RPIXplore

Project Leads/Contributors:
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Description:
RPI currently has no dorm website that properly displays all information regarding dorms at RPI. The resources that do exist to learn about dorm life at RPI are lacking. rpirooms.com is an outdated resource and overall isn't well made, and the student living and learning website contains outright wrong information and is a poor resource in terms of content. Using a modern tech stack, RPI Xplore aims to become the number one dorm resource for the entire RPI community, from prospective students to juniors entering their last year. Users will be able to browse all information ever needed on RPIXplore. What does this mean? We will be providing users with 3D LIDR scans of rooms, room-specific information, up-to-date images, and a discussion forum for any questions left unanswered. We hope to become the RPI community's first and last stop for all things dorm by centralizing all data and questions to reduce the need to search between different forums such as Reddit, Facebook, and Discord.

Expected Progress:
WIth our front end nearly fully developed, this semester is about setting up the back end, creating a discussion forum, resources page, and hosting the website for the community. As a solo group, realism is key and the focus will be on attainable goals. First priority will go to creating finishing any undeveloped parts of the project from last semester, then making the discussion forum. After that, setting up the backend and any server side components is next, and lastly, figuring out how to host. End goal is to have something hosted and out there to nurture interest for the purpose of bringing in more helping hands.

Milestones:

By weeks end…

June 7: Submit pitch

June 14: Wireframe discussion forum, research

June 21: Finish undeveloped features from last semester

June 28: Work on discussion forum

July 5: Summer break

July 12: Work on discussion forum

July 19: Learn to host, make steps to host

July 26: Add more data to the website, figure out if backend is necessary to host(currently using JSON data)

Aug 2: Host with as much data as possible

Aug 9: Present

Stack:

MongoDB

Express

React

Node.js

TailwindCSS

Flowbite

AWS (maybe Azure if something goes wrong)

GitHub

https://github.com/bezerg 04/RPIXplore