.

The initial database has also been created. This means that the signup/login info is being saved as well as the list of apartments that are planned to be added are ready to be saved. There is no data currently within the application dealing with apartments but during this next increment this is planned in order to be able to test if the application functions with basic data.

Looking ahead our priorities focus on providing functionality to the pages made. The plan is to populate the apartments database for initial data, make the addapartment page functional, make the list for every user of apartments functional, and ironing out the design of the application.

We appreciate your understanding and willingness to shift the project as we navigate through these hurdles in development. We will keep you updated on our progress and look forward to our next interface to discuss progress.

Best Regards,

Alex Bundy

1. **Link to video**

<https://youtu.be/LTEpf-r_1yw>