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Aahar App

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ABSTRACT:

The Aahar app is a food-denoting mobile application designed to help users discover and explore a wide range of food options. The app provides a platform for users to search for restaurants, cafes, food trucks, and other dining establishments based on their location, preferences, and dietary restrictions. Users can browse through a curated collection of menus, view food images and descriptions, and read reviews from other users to make informed decisions. The Aahar app aims to enhance the overall dining experience by providing a user-friendly interface, extensive food information, and personalized recommendations. It serves as a comprehensive food-denoting platform, connecting users with their desired food options and helping them make informed decisions.

Keywords: - Android, Java, Kotlin, Food Management, Food Donation, Specific Location.

I. INTODUCTION:

The Aahar app is an innovative mobile application designed to revolutionize the way we explore and engage with food. In a world filled with countless dining options, Aahar provides a convenient and intuitive platform for users to discover new restaurants, cafes, food trucks, and other dining establishments. Whether you are a food enthusiast, a health-conscious individual, or someone with specific dietary preferences, Aahar caters to your unique needs.

With Aahar, users can embark on a culinary journey, exploring a diverse range of menus and cuisines. The app takes into account various factors such as location, cuisine type, price range, and user reviews to offer a curated selection of food options. Say goodbye to endless searches and guesswork - Aahar brings you a world of culinary delights right at your fingertips.

One of the distinguishing features of the Aahar app is its emphasis on accommodating different dietary preferences and restrictions. Whether you follow a vegetarian, vegan, gluten-free, or allergen-free diet, Aahar has got you covered. You can easily filter your search results to find restaurants and dishes that align with your specific dietary needs, ensuring a seamless and enjoyable dining experience.

Beyond simply providing information, Aahar encourages user engagement and interaction. Users can leave reviews and ratings, sharing their dining experiences with others and helping fellow food enthusiasts make informed choices. The app also offers a favourites feature, allowing you to bookmark your preferred restaurants or dishes for easy access in the future.

The Aahar app seamlessly integrates with online ordering platforms, enabling users to place food orders with a few taps on their smartphones. No more hassle of making phone calls or waiting in line - Aahar streamlines the entire ordering process, saving you time and effort.

II. FEATURES:

The Aahar app offers a range of features designed to make food donation easy and accessible. One of the key features of the app is the ability for donors to easily create a profile and list the type of food they have available for donation. The app also allows donors to set their location and availability, making it easy for receivers to find them.

In addition to connecting donors with receivers, the Aahar app also includes features to ensure that donated food is safe and hygienic. The app includes guidelines for food safety and hygiene, and all donors are required to follow these guidelines to ensure that the food they donate is safe to consume.

Another feature of the Aahar app is its rating and review system. Donors and receivers can rate each other based on their experience, providing valuable feedback to help improve the app and ensure that everyone has a positive experience.

Fig.1 Login Page

The login page of the Aahar app plays a crucial role in providing users with a secure and personalized experience. By logging in, users can access their personal accounts, ensuring that their information and preferences are safeguarded within the app. This login functionality sets the foundation for users to take full advantage of the app's features.

Once logged in, users can enjoy a range of personalized recommendations tailored to their preferences. The app takes into account their past orders, favorite cuisines, and dining preferences to offer suggestions that align with their tastes. This personalized approach enhances the user's ability to discover new and exciting dining options.

III. METHODS:

1. **Requirements Gathering:** The first step in developing the Aahar app was to gather requirements from stakeholders, including food donors, receivers, and organizations that help distribute the food. This involved conducting surveys, interviews, and focus group discussions to understand the needs of all parties involved in food donation.

2. **Design and Prototyping:** Once the requirements were gathered, the team created wireframes and mockups to design the user interface of the app. The design process included creating different views for food donors, receivers, and organizations, as well as incorporating features like real-time notifications, search functionality, and chat functionality for communication between donors and receivers.

3. **Development:** The Aahar app was developed using a combination of Java and Kotlin programming languages in Android Studio. Firebase was used as the backend for the app, providing features like authentication, real-time database, and cloud messaging. The app was developed using the Agile methodology, with regular sprints and testing to ensure the app was meeting user requirements.

4. **Testing:** The Aahar app was tested using a combination of manual and automated testing. The team performed unit testing, integration testing, and user acceptance testing to ensure the app was functioning as expected and meeting user requirements. The app was also tested on different devices to ensure it was compatible with different screen sizes and operating systems.

5. **Deployment and Maintenance:** The Aahar app was deployed to the Google Play Store for Android users. The team continues to monitor and maintain the app, releasing updates and bug fixes as needed to ensure the app is meeting user needs and providing a seamless experience for food donors and receivers.

IV. TECHNOLOGIES:

The Aahar app was developed using a range of technologies, including Android Studio, Java, Kotlin, and Firebase. Android Studio is an integrated development environment (IDE) used for developing Android applications. The Aahar app was built using Android Studio, allowing developers to easily design the user interface and develop the functionality of the app. Java is a programming language used for developing Android applications. Java was used extensively in the development of the Aahar app, including for its backend server and database.

Kotlin is a programming language designed to be more concise and expressive than Java. Kotlin was used for the frontend development of the Aahar app, making it easier for developers to write clean and efficient code.

Firebase is a mobile and web application development platform developed by Google. Firebase provides a range of services for building and managing mobile applications, including real-time database, hosting, and authentication. Firebase was used in the Aahar app for its real-time database service, allowing donors and receivers to update their profiles and listings in real-time.
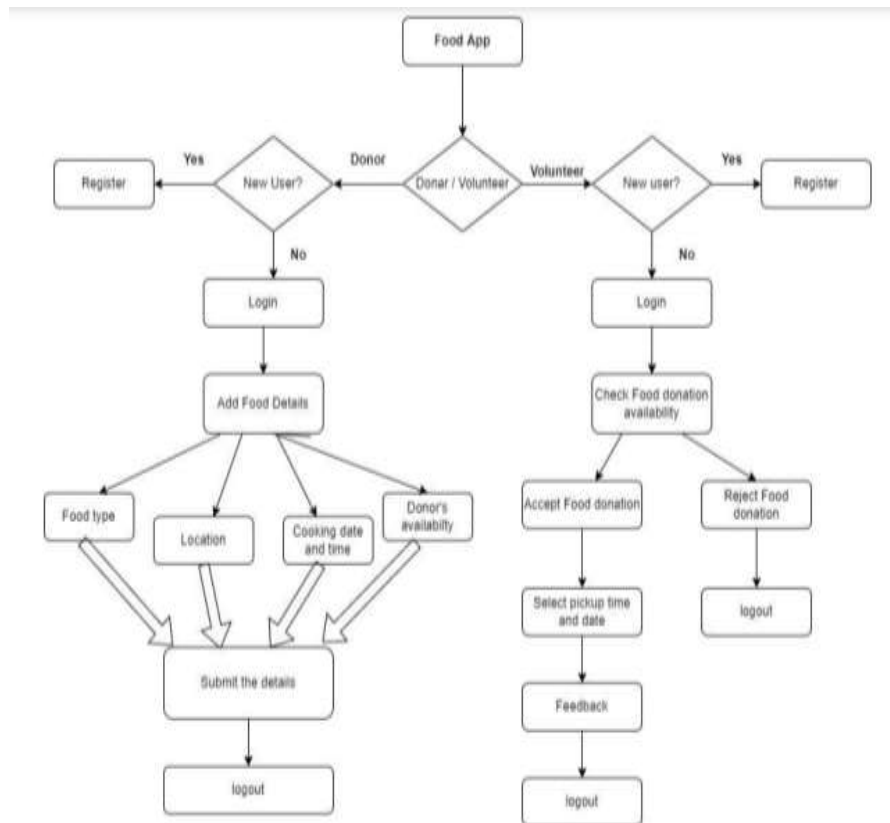

Fig.2 Flow Chart of Food Donating App

V. CONCLUSION:

The Aahar app provides a valuable service by connecting people who have extra food to donate with those in need. The app includes features to ensure that donated food is safe and hygienic, as well as a rating and review system to help improve the app and ensure that everyone has a positive experience. The app was developed using a range of technologies, including Android Studio, Java, Kotlin, and Firebase, allowing developers to build a user-friendly and efficient application. Overall, the Aahar app is an excellent example of how technology can be used to promote social welfare and help those in need.

Our study has look into the problem of food waste that has many serious side effects economically and socially. However, the waste of the food can be prevented or at lowest decreased using political rules and technology. Mobile application technology is helpful for food waste management.

The app objective to encourage better food management. Our proposed solution should reduce food waste by facilitating food sharing in group using

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