# Technical Test: Document Processing API and Dashboard

## Objective:

Develop a .NET (C#) and React.js application that allows users to upload ZIP files, extract an index CSV, store metadata in a SQL Server database, and display the documents in a React-based frontend.

## 1️⃣ Backend - API in .NET (C#) with ASP.NET Core

### Processing Flow:

1. User uploads a ZIP file via API.  
2. API extracts the CSV file inside the ZIP (CSV format: pdf\_name;first\_name;last\_name;age;address;ssn).  
3. Data is stored in SQL Server (document metadata, upload timestamp).  
4. API provides endpoints to retrieve processed data.

### Required API Endpoints:

✅ POST /upload → Accepts a ZIP file, extracts CSV, and saves metadata.  
✅ GET /documents → Lists all processed documents.  
✅ GET /documents/{id} → Retrieves metadata of a specific document.

## 2️⃣ Frontend - React.js Application

### Main Features:

✅ File Upload Page:  
- Form to select and upload a ZIP file.  
- Display success/failure messages.  
  
✅ Document List Page:  
- Table showing uploaded documents.  
- Search/filter by name or date(only frontend).

## 3️⃣ Expected Deliverables

✅ GitHub Repository containing the source code and database script.

✅ Backend: API in .NET (ASP.NET Core).  
✅ Frontend: React.js app with basic UI (using Bootstrap/Tailwind).  
✅ Database: SQL Server storing document metadata.  
✅ README file explaining how to run the project.