



WCE HACKATHON

Code, Create, Conquer

2024

Round 1: Idea Submission

- **Team Name:** Team Xero
- **Team Leader:** Sayali Zambre
- **Domain/Theme:** Health Care
- **Problem Statement:** In today's fast-paced world, our health often takes a backseat, leading to potential health crises and emergencies. To address this issue effectively, we urgently need a solution that offers personalized health monitoring and reminders based on our health history. This solution should also provide emergency health assistance whenever and wherever needed.

Personalized Health AI

- Introducing our innovative **health monitoring application** comprehensive solution designed to revolutionize personal health management.
- **User-Centric Approach:** Upon registration, users input their health data, laying the foundation for a personalized experience. The application's dynamic Personalized Dashboard serves as a central hub, offering real-time insights into key health metrics, medication schedules, and tailored recommendations.
- **Continuous Monitoring and Support:** Users can effortlessly update their health data, ensuring the dashboard remains current. Automated reminders for medications, checkups, and lifestyle adjustments are tailored to individual profiles, promoting adherence to personalized health plans.
- **Emergency SOS Integration:** The application seamlessly integrates an Emergency SOS feature. In critical situations, users can activate this feature, instantly triggering an ambulance call and notifying designated contacts with the user's location. Furthermore, the app suggests relevant doctors based on health history, facilitating swift access to medical assistance.
- **Doctor Integration and Analytics:** Real-time updates from doctor visits contribute to a detailed log, enhancing the accuracy of the dashboard. Comprehensive analytics enable doctors to track patient interactions, treatment outcomes, and health trends, facilitating continuous improvement of personalized recommendations.
- **Holistic Well-being Approach:** Our solution not only prioritizes individual health through personalized dashboards but also addresses emergencies promptly, fostering a holistic approach to well-being in today's hectic lifestyle.
- By offering personalized health management and immediate emergency support, our application **aims to empower users to take control of their health and lead healthier**, more informed lives amidst the challenges of modern-day living.

- **Technology Stack:**



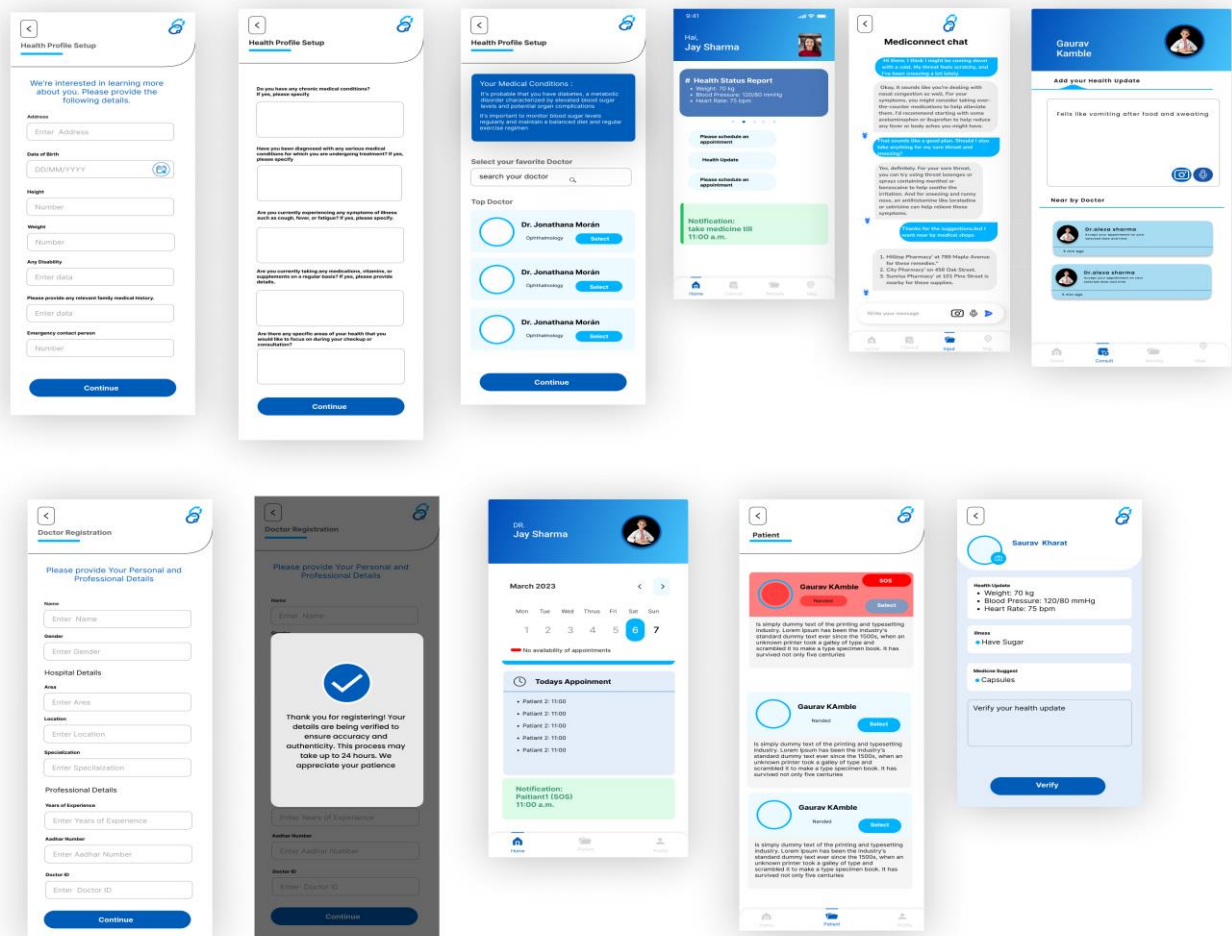
- **Innovativeness:**

HealthLink ProCare: Personalized Wellness Hub innovates with a real-time doctor insights module, AI-enhanced recommendations, and geo-fenced SOS for swift responses. Voice-activated commands and telemedicine integration streamline user experience. Predictive alerts and a customizable dashboard offer personalized insights. A collaborative care feature enables joint treatment management, and gamified health challenges linked to SOS encourage proactive health practices.

- **Show Stoppers:**

Success for "HealthLink ProCare: Personalized Wellness Hub" depends on key challenges. Getting users to share accurate health info is crucial for a truly personalized experience. Strong security measures and following healthcare rules are a must to protect sensitive health data. Making the app work smoothly is vital for effective health tracking. Testing and improving the Emergency SOS feature are essential for quick and reliable responses in emergencies. Engaging healthcare pros, finding a balance between customization and simplicity, and creating a user-friendly interface are also crucial. Making sure users follow reminders and integrating doctors' advice into the dashboard are key for overall success.

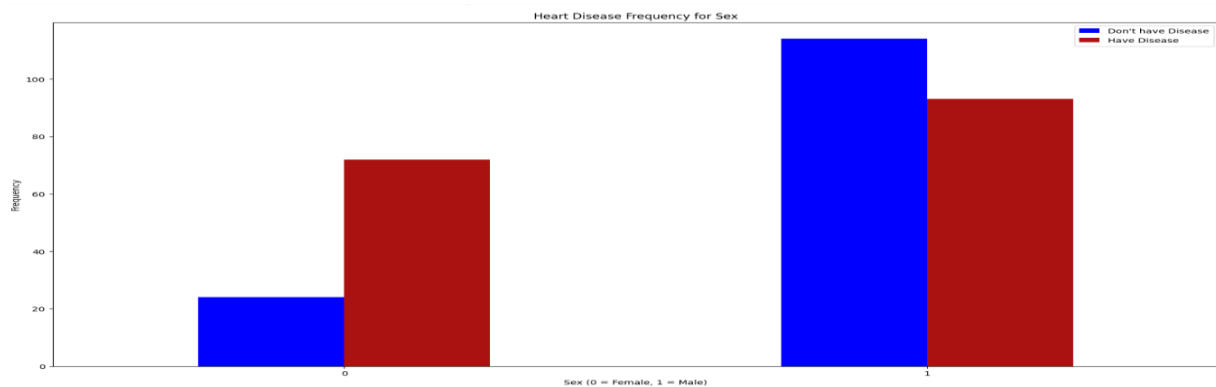
- **Prototype:**

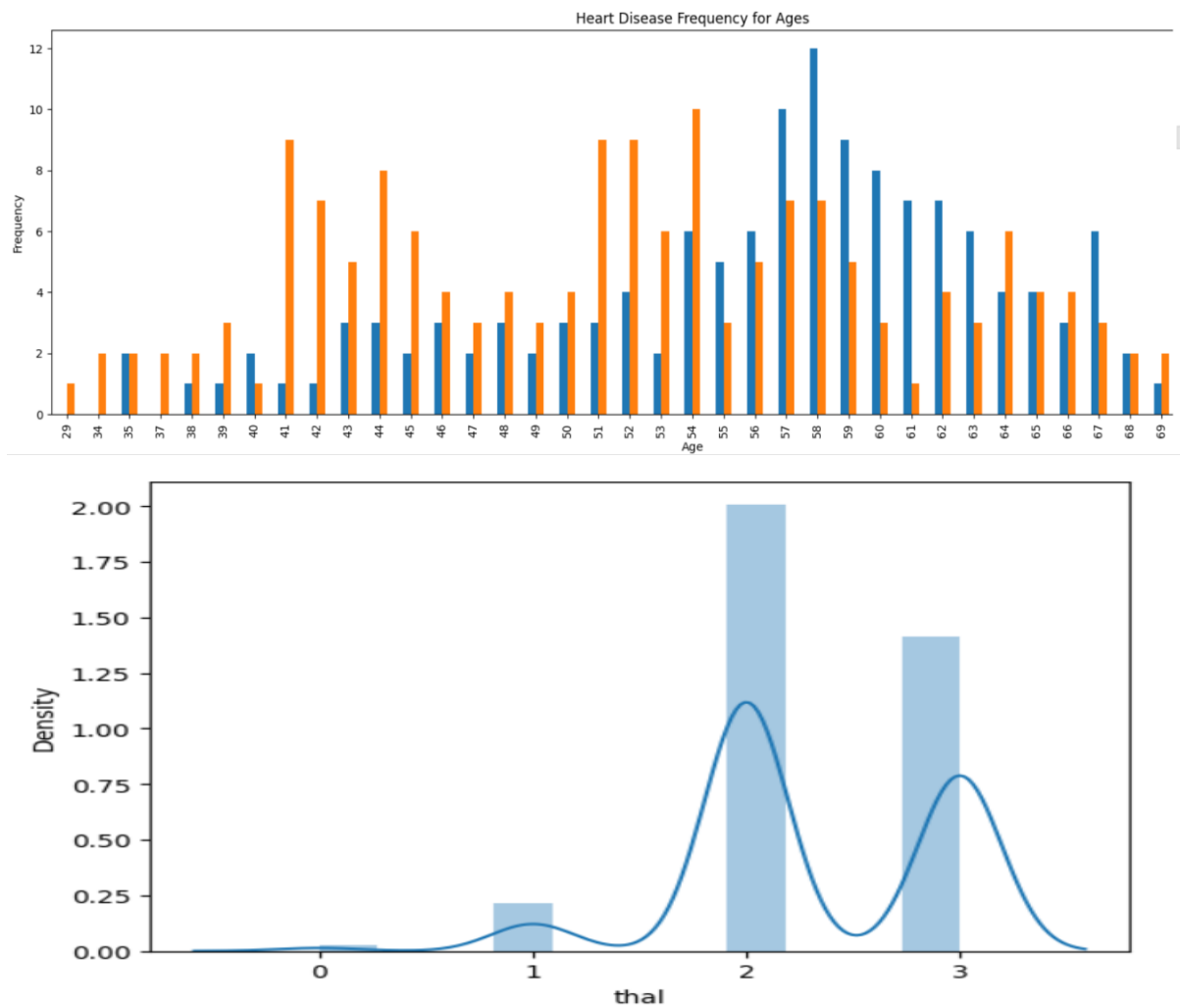


- **Figma Link:**

<https://www.figma.com/file/ZenQDDqWr0Ciu4lWuIvNlF/Untitled?type=design&node-id=0%3A1&mode=design&t=BYCwg7KFwKBBwwX0-1>

- **Data Images:**

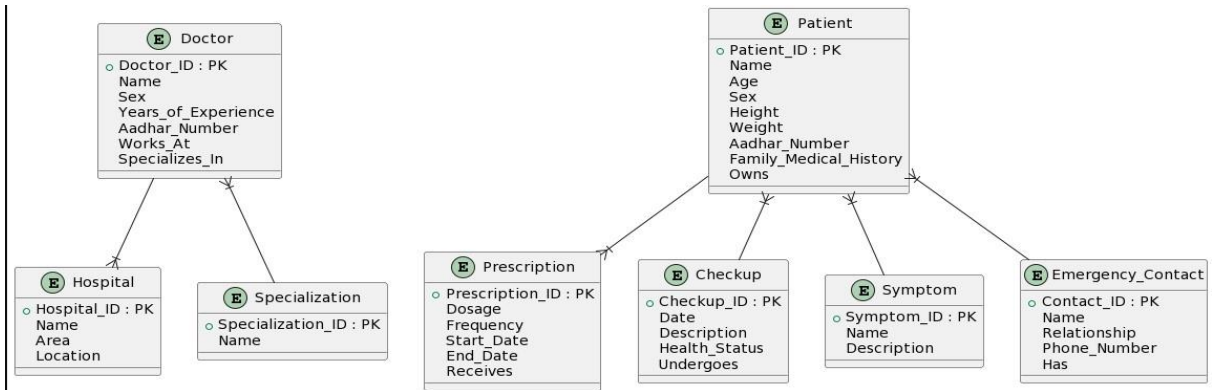




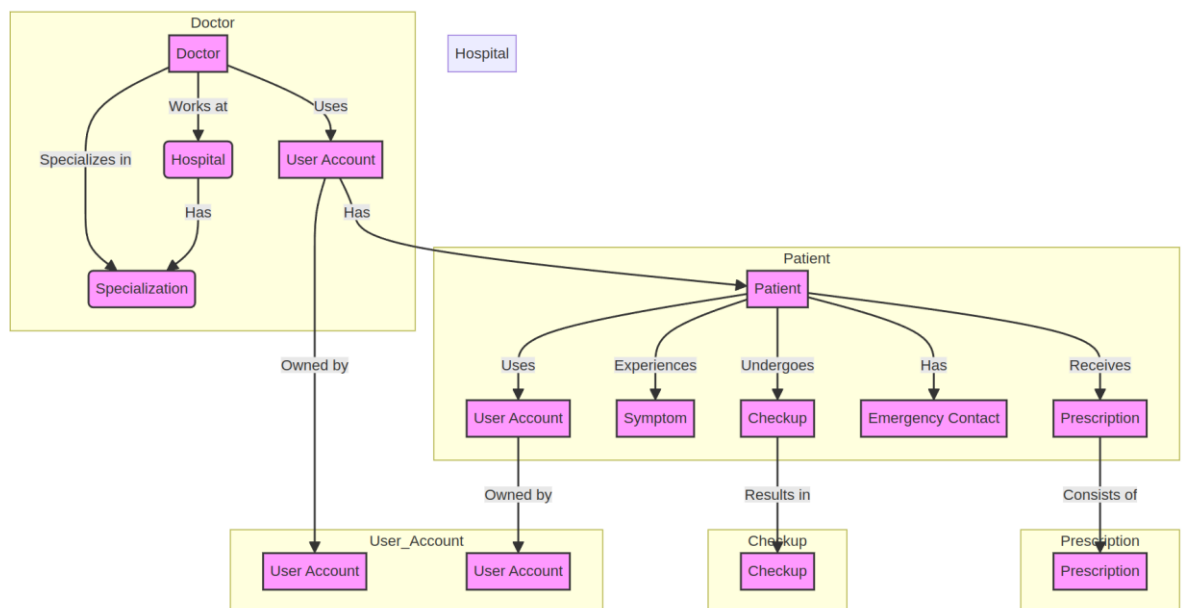
The images above offer insights into features directly associated with heart disease within the dataset referenced.

- Use Case Diagram/Flow Diagram:

- ER Diagram:



- Flowchart:



- **References:**

1. https://github.com/alpharosto/Heart_Disease_predictor: This model is trained on dataset of heart patient. It predicts heart disease on basis of symptoms and other parameters like age and past medical history.
2. <https://github.com/alpharosto/MedAI>: Taken references through this repo on how to predict symptoms.
3. <https://github.com/alpharosto/healthyAI>: Using data of this application on providing remedies based on severity of disease.
4. <https://www.kaggle.com/datasets/akshaydattatraykhare/diabetes-dataset>: Dataset based on prediction of diabetes (taken for reference in future model).
5. <https://archive.ics.uci.edu/dataset/45/heart+disease>: Dataset used for prediction of heart disease model.