Full Stack Developer Assessment Task

Overview

Part 1: Build Twitter's/X home page interface in React with optional sign-in functionality
Part 2: Design and document a complete backend architecture for Twitter-like social media platform

Frontend Requirements (React):

Build a replica of Twitter's home page in **React** with the following features:

Core Features

1. **Landing Page Layout**
   - Left sidebar with navigation menu (Home, Explore, Notifications, etc.)
   - Main content area with tweet feed
   - Right sidebar with trending topics and suggestions
   - Responsive design (mobile + desktop)
2. **Tweet Feed Interface**
   - Display mock tweets with user avatars, names, handles
   - Like, retweet, comment, and share buttons
   - Tweet timestamps and interaction counts
   - "What's happening?" tweet composer box
3. **Sign-in Flow (optional)**
   - Implement Google Sign-in

Backend Architecture Documentation

Create comprehensive technical documentation for a Twitter-like backend system that could handle millions of users.

1. System Architecture Overview

2. Database Design

3. API Design

4. Core Features Implementation

Deliverables

Frontend Submission - GitHub Repository link
Backend Documentation - Share a doc or PDF document.

Submission Deadline: July 6th, 2025 at 11:59 PM