



**Knight Foundation
School of Computing
and Information Sciences**

Take Control of Your Ageing Baby Boomers

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PROBLEM

Our senior population is increasing more quickly than it ever has, and this trend is expected to continue. Therefore, society will be heavily impacted, and we will need an "integrated individual-centered approach" that will help ensure the wellbeing of older people and their caregivers.

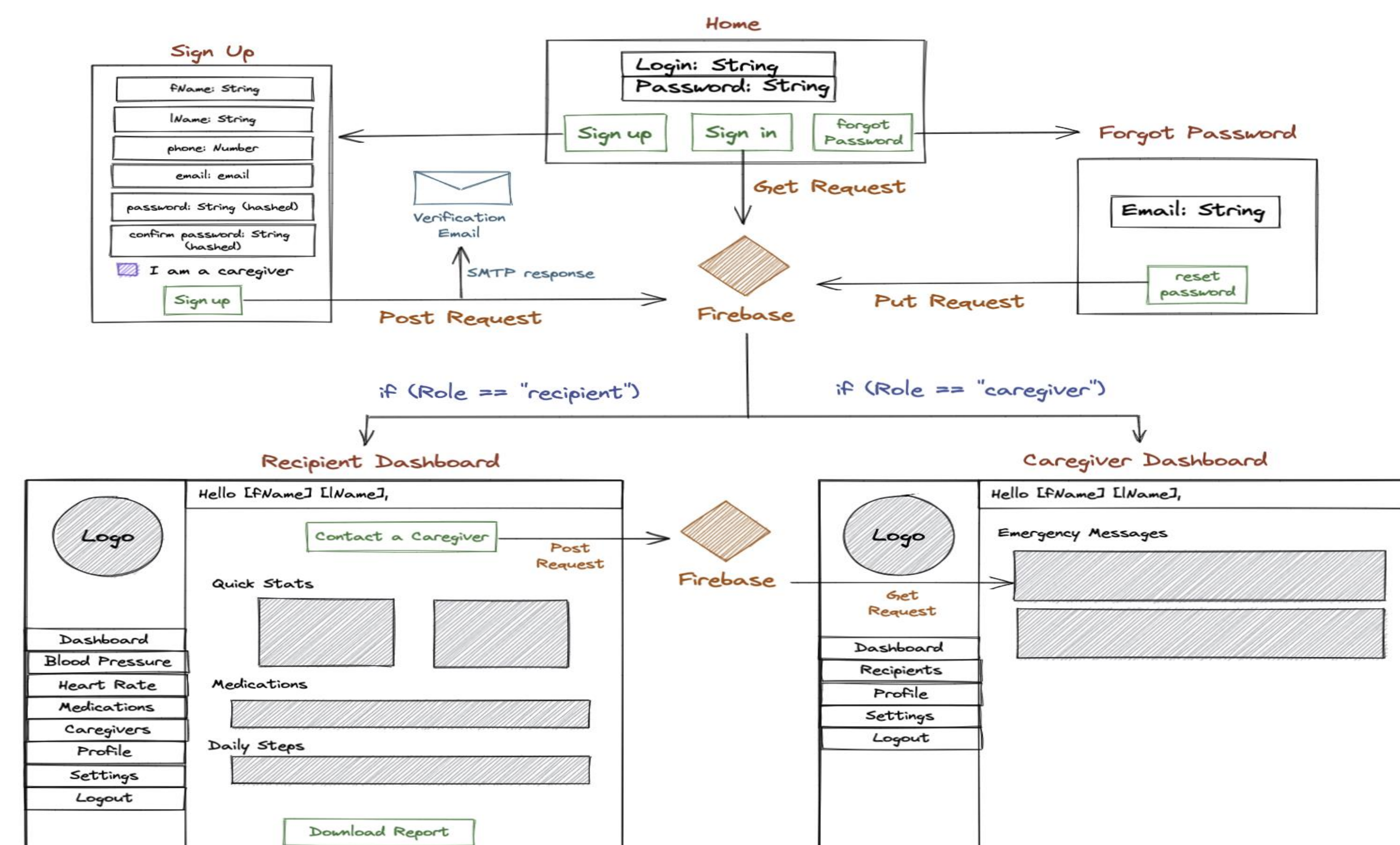
GOAL

The main goal of this project is to create an application that can be used by both senior individuals and those who provide care for them, and which can be accessed via a variety of devices. In the iCare app for Baby Boomers, older people can keep track of their health and well-being. Furthermore, users will be able to view the data collected by the application, and caregivers can use it to ensure the good health of the older users.

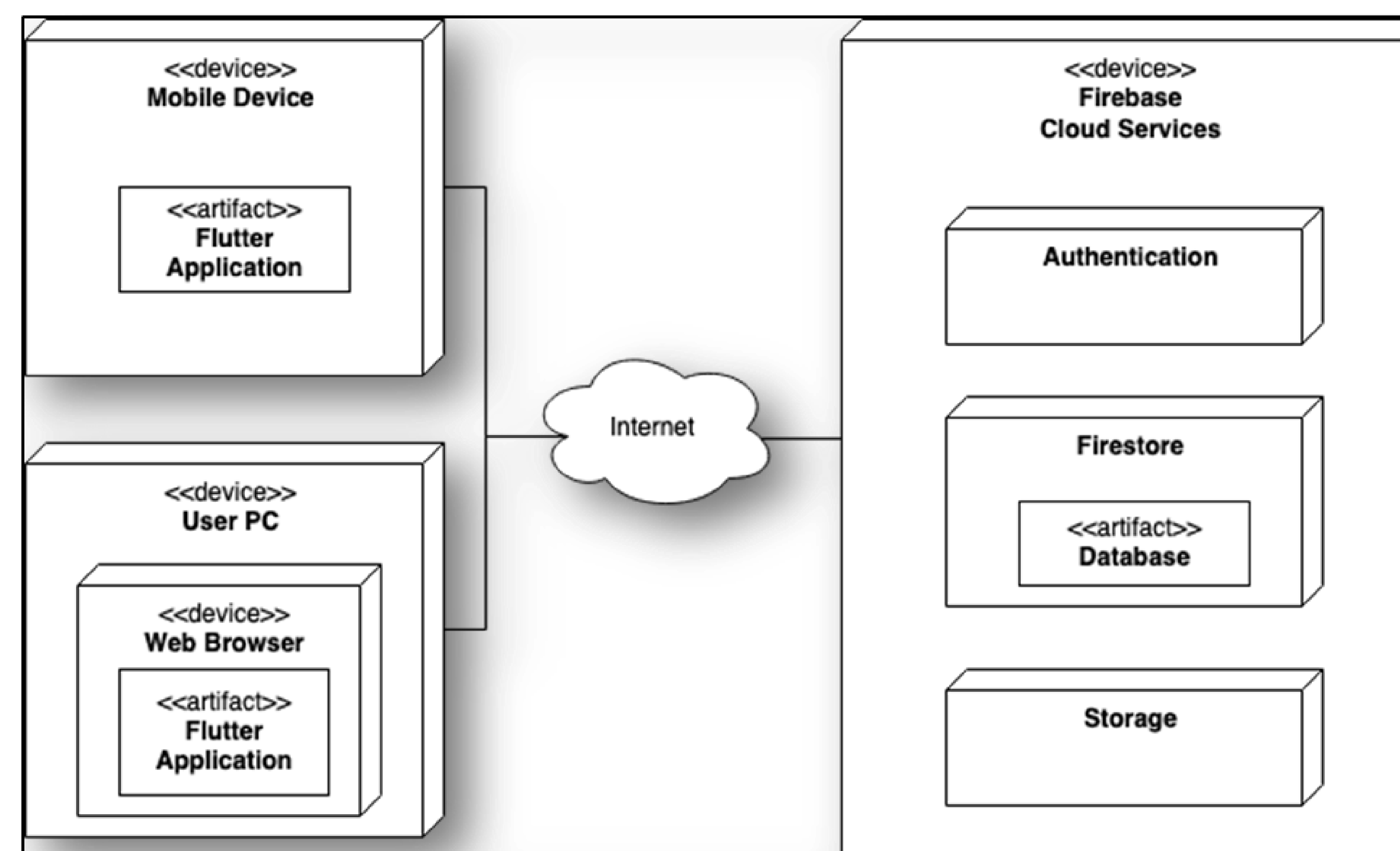
IMPLEMENTATIONS

- App must be easy to use for older people.
- Make all parts of the interface in a visually, harmonious and coherent design.
- Ability to use the application on different platforms (Android, iOS, Web Application).
- Adding social features to the app.
- Maintain high security for personal information.
- Provide help during emergencies.
- Ability to store and retrieve data from Firebase.

PROCESS DIAGRAM



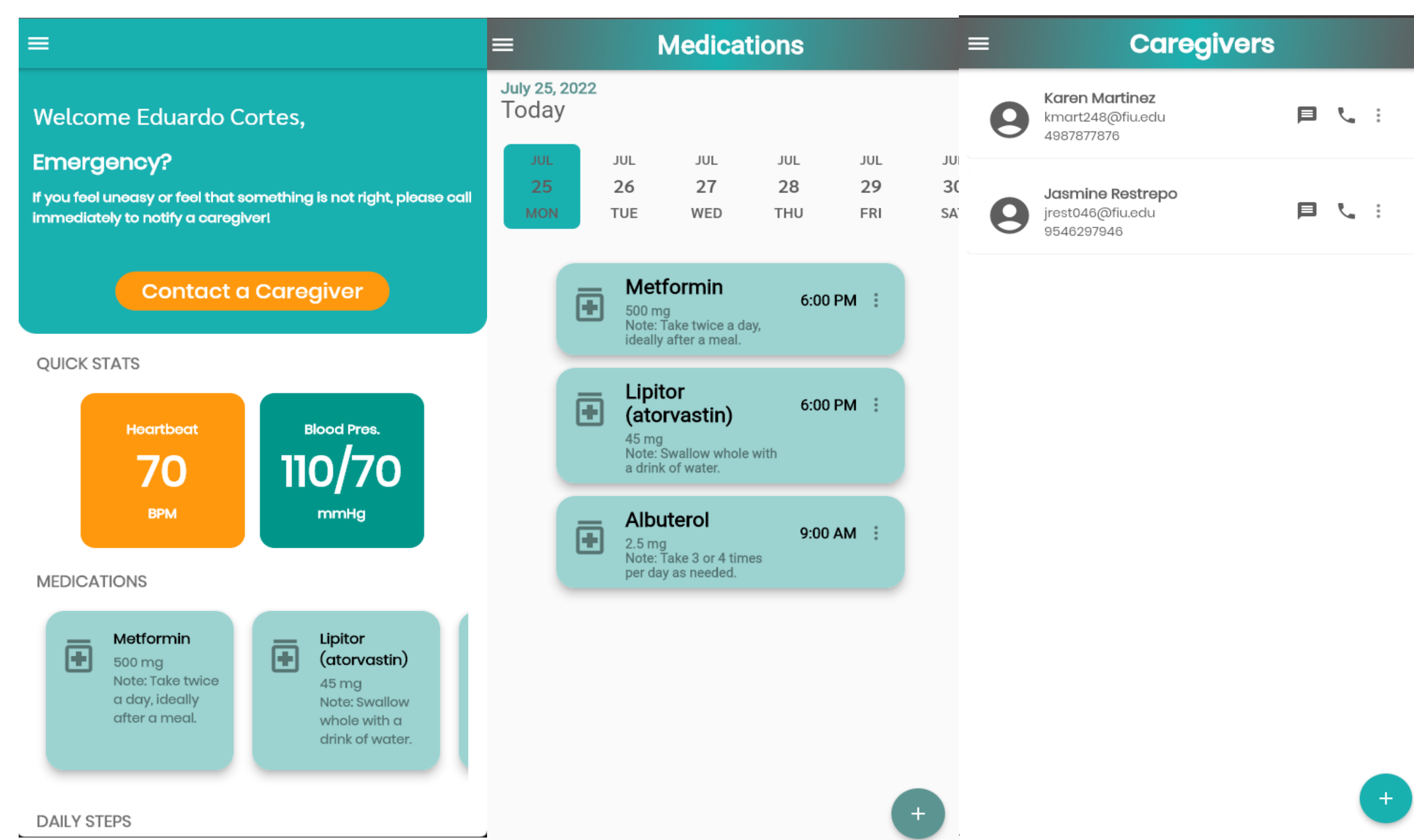
DEPLOYMENT DIAGRAM



CONTRIBUTIONS

- Main contributor to the backend of the Caregiver's page where the user can add available caregivers and interact with them via chat.
- Main contributor to the backend of the Medication's page where new medications can be added and displayed under a calendar interface.
- Implemented code that retrieves medications that must be taken today from Firebase and displays them on the dashboard.
- Implemented Firebase functionality into the Dashboard's widgets, the Medications page, and into the Caregiver's page
- Implemented various UI changes.

SCREENSHOTS



SUMMARY

In summary, the current version of the iCare for Baby Boomers application has added a significant number of improvements which gets us closer to achieving our goal of ensuring the wellbeing of our older population. We have made various improvements to the UI that will facilitate user interaction. Additionally, we made it easier to store and display essential information that can help caregivers and our users manage their life a little better. All in all, this application will do a lot to improve the lifestyle of our users and has made it even easier for caregivers to aid and to communicate with the older users in a manner that is simple and efficient.

REFERENCES

- <https://www.firebase.google.com/docs>
- <https://www.dart.dev/guides>
- <https://www.docs.flutter.dev/>
- <https://www.youtube.com/watch?v=x0uinJvHNxl>

ACKNOWLEDGEMENT

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