CS 326 Startup Assignment 06: Adding a Web Server

Charles DeAngelis, Zineb El Mechrafi, Meghana Arvind,
Tenzing Yangla Lama, Moussou N'Diaye
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HTTP Requests/Routes
GET getProfileData [profiledata]
- extracts the data from a user's profile
- replaces getProfileData
- It accesses the userdata in the DB
- A user can only access the profiledata with the same ID as them in the situations of accessing their profile

PUT updateProfileData
- updates the user information in their profile
- replaces updateDocument
- It accesses the userdata in the DB
- A user can only update the profiledata with the same ID as them in the situations of editing their profile

GET getCitiesData [citiesList]
- extracts the cities from the database
- replaces getCitiesData
- It accesses the city data in the DB
- Any user can access this data when they go to look for cities

GET getUsersByCity [usersList]
- extracts the users from the database based on their location matching to a queried city
- replaces getUsersByCity
- It accesses the city data in the DB
- An Admin can access this data when they go to try and make a match

POST resetDatabase [database]
- Resets the database to the defaultstate
- replaces ResetDatabase
- Access the Database, and Modifies it back to the default state
- An Admin can access this for debugging purposes

Some Requests/Routes still unimplemented. See Lingering Issues Category. Matching Algorithm and Search were domain of previous member, and haven't been accounted for yet by the group alongside current workload.

<u>Special Server Setup Procedure</u>
None.

<u>Individual Contributions</u>
- ***Charles DeAngelis***: Fixed the existing issues for edit-profile page going into this workshop. Including Pulling and Pushing to Mock DB. Worked on HTTP Routing/Requests. Worked on getting Edit-Profile changes and figuring out future implementation for Matching Algorithm. Wrote up report, and did work in report on HTTP Requests/Routes + Lingering Issues Category.

- ***Zineb El Mechrafi***: Worked on correctly displaying the data on the profile page using the mock server (The user information was displaying incorrectly) and fixed the routing for the edit profile, now it can leads to Charles page for profile editing. I also worked on setting up the client and server folder and removed the mock server. I also helped in making the server run on npm run watch. I added a getUserID function to the server.js file in server which will communicate with the database to pull out profile information. I am still experiencing bugs because it's not correctly displaying the profile yet. I am hoping to finish that and then help with the result page.

- ***Meghana Arvind***: Since my page (the about page) has generally been a lighter workload than all of the other pages, I worked on modifying the results page, which is what Kyle has been working on. I removed the sidebar on the right side of the page, where the user can search by city name, state, climate, and population, as that is not necessary for this page. I also edited the results that are displayed, so that provides the matching factors (i.e location, climate, etc.) on the right hand side of the page, so that host knows why they were matched to this city. I also added information under the "Who We Are" and "FAQ" sections of the about page, as right now, both of those sections do not have any information about our project.

- ***Tenzing Yangla Lama***: I continued working on the forum page. I am rewriting the html for this page because the earlier code didn't work well with react components. I am implementing functionality to the forum page and fixed routing to the page from navbar. Currently, I am implementing minimal functionality(ask question, answer, upvote) on the master branch to get the forum page up and working on additional functionalities (categories, share, save, dynamic myForum) on the forum branch. Also, I worked on resetting database, error handling and modifying package.json. I am also starting to look over the matching algorithm so hosts can be matched to cities.

- ***Moussou N'Diaye***: I cleaned up some inconsistent elements of our pages: I fixed our home page so that it's navigation menu matches the navigation of the rest of the site. I also deleted the "search for cities" searchbar from the page, since that functionality is unnecessary on our homepage. The majority of the home page is currently white space because i'm going to redesign it soon to be more of an attention-grabbing splash page. I'm also working to transition elements of our mock database to be a more practical database - a database of sanctuary cities in the U.S. for the user to choose from.

<u>Lingering Bugs/Issues/Dropped Features</u>

Since the last startup we have had a dropped member. Kyle was responsible for the Results Page, and the Search/Match functionality on the project. He was also doing work with the Mock DB, but that should be inconsequential now. As of right now, the functionality of his parts are incomplete and we're figuring out how best to split up his work in the future to the current group members. The parts he worked on are important to the overall theme of the project, so we're trying to see what functionality in other areas to drop to compensate for less people. As of right now the main change is looking like some planned functionality of the Forum will be dropped in favor of a simpler implementation to allow for more time and resources to go towards the parts Kyle was working on. We're also thinking some of us with lighter workloads in the upcoming SAs will pitch in too to these aspects of our project. As the Search and Match Functionality of the Project were Kyle's portions, and part of the Server, they're not currently included.

Another thing to note is that currently the Edit-Profile implementation is going to be changed. This means that the open-response style of information that we're taking in needs to changed to more pre-determined selections. We'll probably be changing this page to include drop down menus with predetermined selections, and then using this lower domain space to our advantage when we use our matching algorithm (which should also be a simpler problem to solve since it's predetermined choices). As for the current implementation in the project, we went forward with this startup with what we had, and we will change it for a future submission.

For the forum page, we are not having top questions but the most recently asked questions show up similar to the facebook feed. Since this page has a lot of components, I am only working on the most important like having asked questions show up on the forum and the ability to upvote and answer it. Other features like having question grouped in categories and having a separate myForum page for each user will only be implemented if there is time.