



Healtha APP

Healthcare recommendation system and lab analysis application

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01. Problem Statement

Problem Statement



● Many people find it difficult to understand their lab analysis results. The results are often written in technical language that is difficult for the average person to understand. This can lead to people feeling anxious or confused about their health.

Additionally, many people with disabilities may have difficulty accessing and understanding their lab analysis results.

02.

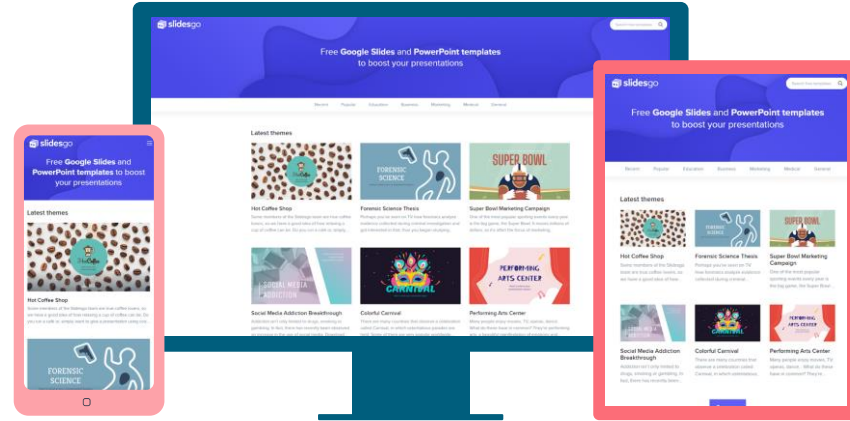
Obtained Solution



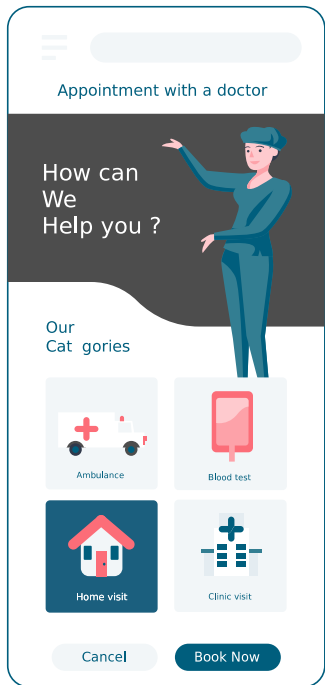
Obtained Solution

The proposed solution is a development of an app that uses AI models to help users understand their lab analysis, such as CBC.

The app will provide users with clear and concise explanations of each test in plain language, as well as visualizations that help to illustrate the results. The app will also be accessible to users with special needs.



Obtained Solution



The app will use a variety of AI models to interpret lab results. These models will be trained on a large dataset of lab results and patient data. The app will then use these models to generate personalized explanations for each user.



03.

System Features

Visualization

Clear and concise explanations of lab results in plain language

Visualizations that help to illustrate the data, This will help users to identify trends in their data and to understand the significance of their results.

Nearest Doctor Location

Collecting the doctors' location to recommend the nearest doctors' locations for the users.

Recommendation System

1. Recommend the needed medical analysis.
2. Recommend the nearest 3 doctors or Hospitals for the user's location.
3. Optional: recommend and list diseases that shares theses lab analysis symptoms.

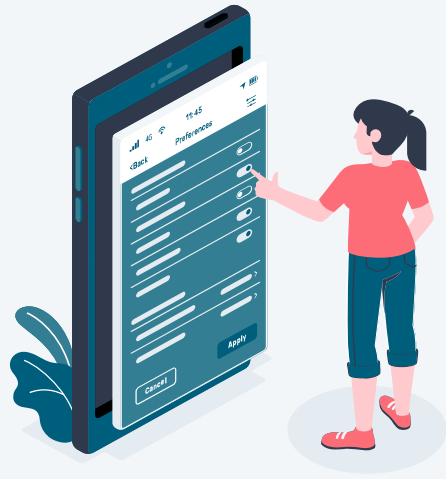
Chatbot

This project support you to know all information needed about a distinct disease , related symptoms or its treatments via a Chabot feature implemented through the app.

Accessibility

Accessibility features for users with special needs::

1. **Lab reader support.**
2. **Text size and font customization**
3. **High contrast mode.**
4. **Gesture support.**



04. Intended users

- Normal users
- Doctors
- Users with special needs



05. Used Technologies

Used Technologies

- Flutter
- Deep learning
- Natural Language Processing



06. Team Members



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Thank you!