Full■Stack Screening Assignment

Incident Tracker Mini App

Overview
Build a small full■stack web application that allows engineers to create, browse, and manage production incidents. The goal of this assignment is to evaluate frontend engineering, backend API design, database querying, pagination logic, and overall engineering decision■making.

Estimated Time: 6–10 hours (guideline only). Focus on clarity, correctness, and structure.

Functional Requirements

1. Create incidents with validation
2. Fetch incidents from a database
3. Display incidents in a paginated table (server■side pagination required)
4. Search, filter, and sort incidents server■side
5. View incident details and update status
6. Seed database with ~200 records

Incident Data Model
id (uuid/int), title, service, severity(SEV1■SEV4), status(OPEN/MITIGATED/RESOLVED), owner(optional), summary(optional), createdAt, updatedAt

Backend Expectations
Implement REST APIs for:
POST /api/incidents
GET /api/incidents (pagination, filtering, sorting)
GET /api/incidents/:id
PATCH /api/incidents/:id

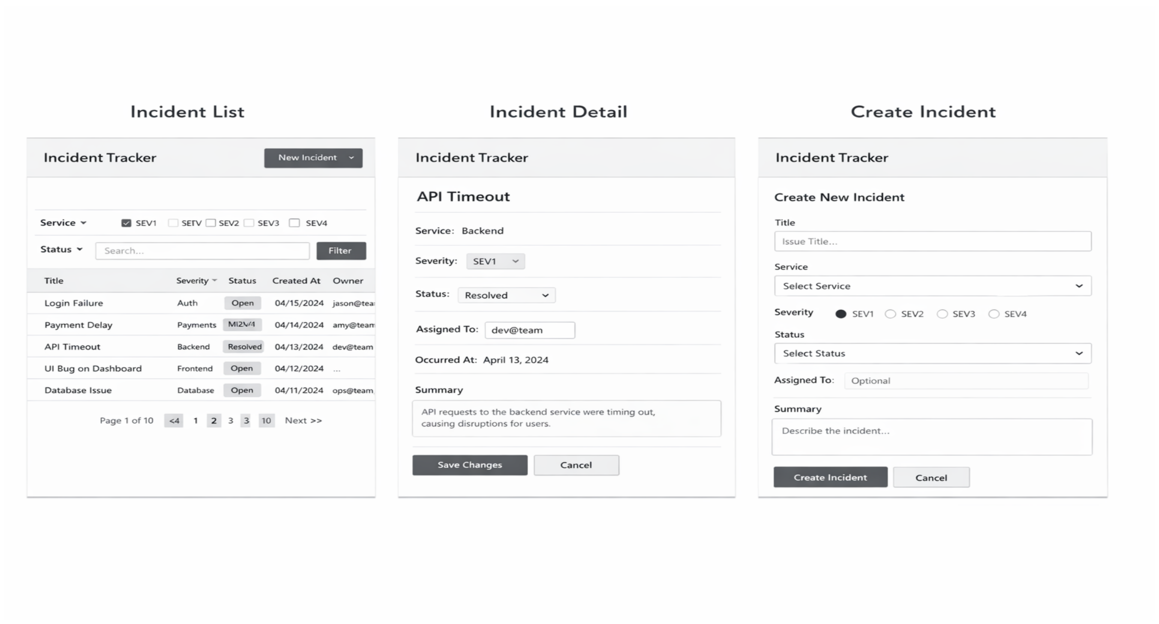
Use proper validation, indexing where appropriate, and parameterized queries/ORM safety.

Frontend Expectations
Build a responsive UI including:
- Paginated table with loading states
- Column sorting
- Filters and debounced search
- Detail page editing
- Create incident workflow

Focus on component organization and clean UX states.

Reference Wireframes

The following mock wireframes illustrate expected UI layout direction:



Title	Severity	Status	Created At	Owner
Login Failure	Auth	Open	04/15/2024	jason@tea
Payment Delay	Payments	MI2V4	04/14/2024	amy@team
API Timeout	Backend	Resolved	04/13/2024	dev@team
UI Bug on Dashboard	Frontend	Open	04/12/2024	...
Database Issue	Database	Open	04/11/2024	ops@team

API Timeout

Service: Backend

Severity: SEV1

Status: Resolved

Assigned To: dev@team

Occurred At: April 13, 2024

Summary

API requests to the backend service were timing out, causing disruptions for users.

Create New Incident

Title: Issue Title...

Service: Select Service

Severity ● SEV1 ○ SEV2 ○ SEV3 ○ SEV4

Status: Select Status

Assigned To: Optional

Summary: Describe the incident...

Submission Instructions
Please submit your solution as a public GitHub repository including:

/backend — backend source code
/frontend — frontend source code

README.md must include:
• Setup/run instructions
• API overview
• Design decisions & tradeoffs
• Improvements you would make with more time

Share the repository link with the hiring team upon completion.