

Problem Statement: Personalized Wellness Dashboard

Overview

In today's health-conscious world, having access to personalized health data and insights can significantly impact individual wellness and disease prevention. The "Personalized Wellness Dashboard" aims to create an innovative front-end application that provides users with a comprehensive view of their health metrics, personalized recommendations, and actionable insights. This dashboard will enable users to track their wellness journey and make informed decisions about their health.

Objectives

1. **Develop an Engaging Front-End Interface:** Create a visually appealing and user-friendly dashboard that presents health data in a clear and actionable manner.
2. **Ensure Data Security:** Implement security measures to protect sensitive health information and ensure user privacy.
3. **Enable Personalization:** Design features that offer personalized health recommendations based on user data and preferences.
4. **Prepare a Commercialization Proposal:** Develop a strategy to commercialize the dashboard, including potential business models and market strategies.

Problem Statement

Dashboard Features:

1. **User Profiles:**
 - **Health Metrics:** Allow users to input and display various health metrics such as weight, blood pressure, heart rate, and activity levels.
 - **Personal Goals:** Enable users to set and track personal wellness goals, such as weight loss, fitness targets, or dietary changes.
2. **Personalized Recommendations:**
 - **Health Insights:** Provide actionable insights and recommendations based on the user's health data and goals.
 - **Alerts and Notifications:** Notify users about important health events, reminders for medication, or upcoming health check-ups.
3. **Data Visualization:**
 - **Graphs and Charts:** Use visualizations to display trends and changes in health metrics over time.
 - **Interactive Elements:** Implement interactive charts and graphs for a more engaging user experience.

4. **Security and Privacy:**

- **Data Encryption:** Ensure that all health data is securely encrypted both in transit and at rest.
- **Access Controls:** Implement robust access controls to protect user information and privacy.

Additional Features (Brownie Points):

1. **Backend Integration:**

- Although the primary focus is on front-end development, integrating a basic backend for storing and managing data can be considered for extra credit.
- **API Integration:** Integrate APIs for fetching health data or providing additional functionalities.

2. **Advanced Personalization:**

- Develop advanced algorithms for personalized recommendations based on complex health data analysis.

3. **User Engagement Tools:**

- Add features such as gamification elements, social sharing options, or integration with wearable devices.

Expectations

1. **Front-End Focus:**

- **Functional and Secure Application:** Develop a fully functional front-end application that meets the requirements and ensures the security of user data.
- **User Interface and Experience:** Design an intuitive and aesthetically pleasing user interface with a focus on usability and user engagement.

2. **Commercialization Proposal:**

- **Business Model:** Create a proposal outlining the commercial potential of the dashboard, including pricing strategies, target market, and revenue generation methods.
- **Market Strategy:** Develop a plan for launching and promoting the dashboard to potential users.

Prize Details

1. **1st Place:**

- **Prize:** ₹3750 for the winning team.

2. **2nd Place:**

- **Prize:** USD 1660 (approximately ₹1,35,000) worth prize for each member of the second-place team - 1 yr Licence of Wolfram One !!

3. **Certificates:**

- **Participation Certificates:** All participants will receive digital certificates recognizing their involvement in the hackathon.

4. **All Participants:**

- **Wolfram One Licence - 3 Months** : USD 25/- worth

Deliverables

1. **Front-End Application:** A functional and visually appealing web-based application meeting the outlined requirements.
2. **Technical Documentation:** Detailed documentation covering the design, features, and implementation of the front-end application.
3. **Commercialization Proposal:** A comprehensive proposal outlining the business potential and market strategy for the dashboard.

Evaluation Criteria

1. **Functionality:** How well the front-end application meets the problem statement requirements and performs its intended functions.
2. **User Experience:** The quality of the user interface design and overall user experience.
3. **Innovation:** Creativity and originality in the application's design and additional features.
4. **Security:** Effectiveness of the security measures implemented to protect user data.
5. **Commercialization Proposal:** Viability and comprehensiveness of the commercialization strategy.