

FULL STACK DEVELOPER – TASK

This task is designed to assess your ability to replicate a complex data dashboard and build a complete full-stack web application. The outcome will demonstrate your capabilities in frontend and backend development, product thinking, and initiative. Please approach this as you would a real-world feature assignment.

1. Overview

You are expected to build a fully functional web application that replicates a Power BI dashboard, based on the wireframes we will provide. You may use any technology stack that best suits the problem, with the aim of delivering a clean, responsive, and user-friendly interface with dummy data.

2. Objectives

2.1 Dashboard Replication

You will be provided with visual wireframes (screenshots) representing the desired UI layout and components. Your task is to closely replicate the layout, interaction, and styling using the frontend technology of your choice.

2.2 Web Application Development

Your solution must include the following:

- Frontend Requirements:
 - - Dashboard UI replication as per wireframes
 - - Table with sortable/filterable dummy JSON data
 - - Static chatbot widget (no logic needed)
 - - Navigation (top bar or sidebar)
 - - Map feature with polygon drawing, dummy pins, and filtering
- Backend Requirements:
 - - `/login` route with hardcoded authentication
 - - `/data` route to serve table and map data
 - - Optional: JWT/session authentication

2.3 Personal Contribution Requirement – (BONUS)

You must include at least one additional feature or improvement that you believe will enhance the usability, performance, or value of the web application. This is your opportunity to showcase your product thinking and creativity.

3. Deliverables

Your final submission must include:

- - GitHub repository with all source code (frontend + backend)
- - Live frontend link (e.g., Vercel, Netlify)
- - (Optional) Hosted backend link (e.g., Render, EC2, Railway)
- - README file with the following:
 - - Tech stack used
 - - Setup instructions
 - - Explanation of your own added feature
 - - Challenges faced and how you resolved them
 - - (Optional) Screenshots or video walkthrough

4. Evaluation Criteria

You will be evaluated based on the following criteria:

- - Code quality and architecture
- - Accuracy in UI replication
- - Creativity and value of added feature
- - Product thinking and initiative
- - Clean and deployable solution

5. Timeline

You will have five (5) days from the time of receiving the wireframes to submit your completed task. **Late submissions will not be accepted.**

6. What We Will Provide

- - Screenshots/wireframes of the target dashboard
- - Dummy dataset

For any clarifications or support requests, feel free to reach out to us.