Smart Healthcare Hospital

Group 2 - TIS Project

Project report

We **Group 2** started making this project from the very beginning on the **19th of December 2021**, this project was about 4th IR technology and some application of it in real life to solve problems, It was challenging at first but we managed it as a group by cooperation and by understanding each other well.

The group consists of two parts, here we will break down the group contents of the first and second parts.

Part 1 :

- ❏ Introduction (by Ammar Bin Jamalludin)
- ❏ 4th IR technology (by Wong Xiu Ying & Saeed Bahattab)
- ❏ Potential client and problem (by Ahmed Sherif Ahmed)
- ❏ Smart health care system (by Wong Xiu Ying)
- ❏ Architecture planning and design (by Lai Foo Zheng)
- ❏ Conclusion (by Ammar Bin Jamalludin)

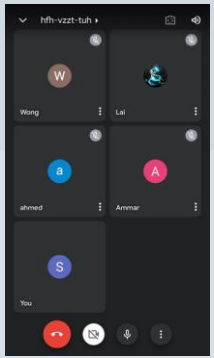
Project report

And here are the contents of the second part.

Part 2 :

- ❏ Introduction & Report (by Saeed Bahattab)
- ❏ AWS Architecture design (by Lai Foo Zheng)
- ❏ Business process flow diagram & description (by Wong Xiu Ying)
- ❏ Provides low-fidelity mock-ups (by Ammar Bin Jamalludin & Ahmed sherif Ahmed)

we assist each other with ideas trough online meetings and we were accurate and careful about time

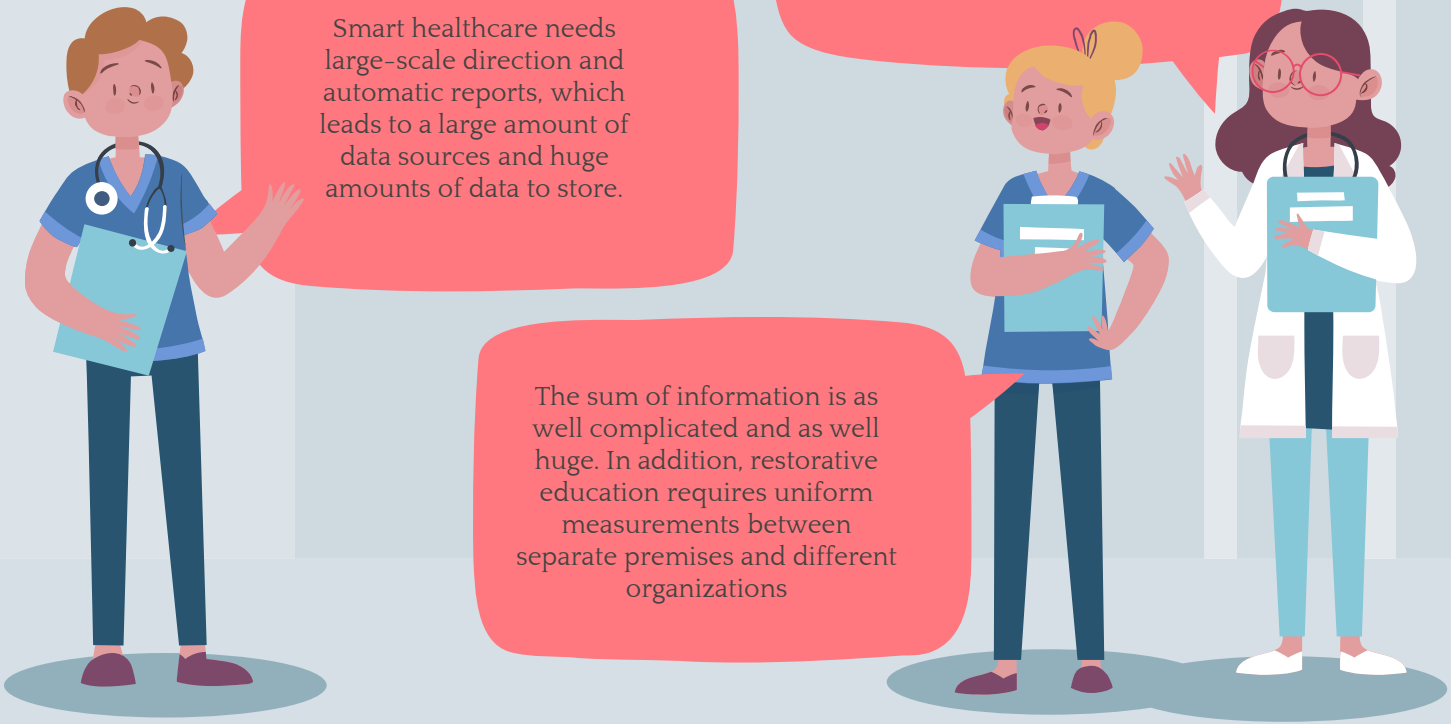


Problem

Smart healthcare needs large-scale direction and automatic reports, which leads to a large amount of data sources and huge amounts of data to store.

There are two issues with compatibility between distinctive stages and gadgets. From a patient's viewpoint, smart healthcare requires pertinent lawful standards, and there are dangers concerning

The sum of information is as well complicated and as well huge. In addition, restorative education requires uniform measurements between separate premises and different organizations



Smart healthcare

01 Monitor patient's health conditions on a daily basis.

02 Virtual care.

03 Aids in clinical decision-making.

04 Keep track of every patient in the hospital..

Why choose AWS?

- One of the most popular cloud computing services
- Fits the requirements of any company
- Offers a great deal of flexibility and scalability
- Pay for what you use.
- Secure

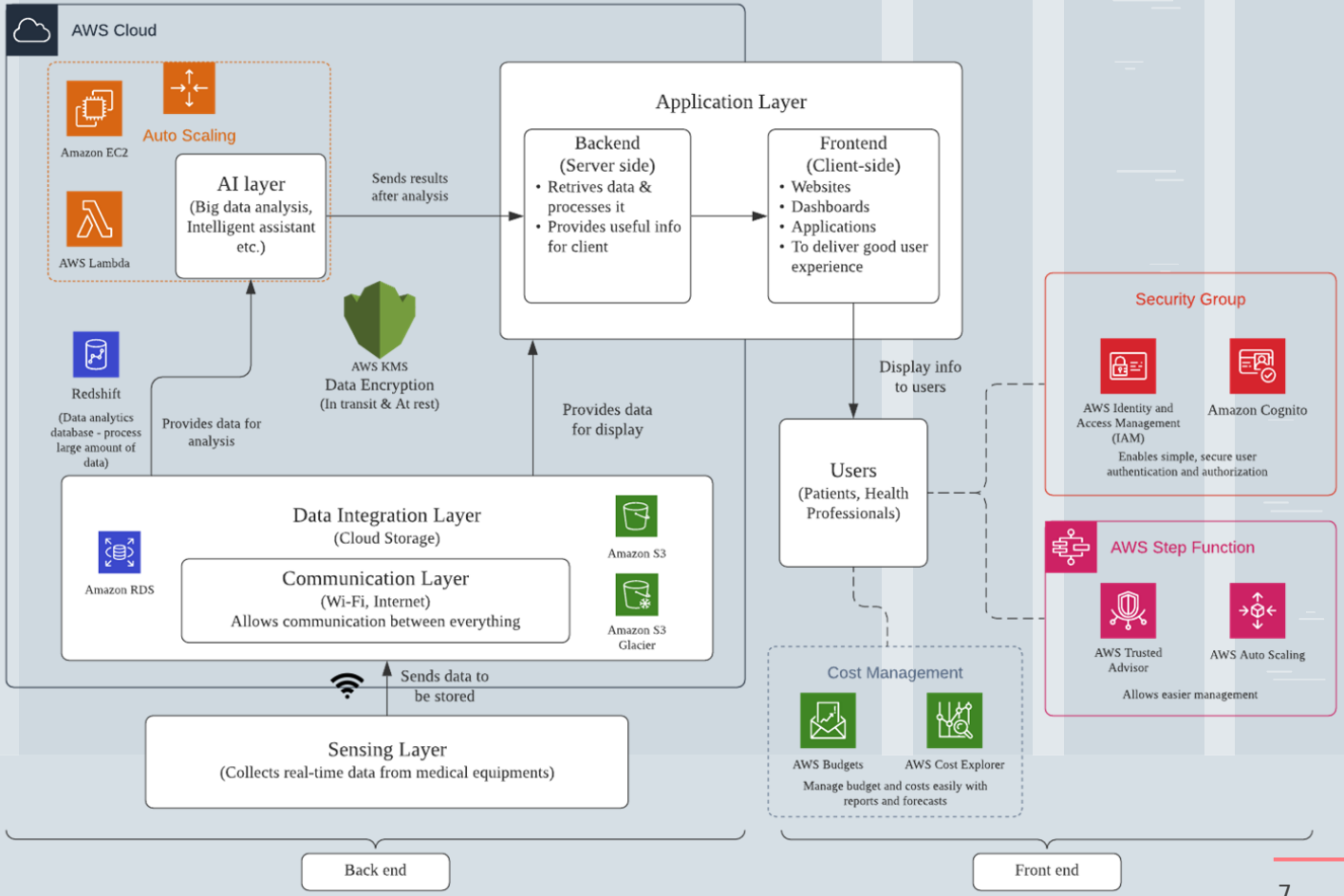
aws Architecture Design

5 LAYERS

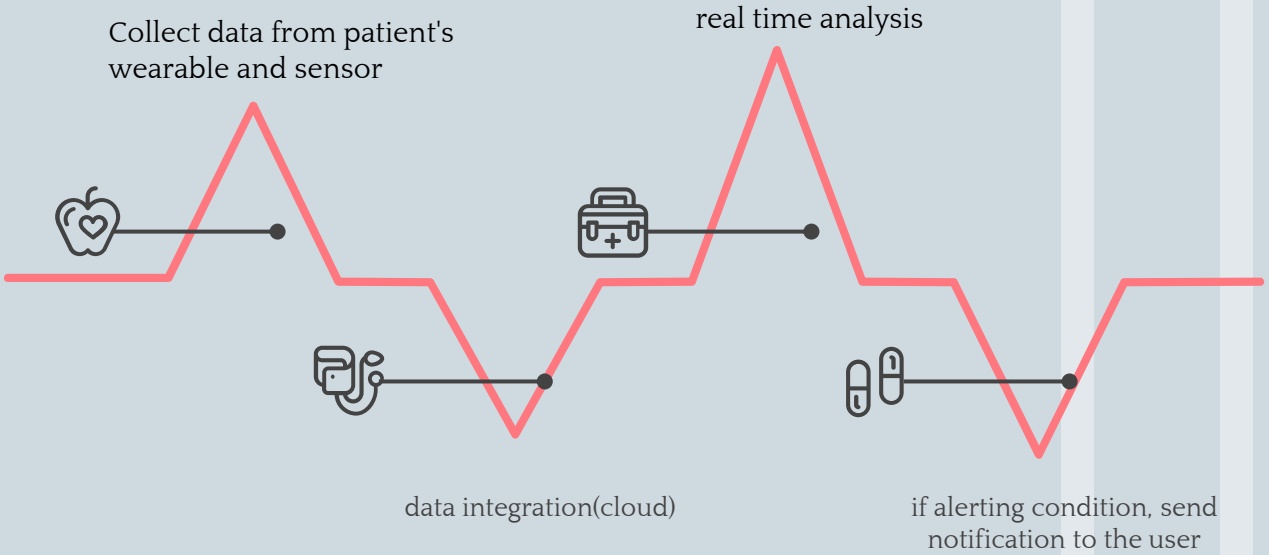
1. Sensing
2. Communication
3. Data Integration
4. AI
5. Application

EXTRA User Functions

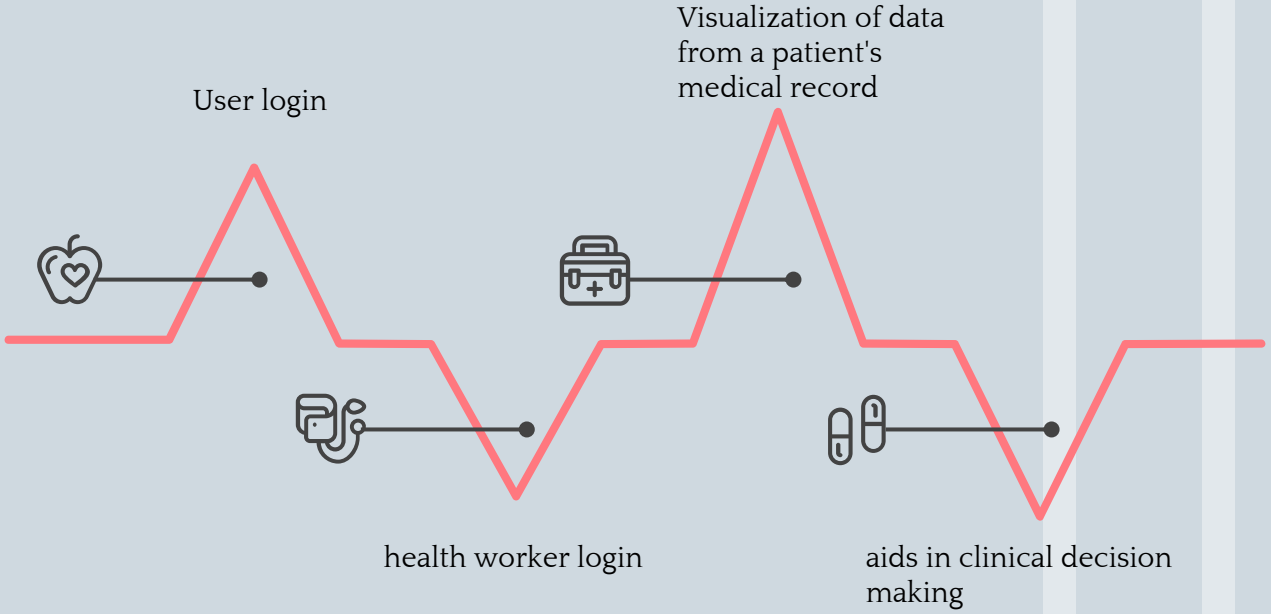
- AWS Step Functions
- Cost Management
- Security Group



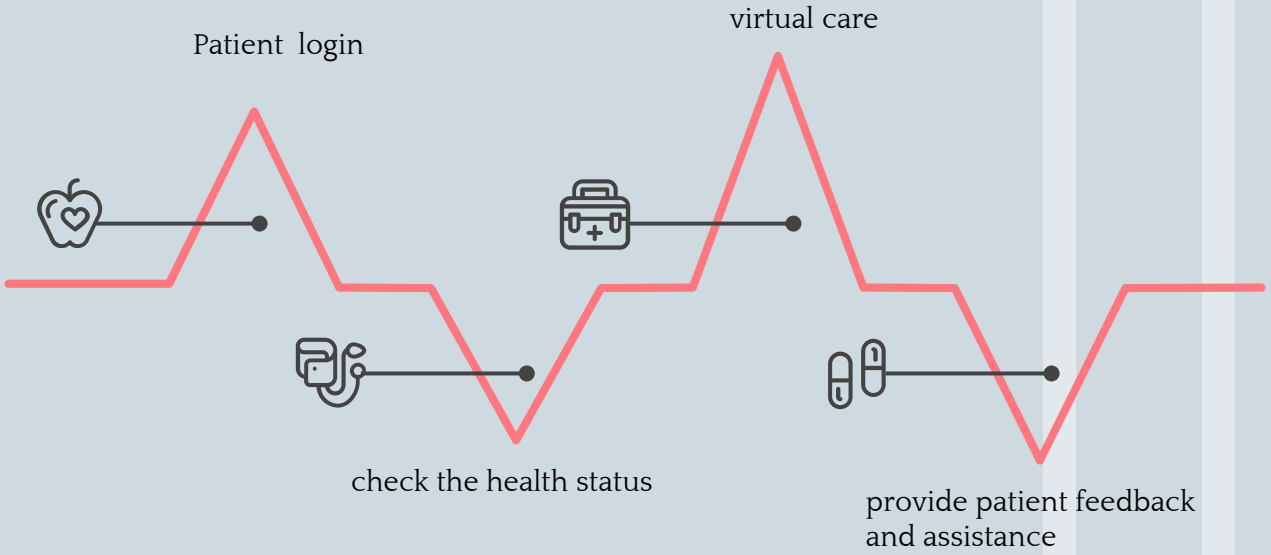
business flow chart



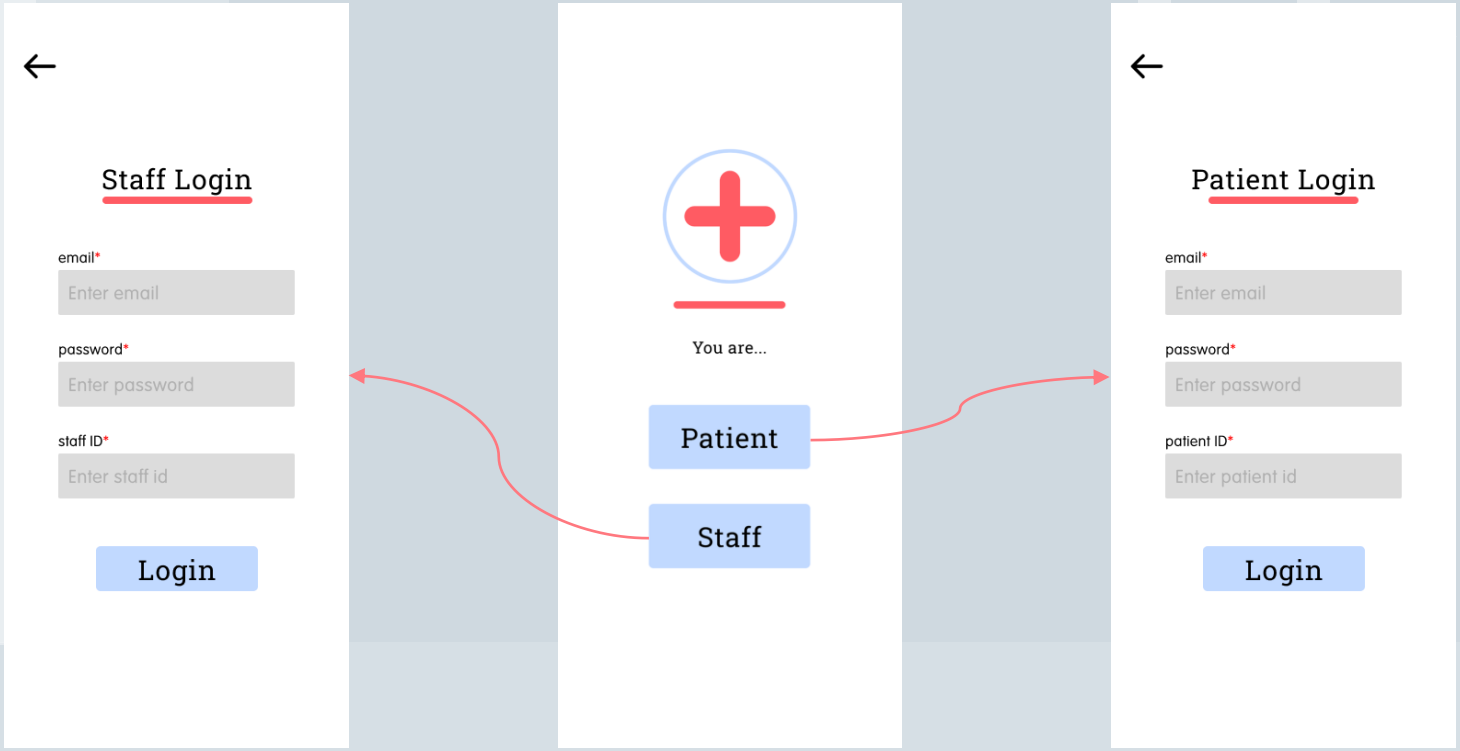
business flow chart



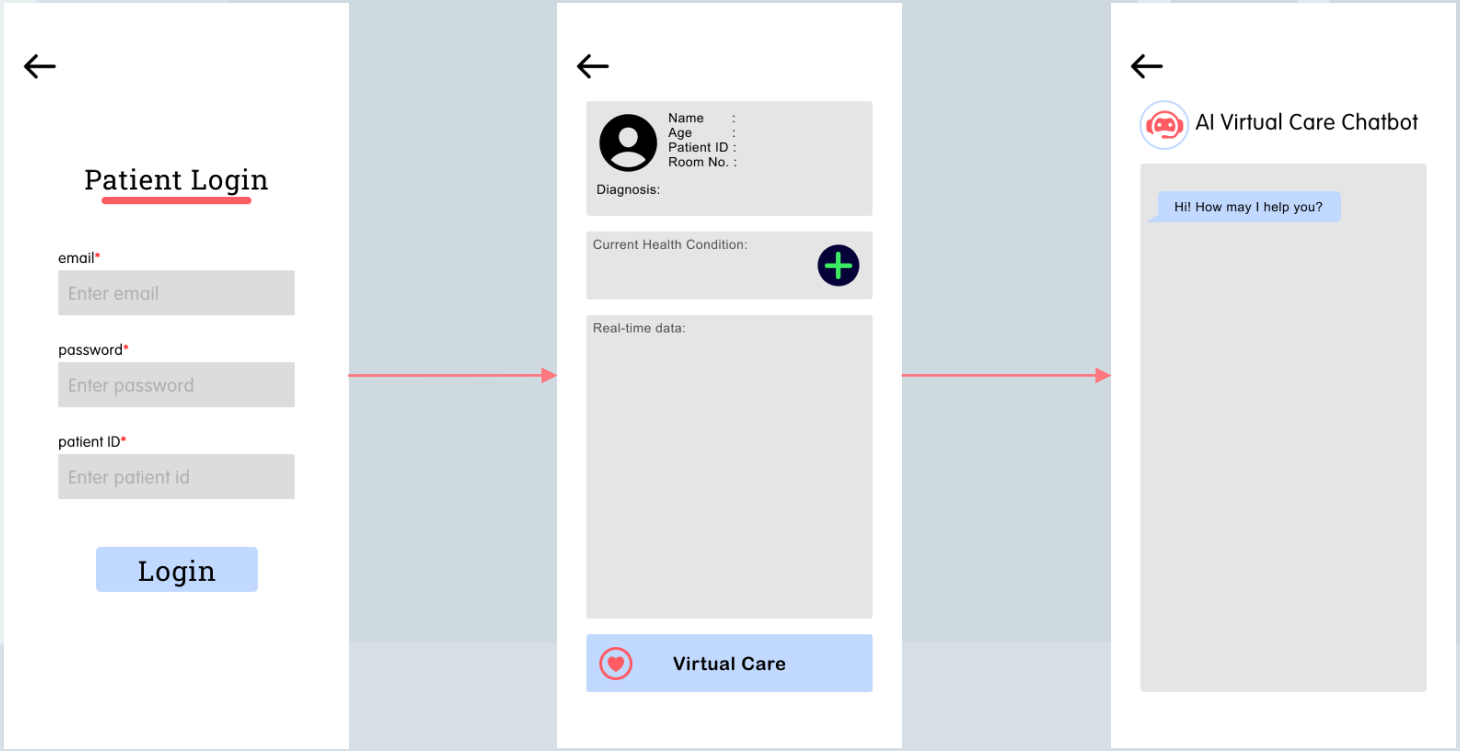
business flow chart



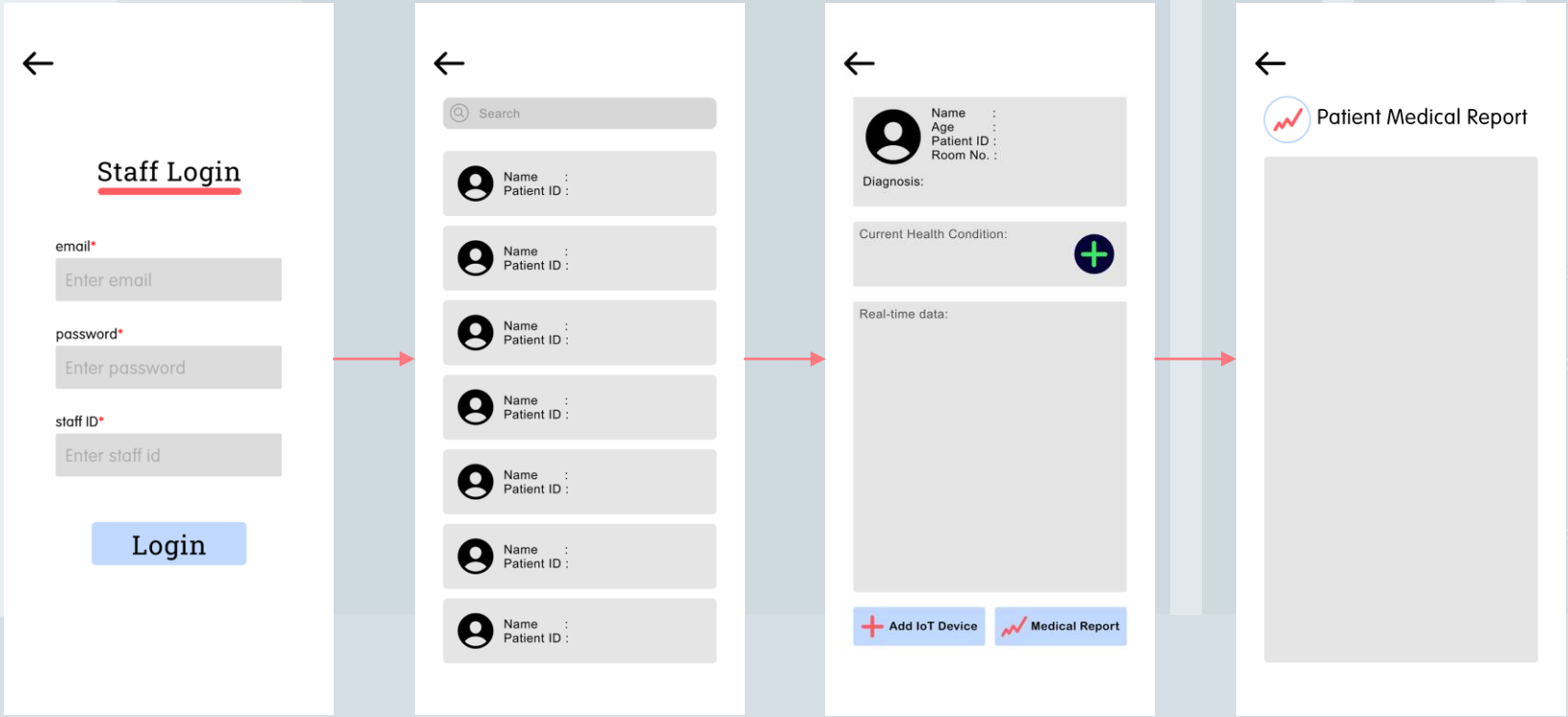
Low Fidelity Prototype



Low Fidelity Prototype: Patient Login



Low Fidelity Prototype: Staff Login



THANKS