



Pediatric Emergency Medicine Application

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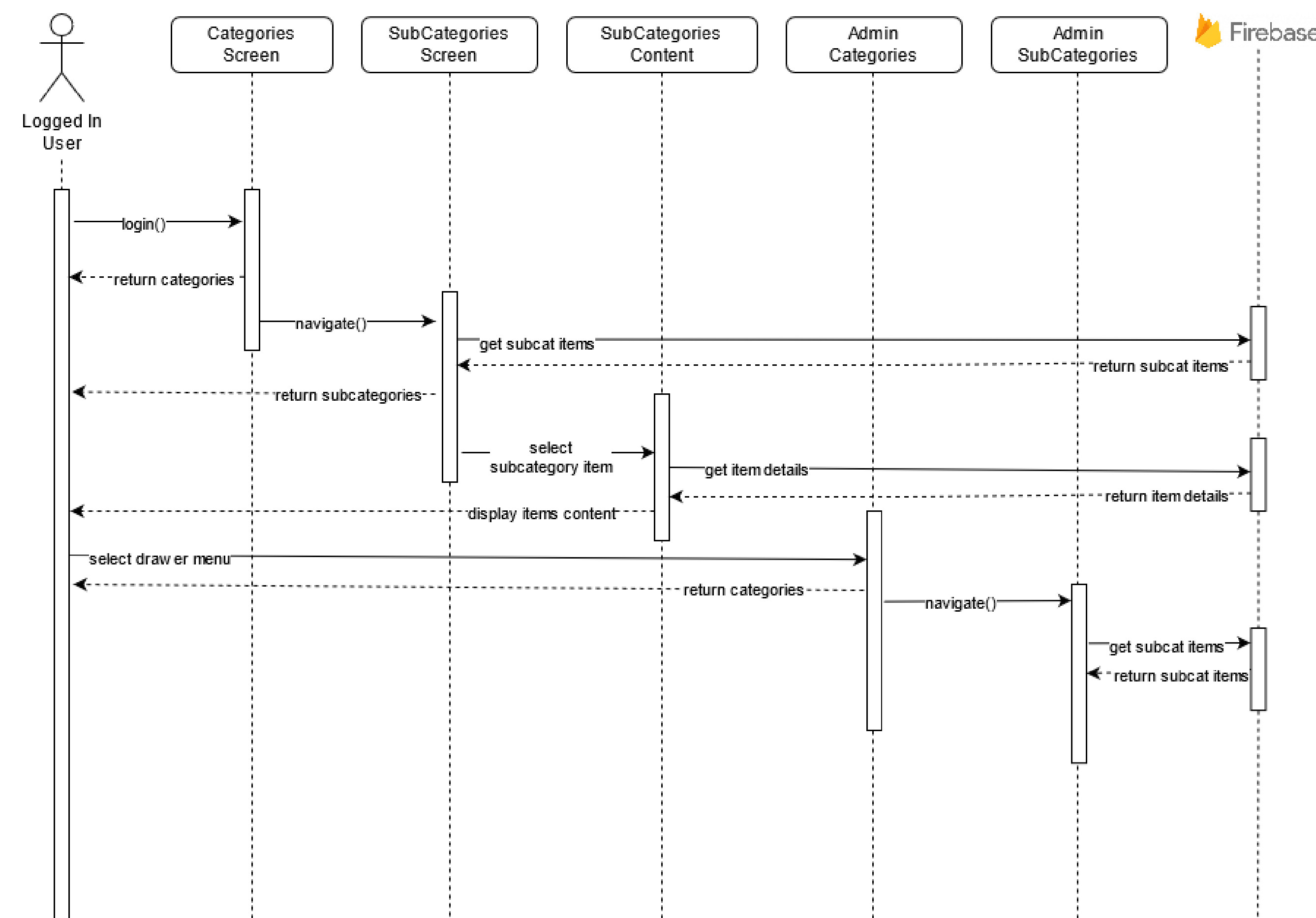
Mentor: Jean Hannan and Bruce Quinn

Instructor: Dr. Masoud Sadjadi, Florida International University

Problem

Medical professionals play a critical role in today's society. The purpose of this project is to provide healthcare workers with quick and easy access to detailed information about common medical emergencies. The app also has the capability to function as a communication tool between healthcare workers. The project brings together useful information and communication tools in one single place with ease of use and reliable service.

Object Design



Verification

- Each item listed within the Categories and Admin Categories screens should have the subheadings corresponding to its category.
- Subheadings per Category:
- Medical & Surgical: Evaluation, Differential Diagnoses, Management, Medications, References
 - Trauma & Toxicology: Evaluation, Signs/Symptoms, Management, References
 - Foreign Ingestion: Evaluation, Management, References

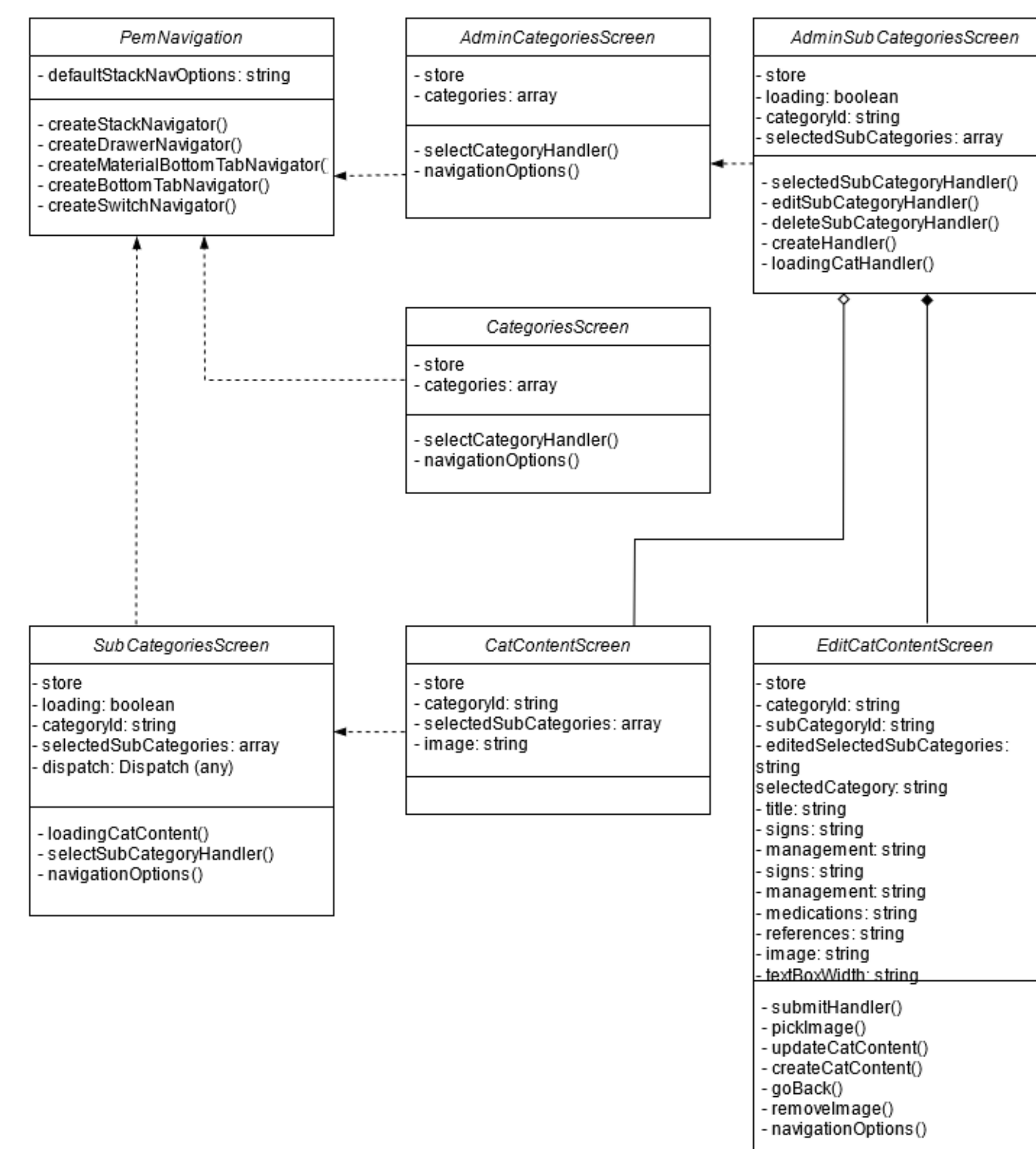
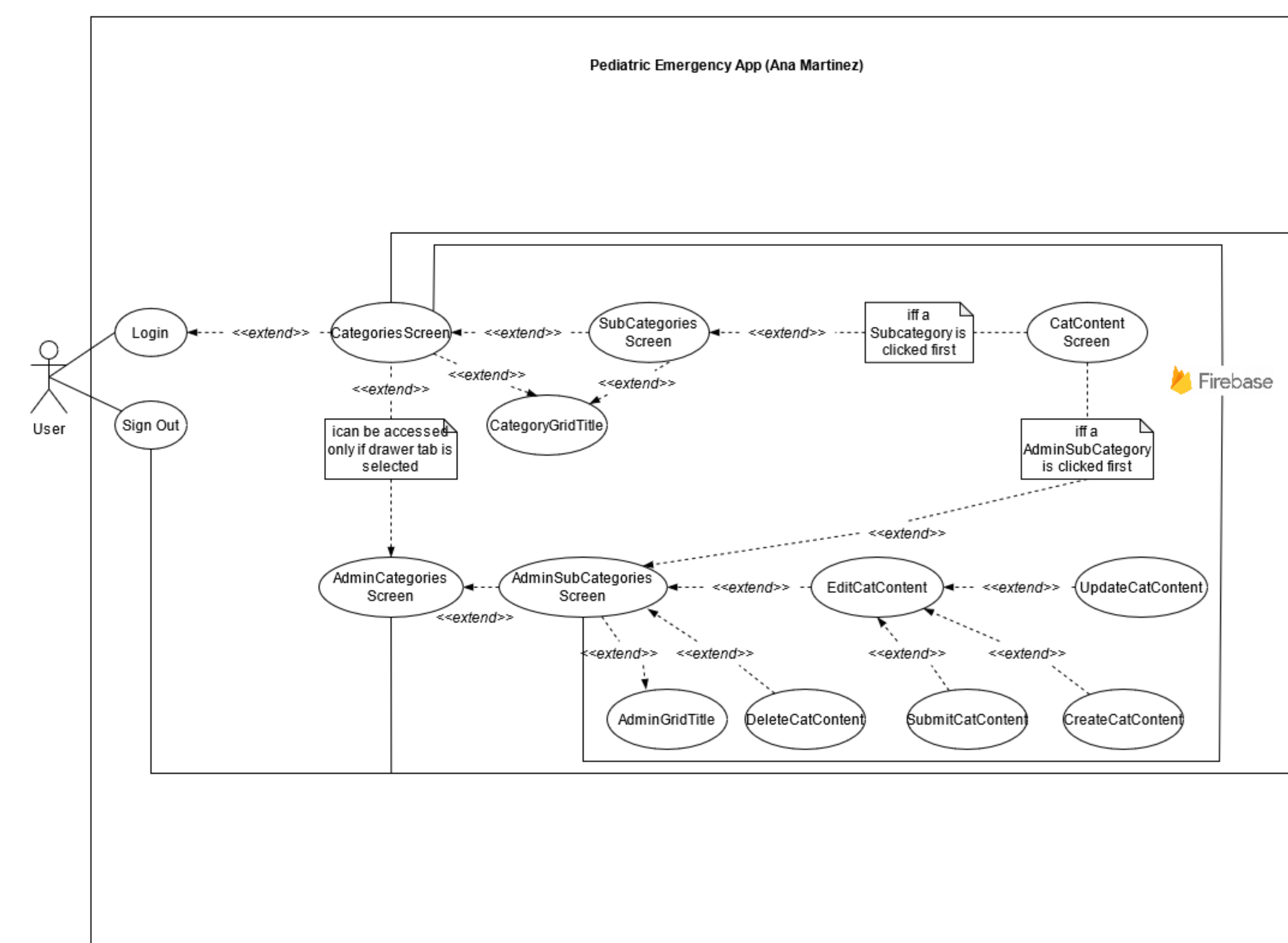
Acknowledgement

The material presented in this poster is based upon the work supported by Jean Hannan and Bruce Quinn. Thank you to both for their cooperation and mentorship throughout this process. Also, thank you to my teammates for their hard work, dedication and great team effort.

Current System

The latest version of the Pediatric Emergency Medicine Application (PEM App) is 5.0.0. This version includes new and upgraded functionality such as a fully functional chat, password reset and alphabet scrolling for Android and Apple users. The current version will give continuing students the opportunity to build the user roles.

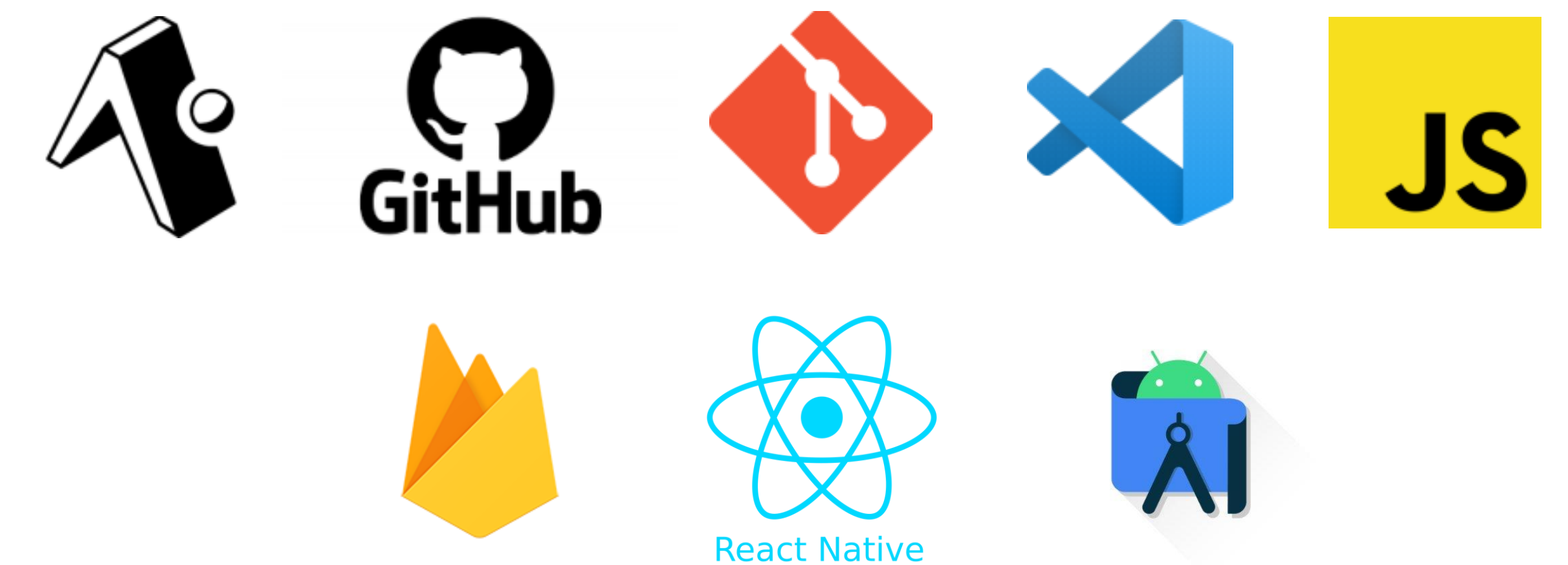
System Design



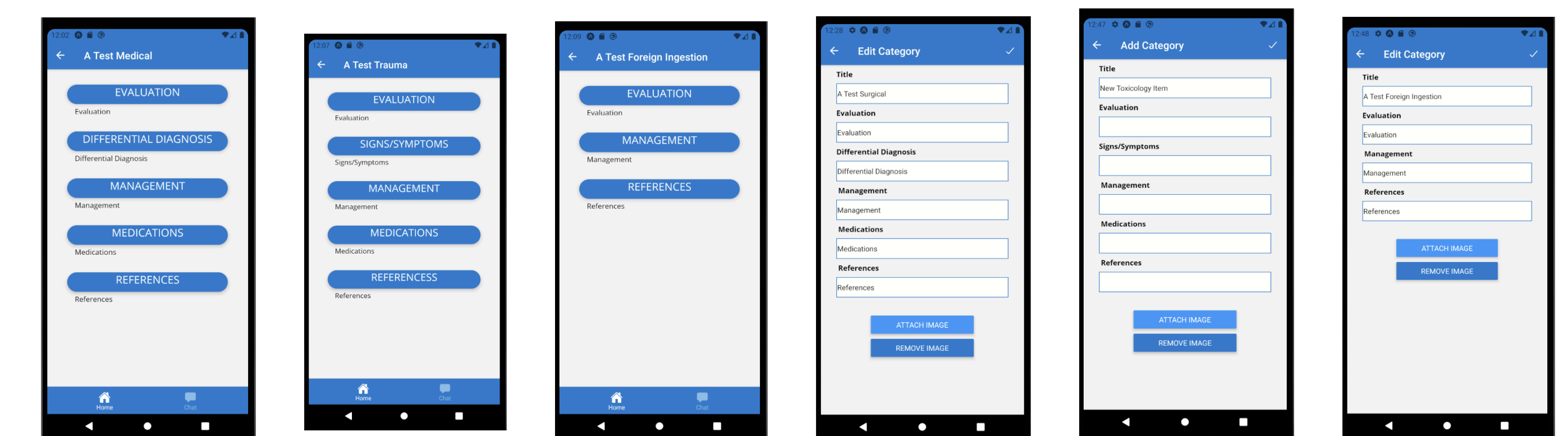
Requirements

- Display customed subheading based on the category selected
- Sort alphabetically the items under the Admin Categories for easier search when editing
- Display the list of categories without any extra space and changing the background color for consistency
- Remove image for all the items when displayed on the lists for consistency in the displayed data

Implementation



Screenshots



Summary

The updates made this semester to the Pediatric Emergency Medicine Application (PEM App) will allow medical professionals to use the application more efficiently. Improving the adaptability of the user interface to different screen resolutions will make the app more accessible to a wider range of users. Capstone I members continue to familiarize themselves with React Native, React, and PEM source code. This will allow for a smoother transition for their upcoming Capstone 2 course.