

## PROBLEM

For medical workforce every second matters and quick access to reliable information and immediate communication can define a crucial moment in patients lives. The necessary tools at the right moment can make a difference on how healthcare is deliver. The need for a portable/mobile application in pediatric medicine that implements all the facts stated can be vital for emergencies and urgent care in the field.

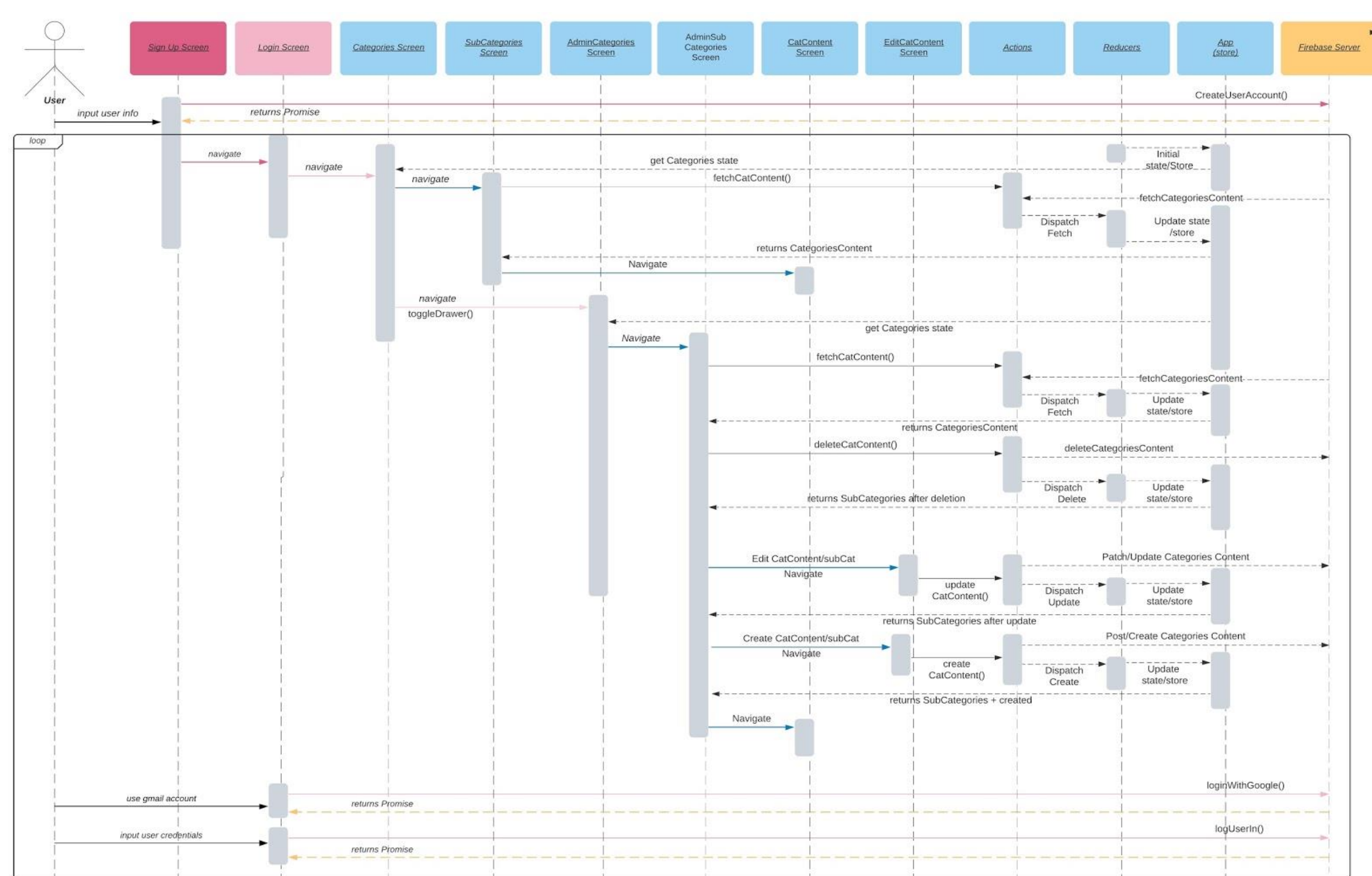
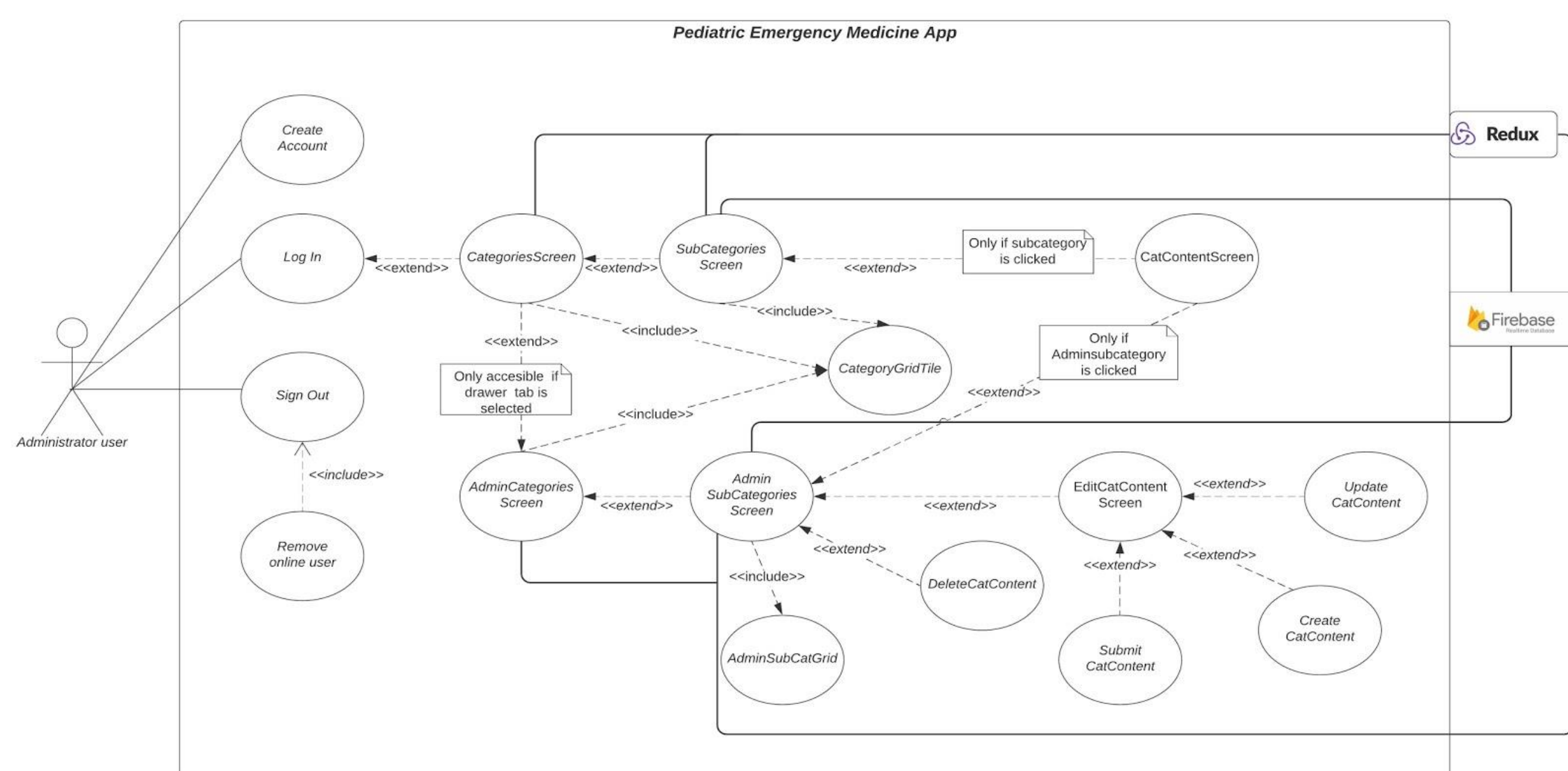
## CURRENT SYSTEM

This is the second version of the Pediatric Emergency Medicine Application. The current system provides administrators and medical staff significant new features such as administration panel interface, where specific staff with admin privileges can Edit, Create, and Delete Categories with reliable Medical Information, automatically saving it in a secure server and displaying it within the App. Clipboard is functional in the categories content input sections.

## REQUIREMENTS

- Let Admin- users can access the panel through the drawer.
- Let Admin-users get access to Edit, Create and Delete functionalities
- Let Admin-Users Edit, Create and Delete categories content with medical information, including title, evaluation, management, medication, symptoms and Images.
- Data must be saved in secured Firebase server and display throughout the application.
- When clicked categories data is displayed

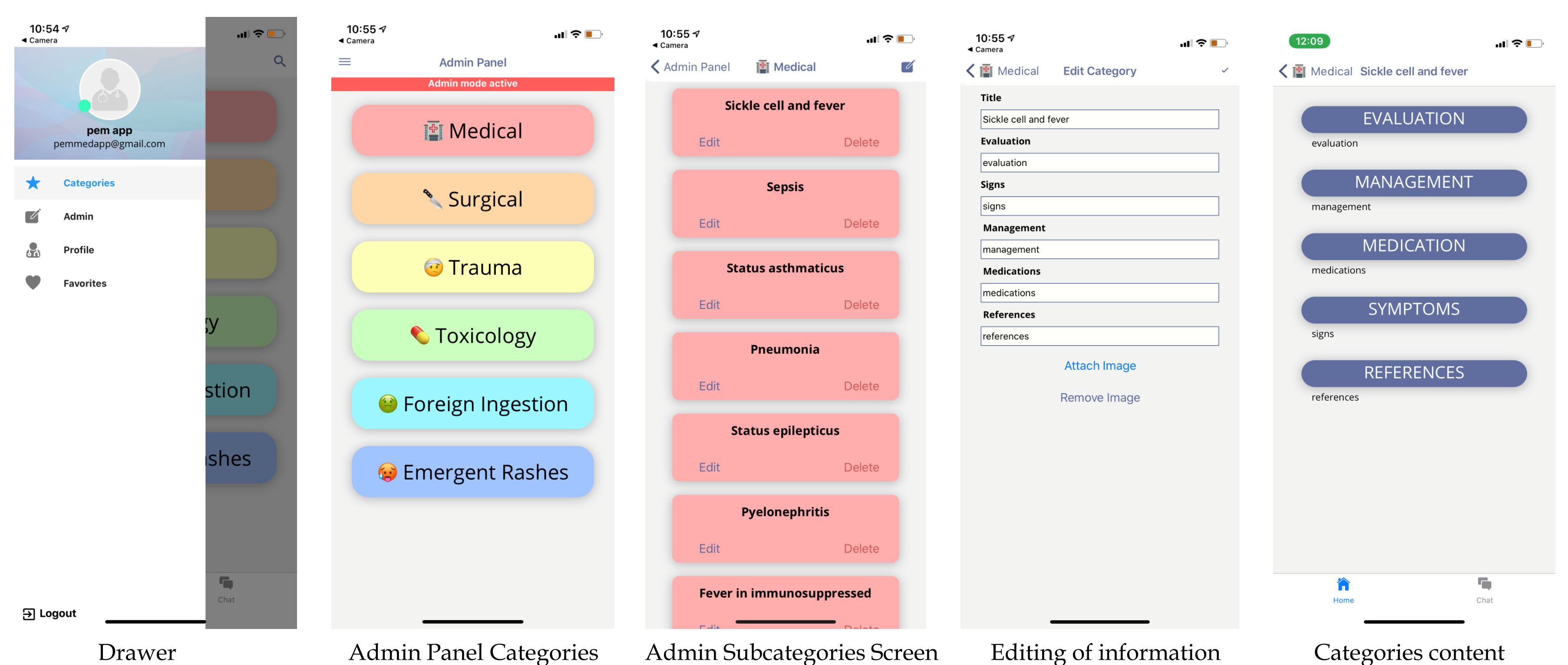
## SYSTEM DESIGN



## VERIFICATION

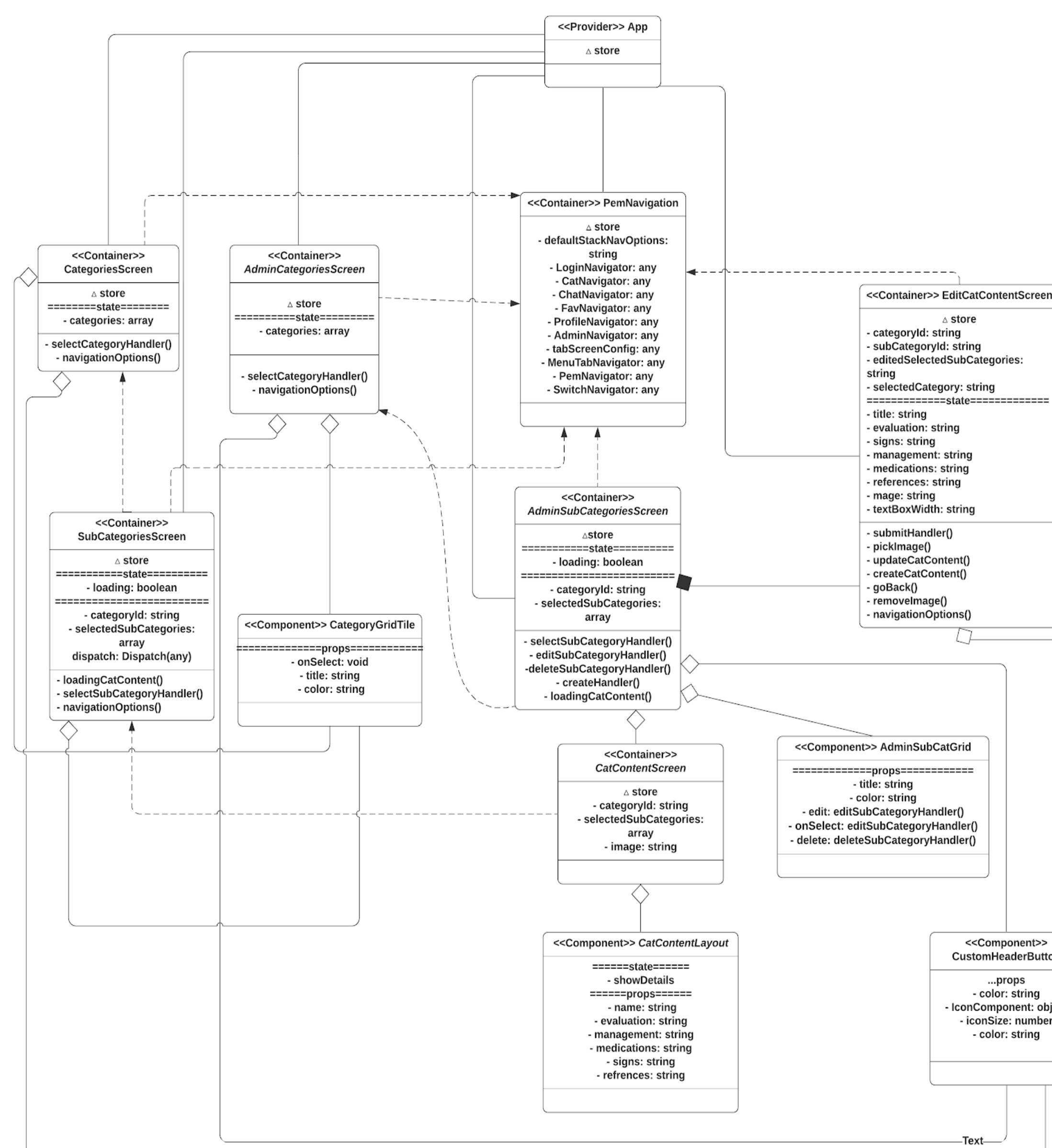
- All features were manually tested in Android and IOS Emulator/Simulators. The administration Panel was tested, including workflow, server requests using the developer debugger. Edition, Creation and Deletion of categories data is functional.

## SCREENSHOTS



## OBJECT DESIGN

## IMPLEMENTATION



## SUMMARY

The second version of the Pediatric Emergency Medicine Application implements and Administrator Panel, admin-users can Edit, Create, and Delete Categories with reliable Medical Information, automatically saving it in a secure server and displaying it within the App. The information includes text documentation and images. The application is fully functional in Android and IOS, tests were performed in both platforms using emulators and simulators, including admin panel workflow, server request. Edit, Create and Delete of categories data is functional.

## ACKNOWLEDGEMENT

I thank Dr. Jean Hannan and Dr. Bruce Quinn for their assistance, cooperation and mentorship throughout this process. I also give thanks to my teammates, especially to Yeilys Fundora for being an outstanding teammate.