MapCU

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Project Description

Our project depicted the steps to get from a particular area within the engineering center to another. This was done by analyzing the maps of the different sections across the engineering center, and deciding which particular rooms can be grouped into one section, as instead of giving instructions from each and every room, this would allow us to simply give directions from a group of rooms. As the users access the website initially, they will be asked to create a username and password, which would then be stored in the database, once they have done so, they will be able to login and gain access to the contents of the website. Once in the website, the users can access the maps of each individual room sections of the first floor of the building, the website of the engineering center (which are both available in a drop down menu at the top left), or enter their current destination and the place they would like to visit within the first floor of the engineering center. Instructions will be given based on the significant landmarks nearby such as bathrooms, lobby, and main entrance doors. Future add ons to the project would be a location based map that would come up along with the instructions. This would allow people to see where they are and have to go as well as having instructions.

Project Tracker

Google Drive Kanban Board

https://drive.google.com/open?id=1tUdnFGMW8TEkG-bP1K-htgmwgP8ZyEtEg9XV5_G_IGU

(Queue tab has more detail)

VCS/Code

https://github.com/DysonTheSphere/MapCU/

(Video included! In repository, but included in gitignore file to be not tracked)

Contributions

Ryan Jones:

https://github.com/DysonTheSphere/MapCU/commits?author=ryanjones249

I worked a little on the front end using HTML, I worked on all the milestones and presentations, and I worked on data entry for the directions. The main thing I worked on was testing the website thoroughly. I worked on fixing edge cases. I didn't use github as much as I should have through the project working on more content than coding. I mainly worked in HTML for coding with a small amount of SQL.

Chance Martinez:

https://github.com/DysonTheSphere/MapCU/commits?author=Chance-Martinez

I helped contribute to some of the project management, planning, and conceptual aspects of MapCU. This involved helping facilitate in person discussions and planning of who wanted to do what parts of the project, when we could still meet that way. This of course started to fall apart in the middle of the semester and I would be the first to admit my involvement dwindled. As far as concrete contributions, I worked with Phalgun early on in getting a static HTML prototype of the various pages we envisioned this would use and even though none of that ended up getting used, it helped with later iterations. I was also present on discussions on the conceptual layout of the database and brainstorming various ways the data could be organized.

Phalgun Taman:

https://github.com/DysonTheSphere/MapCU/commits?author=Phalgun4

I created most of the database, which involved determining the instructions on how to get from one point to another, along with the number of rooms we would be providing instructions to. I tried to divide the rooms based on the location and size of a particular section (such as ECAE, ECCR, etc), and while doing so, I ensured that the groups only consisted of rooms in a single section, for example the groups would not include rooms from both ECAE and ECCR. I also added the page which consisted of maps of each individual section throughout the first floor of the Engineering Center, which was later shifted to a page within the drop down section. Another thing I did included making the design flow chart (which is attached in milestone 5) along with making the initial design of the front end, which included the HTML pages without any of the actual content.

Gregor Tzinov:

https://github.com/DysonTheSphere/MapCU/commits?author=gtzinov

I set up the initial database with the creation of the tables as well as the query to extract the information the user needed. I also developed the majority of the middle layer server js file, as well as developed UI visuals and integration with the backend. MapCU logo was designed through Canva, the database was written in Postgres, the middle layer was developed with NodeJS, and the front end was developed through HTML, CSS and Javascript, with additions of Bootstrap and JQuery libraries.

Daniel Winston:

https://github.com/DysonTheSphere/MapCU/commits?author=DysonTheSphere

I contributed to the organization and communication of our group by setting up our repo and discord with VCS tracking. Over time as catastrophe struck, I found myself less and less able to contribute as much as I would have liked to. I attempted to host our application through a Debian VPS, but was unable to get our NodeJS and Postgres working in a satisfactory timeframe. I would say that my main contributions were conceptual and organizational in nature. For example, ensuring that the scope of our project was going to be accomplishable while we lost all ability to test it in the real world.

**Added links for github commits for each individual instead of screenshots, as they could take up too much of the space.*

Deployment: https://mapcu.herokuapp.com/