

Image Data Handling System for Research

Group 14



Our team



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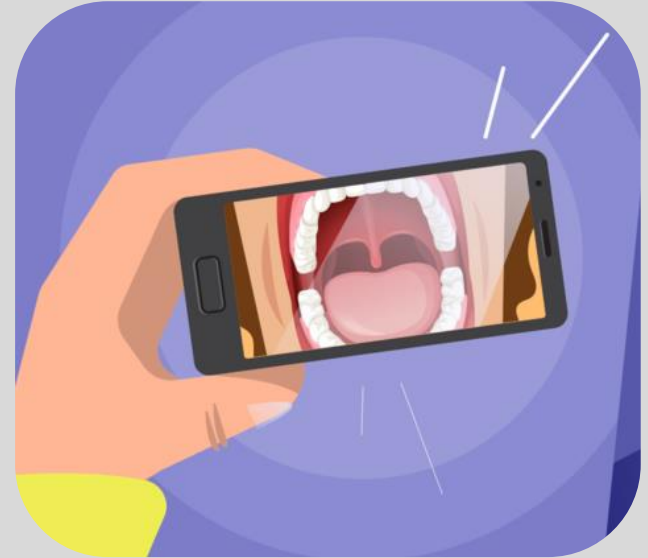


Nethmi
E/18/282

Our Project is ...

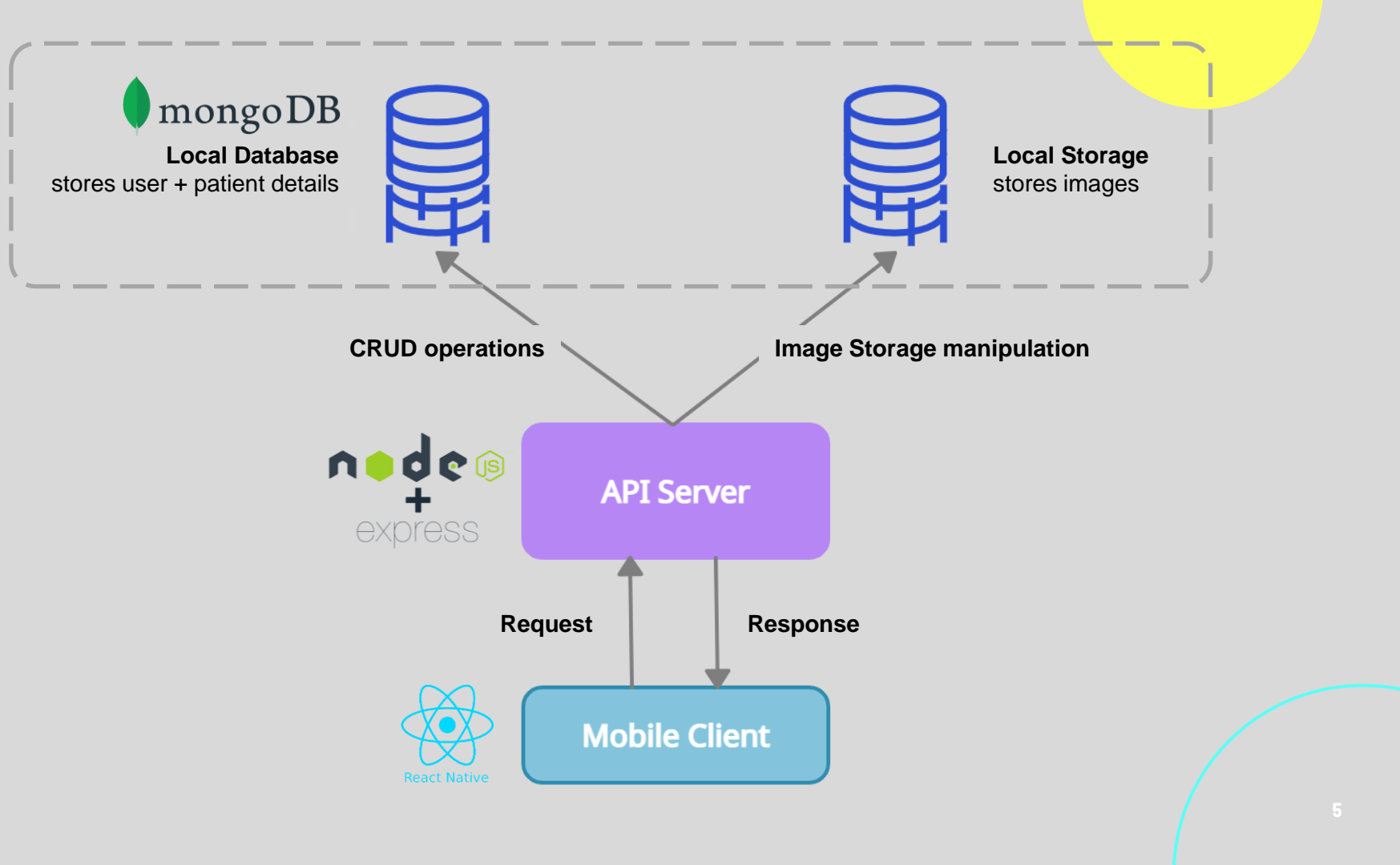
Building up a **mobile application** to capture the oral cavity images and upload them into a central database.

These images can be later used to test an AI based Oral Cavity Region Detection tool.



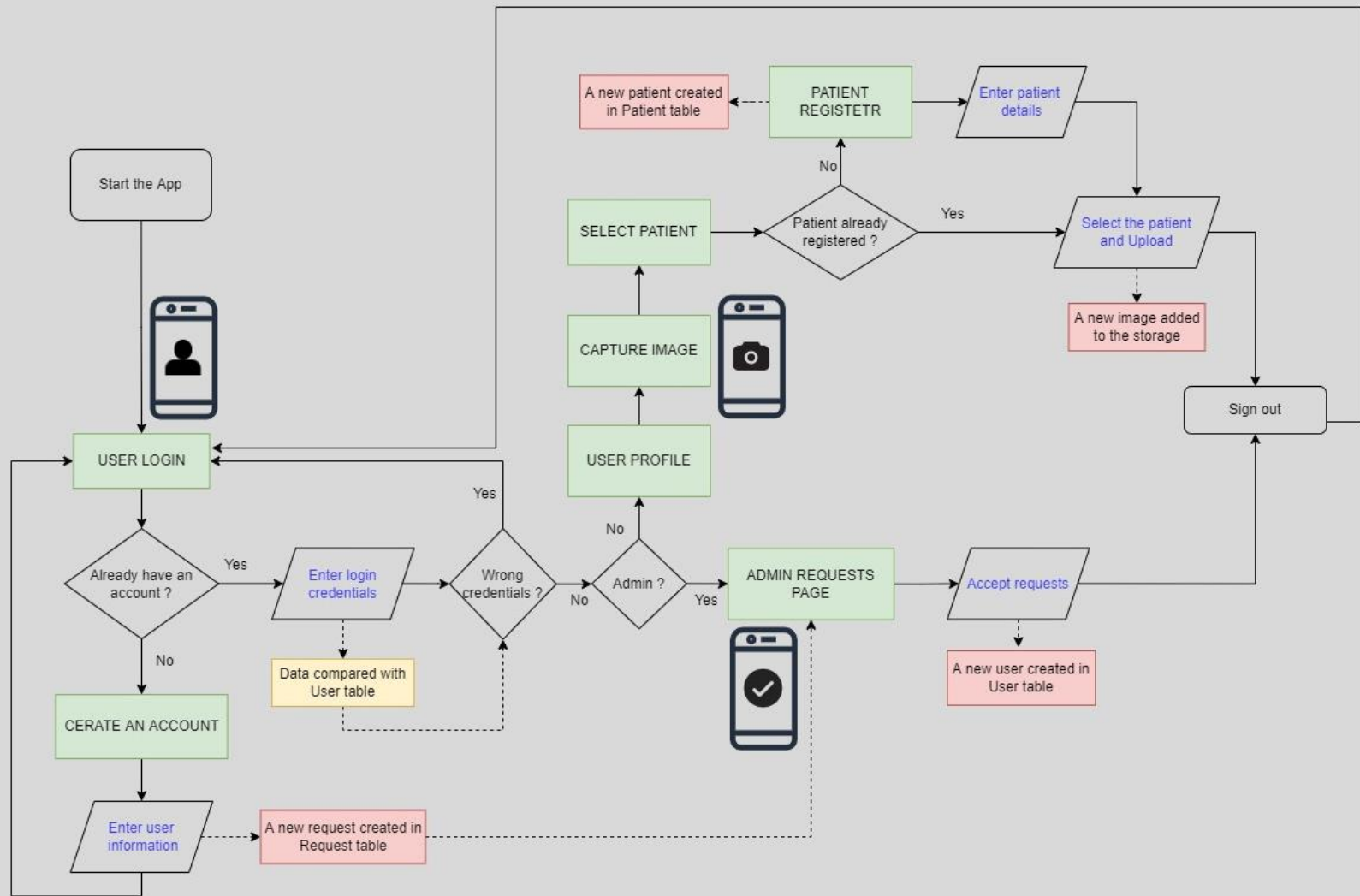


Solution Architecture



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Data & Control Flow



To Enhance User Experience ...



The User Interface

- Simple & Attractive
- User friendly



Available for both iOS and Android users



Ensure Security of user/image details

- JSON web token system to handle authorization
- Passwords encrypted
- Strict and limited access to Patient Metadata



Include Image pre-processing tools

Release Plan

Sprint 1

- ✓ UI design
- ✓ API design

Sprint 2

- ✓ User authentication
- ✓ Admin functions

Sprint 3

- Upload images
- Handle Metadata

Sprint 4

- Build Image pre-processing tools

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Demonstration




For more details ...

Our GitHub Repository:

<https://github.com/cepdnaclk/e18-co227-Image-Data-Handling-System-for-Research-Group-B>

Our Project Page:

<https://cepdnaclk.github.io/e18-co227-Image-Data-Handling-System-for-Research-Group-B/>

The background is a solid light gray. It features several large, semi-transparent circles in various colors: cyan, red, yellow, and green. Some circles are partially cut off by the edges of the frame. The text 'Q & A' is centered in the middle of the slide.

Q & A

The background is a light gray color. It features several large, semi-transparent colored circles: a yellow one in the top-left corner, a purple one in the top-right corner, a green one in the center-left, a red one in the bottom-left corner, and a cyan one in the bottom-right corner. The text "Thank You...!" is centered in a bold, dark blue font. The word "Thank" is partially overlaid by the green circle.

Thank You...!