

# **Image** Data Handling System for Research

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Group 14



# Our team



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E/18/073



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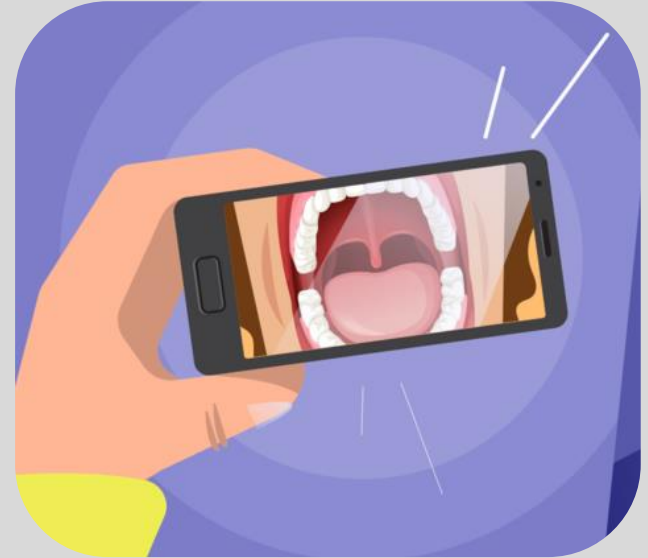


**Nethmi**  
E/18/282

# Our Project is ...

Building up a **mobile application** to capture the oral cavity images and upload them with the details of the patients.

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



# Implementaion



React Native Front End



Node JS Back End



Bridged the gap  
using Axios Library



Data stored in a MongoDB  
remote database



Quality of the images  
checked Using Python

# Users

## Doctors

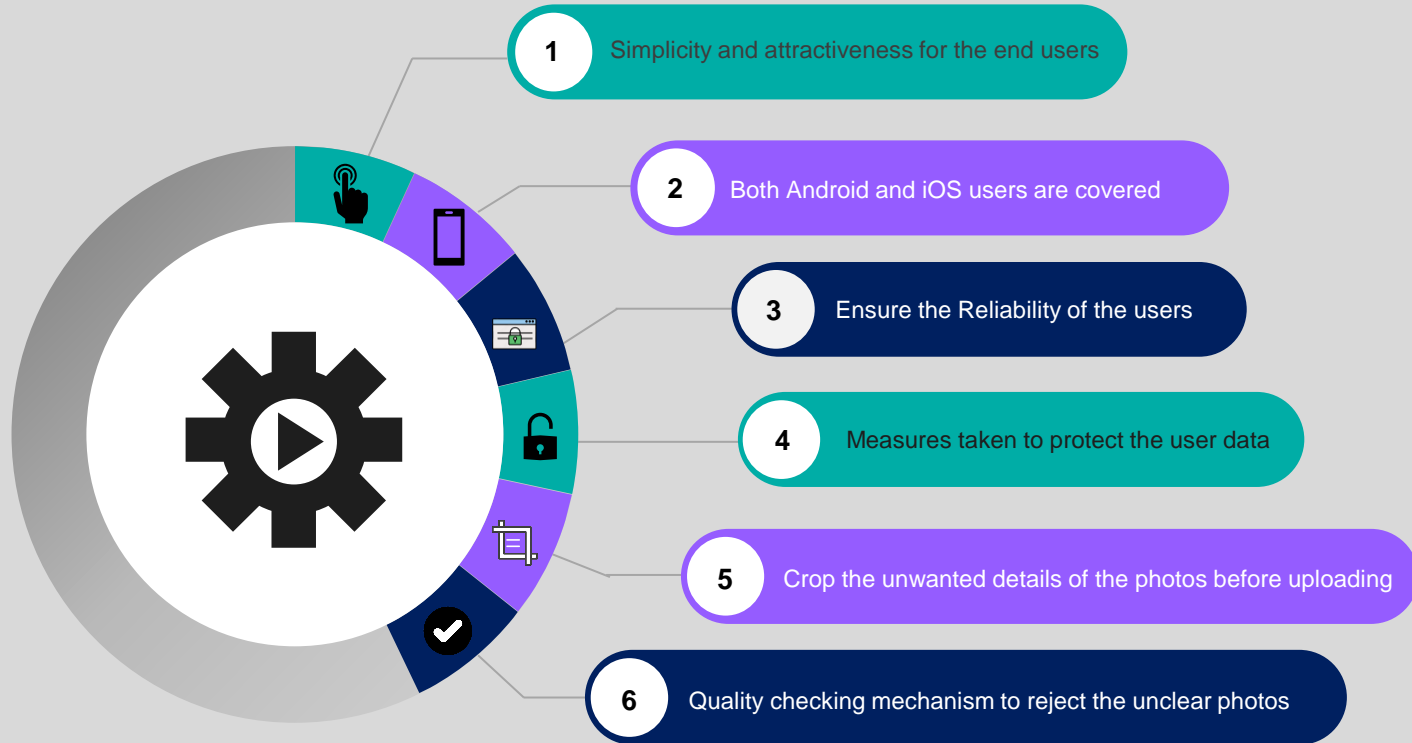
- Create an account
- Login to the system
- Capture/ select photos of the oral cavities
- Add patient details
- Upload the photos

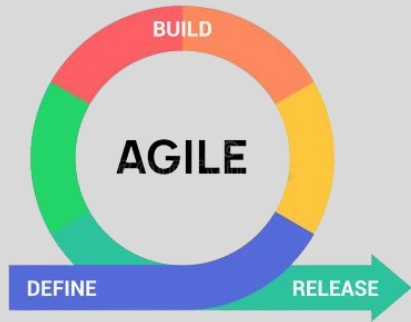


## Admins

- Login to the system
- View all the user signup requests
- Accept requests
- Reject Requests

# Special Features to enhance user experience





# Testing

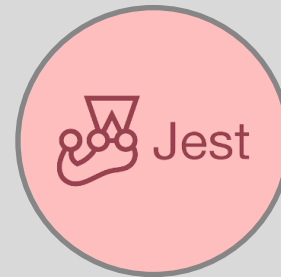
Agile testing methodology

API testing using,



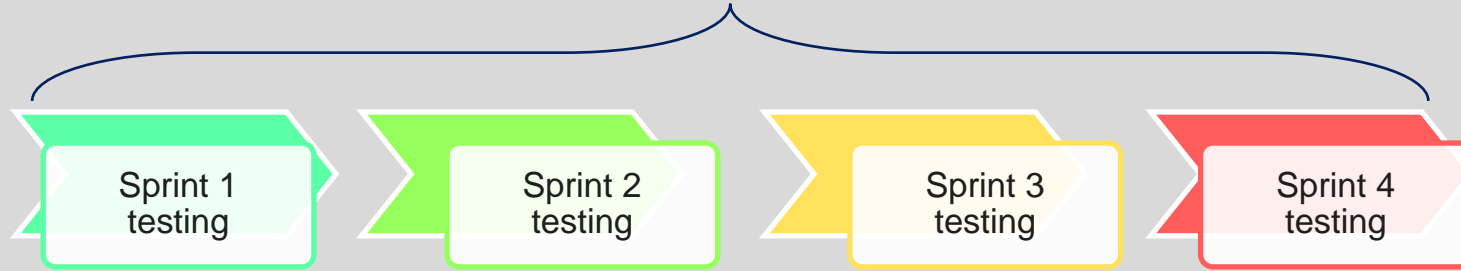
POSTMAN

Jest  
Postman



# Test Plan

## Unit Tests



- User creates a new account
- User login with an existing account
- User login with invalid credentials

- Admin Login
- Get a list containing all user requests
- Admin accepts user request

- Add new patient
- Get a list containing all patients
- Upload a photo

- Upload a photo with less quality

**Final  
Integrated  
API  
Testing**



The background is a light gray color. It features several large, semi-transparent circles in various colors: cyan, red, yellow, and green. The word "Demonstration" is written in a bold, dark blue font, centered horizontally and partially overlapping the yellow circle.

# **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 light gray color. It features several large, semi-transparent circles in various colors: cyan, red, yellow, and green. Some circles are solid, while others are just outlines. The text 'Q & A' is centered on 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 red one in the bottom-left corner, and a cyan one in the bottom-right corner. A solid green circle is positioned behind the text.

**Thank You...!**