# Technical Assessment – Ethan Backend Engineer

## Task: Develop a REST API for a file management system

Objective: Create a REST API that allows users to upload, download, and delete files from a server. The API should support authentication and authorization for security.

## Requirements:

Develop an API using ASP.NET/ASP.Net Core

Implement the following endpoints:

POST /api/v1/files: allows users to upload a file

GET /api/v1/files/:id: allows users to download a file

DELETE /api/v1/files/:id: allows users to delete a file

Use a database (e.g. MSSQL,Mongodb) to store file metadata (e.g. file name, size, and upload date)

Implement authentication and authorization using a popular library (e.g. JWT, OAuth)

Handle errors and return appropriate HTTP response codes

Write automated unit tests for the API

## Evaluation Criteria:
Code quality, organization, and readability

API design and functionality

Security and error handling

Test coverage and automation

## Additional Task (Bonus Points), Optional*

Containerize the solution and provide a working docker-compose file for the solution