

Task: Offer Informing App

Objective:

Build a web application that connects customers with businesses by allowing businesses to post offers and functions, and customers to view and claim these offers within a 10km radius. The app should also provide insights or reports on the posts made by businesses and include a polling system to gather customer preferences.

Requirements:

1. User Types:

- **Customers:**
 - View offers within a 10km radius.
 - Claim offers posted by businesses.
 - Participate in polls to share preferences.
- **Businesses:**
 - Register their shop and create posts for offers and functions.
 - View insights or reports on the performance of their posts (e.g., number of views, claims, etc.).
 - Create polls to understand customer preferences.

2. Core Features:

- **User Authentication:** Implement a simple authentication system for both customers and businesses.
- **Offer Posting:**
 - Businesses should be able to add offers, discounts, or special functions.
 - Each offer should include a title, description, image, validity period, and location.
 - Ensure offers are visible only to customers within a 10km radius.
- **Offer Viewing:**
 - Customers should be able to browse offers based on their location.
 - Implement filters for offer types, such as discounts, events, etc.
- **Claiming Offers:** Allow customers to claim offers and provide a mechanism for businesses to verify the claim.
- **Insights/Reports:**
 - Businesses should have access to a dashboard displaying the performance of their posts (views, claims, customer demographics, etc.).
- **Polling System:**

- Businesses can create polls with multiple-choice questions to gather customer preferences.
 - Display poll results to businesses to help them make informed decisions.
- **Location-Based Features:** Use geolocation to determine the customer's location and calculate the distance to nearby businesses.
- 3. **Technical Requirements:**
 - **Frontend:** React.js for building the user interface.
 - **Backend:** Node.js with Express.js for API development.
 - **Database:** MongoDB for storing user data, offers, and poll results.
 - **Location Services:** Use a suitable API to handle geolocation and calculate the distance between customers and businesses.
 - **Responsive Design:** Ensure the app is mobile-friendly.
- 4. **Bonus Features (Optional):**
 - **Push Notifications:** Notify customers of new offers or when they are within range of a business.
 - **Review System:** Allow customers to leave reviews or ratings for businesses after claiming an offer.
 - **Analytics Dashboard:** Provide businesses with more detailed analytics, such as peak times for offer claims.

Deliverables:

- A fully functional web application with the features mentioned above.
- Source code hosted on a version control platform like GitHub.
- A brief documentation or README file explaining how to set up and run the application.

Submission:

- Include a README.md file with instructions on how to set up and run the project locally.
- Include comments in the code to explain the functionality of different parts
- Submit your project as a GitHub repository link. Ensure the repository is public and includes all necessary files and instructions to run the app.

Note:

- You are free to use any extensions to complete this task.
- Avoid using ready-made designs. We expect you to implement the logic yourself.
- Your submission will be evaluated based on the functionality, code quality, and adherence to the requirements outlined above.
- You are free to use any design tools and resources at your disposal.

- Focus on creating a user-friendly and visually appealing design that meets the requirements outlined above.

Submission Instructions:

- Email your completed task along with any additional documentation or explanations.
- Ensure timely submission of your fully completed task to the provided email address.

» Email Subject: Task Submission (AVODHA)

» TO: placement.head@avodha.co.in

» Deadline: Wednesday , 14 / 08 / 2024, August by 10 : 00 AM

Submission Guidelines:

Ensure timely submission of your fully completed task, including the link , Hosted link of the webpage / website , to the provided email address. It is essential to include a concise README alongside your submission, featuring clear instructions.

By completing this task, you will demonstrate the ability to conduct thorough user research, design user-centric solutions, and iterate based on feedback, showcasing their readiness for the role.

Plan your time wisely, dividing your time between designing, coding, testing, and documenting. Focus on making the core features work well before adding any extra functionalities. create a visually appealing and intuitive interface.

This task will be the first criterion for shortlisting candidates for the company. Please ensure that your submission is sent before the specified deadline to the provided email address. Late submissions may not be considered for evaluation.

This task aims to assess your ability to create a website with a focus on user interface design, interactivity, and functionality. Good luck!