The University of Kansas

EECS 448 - Project 3

Hairbnb - Barbershop App

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**Meeting Log**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Date (x = present) | Miller Bath | Adam Wallace | Alex Wittman | Allen Lu | Teddy Kahwaji | Location | Notes/Outcome |
| 3/27/19 |  | x | x | x | x | Integrated Science Building | Assigned tasks, Gantt Chart, Set up Android Development process |
| 3/31/19 | x |  |  |  | x | LEEP2 | Figured out admin control page, now a list of contacts with a card for each item in the list with different attributes assigned to the contact. |
| 4/1/19 | x | x | x | x | x | EECS 448 Scrum | Discussed JSON usage for the prototype troubleshoot displaying JSON-read in app |
| 4/4/19 | x | x | x | x | x | LEEP2 | Worked on documentation along with subgroups progressing on general prototype features |
| 4/8/19 |  | x | x | x | x | LEEP2 | Merged all class files to have a final prototype up and running. |
| 4/9/19 | x | x | x | x | x | Discord | Final documentation and ensuring the app is ready to present tomorrow morning. |
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**Work Split**

1. Login/Signup page (Alex Wittman)
   1. A user opens the app and can either log in as an existing user or create a profile as a new user. The page has two tabs, one for the login page and one for the sign-up page. The login page consists of two input fields, one for user email and one for the password. The sign-up page consists of a form that has 3 steps, one for login information, the next for personal information, and finally one for the user image. When the user submits these forms the data in these forms will eventually be uploaded to a database and stored for later use, but for now it just displays the data as a json.
2. Main admin Page layouts and structure (Bo Hui Lu)
   1. The admin file is responsible for controlling all the rendering of different pages when the user taps on any of the tap on the navigation bar on the bottom of the app. It basically triggers a setState function when any tap is tapped on the bottom, and it would mark the current page “dirty”. It finally re-renders the page the user see by returning different widgets designed for different taps to the body of the app.
3. User profile (Adam Wallace)
   1. The ‘Your Profile’ page was responsible for accessing data from a JSON server using a Future, then displaying the received information within a FutureBuilder. Much of the development time for this page was spent figuring out how to successfully convert an HTTP.get request into a class. Once that was completed, all that was left was to integrate Miller’s profile picture design and a ListView containing information from the JSON.
4. Customer List (Teddy Kahwaji & Miller Bath)
   1. The customer contact page provided similar functionality to a contacts page on a cellphone. However, its data was accessed through the JSON server utilizing the HTTP get method and a Future call. Moreover, the data displayed can each be accessed individually; this allows the Admin to pull up specific details about a particular customer.

**Challenges**

1. Using a new coding language/IDE/Emulator
   1. This project was challenging in many ways, but mostly in the fact of having to learn the ropes of the new development environment while also learning a new coding language. There was a lot of documentation to help aid us in figuring out functions and the general structure of Dart, but nonetheless, it was a challenge to figure out how to intelligently and efficiently implement the ideas we had.
2. Integration of Files
   1. Integrating each group members files was challenging due to the Flutter nuances. For instance, each widget that returned scaffold did not link properly; this meant that some code structure needed to be changed to maintain the Flutter tree functionality.
3. JSON Linkage/Networking
   1. Adam and Alex worked on the networking trying to troubleshoot the way that Dart interacts with JSON files, how to save and create certain keys and their values, and all together implement data from an external source into our native app.
4. Different properties in Flutter
5. When I was working on the layout and structure for the admin page, I need to make sure this “main” file is able to control and handle all the interaction with the user. I had to go back and forth from the Flutter documentation and writing the actual code for the apps to find all the properties I wanted to have. I also need to figure out when to use which widget (Flutter) for different pages that are going to be rendered.

**Demo Features (that didn’t make the cut)**

1. All ideas that we have not implemented but want to for the final project.
2. Revised User profile/UI theme.

**Retrospective (What we would have done differently)**

1. Planning
   1. Planning the features of the app, making sure that the entire team is on the same page before going out and developing our assigned parts of the project.