Upteky Solution Pvt. Ltd.

SDE Intern Task: Feedback Dashboard

Objective:

Build and deploy a full-stack Feedback Management Dashboard that allows users to submit feedback, view feedbacks, and analyze basic insights such as positive vs. negative ratings.

This task will test your full-stack understanding - frontend, backend, database, and deployment - within a 2-hour window.

Requirements:

Frontend:

- Create a Feedback Form with fields: Name, Email, Message, and Rating (1-5)

- On submit, send data to backend API

- Display all feedbacks in a table (Name, Email, Rating, Message, CreatedAt)

- Add analytics cards: total feedbacks, average rating, positive (4+) vs negative (<3)

Backend:

- Build an Express.js API with:

  - POST /api/feedback -> Add feedback

  - GET /api/feedback -> Fetch all feedback

  - (Optional) GET /api/stats -> Return analytics data (avg rating, total count)

- Include validation for empty name/message

Database:

- Use SQLite, MySQL, or MongoDB

- Table/Collection: feedbacks

  - id (primary key)

  - name (string)

  - email (string)

  - message (text)

- rating (integer)

  - createdAt (datetime)

Deployment:

- Frontend -> Vercel / Netlify

- Backend -> Render / Railway / Cyclic

- DB -> SQLite (local) or hosted (Mongo Atlas / Render MySQL)

Evaluation Criteria:

Functionality: 30% - Meets all basic requirements

Code Quality: 20% - Clean, structured, and readable code

API Logic: 15% - Correct REST API implementation

Frontend Integration: 15% - UI communicates properly with backend

Database Usage: 10% - Persistent data and correct schema

Deployment: 10% - Working live demo

Submission Format:

- GitHub Repository link (with code for frontend & backend)

- Live URLs (Frontend + Backend)

- Optional: Screenshots or short Loom video demo

Duration: 2 Hours

Bonus (Optional):

- Search/filter by rating

- Export feedbacks to CSV

- Basic authentication for dashboard

Example Stack:

Frontend: React (Vercel)

Backend: Node.js + Express (Render)

Database: SQLite / MongoDB

Example Deliverable:

Frontend: feedback-dashboard.vercel.app

Backend: feedback-api.onrender.com

Database: SQLite (stored in repo)

Good luck, and happy building!