Student Document Management System (SDMS)

Objective

- A secure and user-friendly platform for students to register, upload, and manage their documents.

- Admin oversight for approving student accounts and verifying submitted files.

Technology Stack

- **Frontend**: Angular 15+ (HTML, CSS, TypeScript, Bootstrap)

- **Backend**: ASP.NET Core Web API (C#)

- **Database**: SQL Server / Oracle

- **Authentication**: ASP.NET Identity (JWT-based)

Workflow

Step 1: Student Registration

Step 2: Admin Approval/Reject

Step 3: Document Upload (Approved Students Only)

Step 4: Admin can View and Download uploaded documents

Modules Overview

- Admin Module
- Student Module

Admin Module

Purpose: Allow admins to manage students and documents.

Features:

1. **Dashboard**

   ○ Total students, pending approvals, uploaded documents count

2. **Student Management**

   ○ View list of students

   ○ Approve / Reject new registrations

   ○ Edit student details

3. **Document Management**

   ○ View uploaded documents by student

   ○ Download documents

   ○ Delete documents (optional)

Student Module

Purpose: Allow approved students to manage their documents.

Features:

1. **Profile**

   - View and edit personal details

2. **Document Upload**

   - Upload PDF files

   - File type and size validation

   - Show upload progress bar

3. **My Documents**

   - View list of uploaded documents

   - Download document

   - Delete

Tables

AspNetUsers (Identity default table)

- `Id` (PK)

- `UserName`

- `Email`

- `PasswordHash`

- `Status` (Pending, Approved, Rejected)

StudentDocument

- `DocumentId` (PK)

- `StudentId` (FK → AspNetUsers.Id)

- `DocumentTypeId`

- `FilePath`

- `UploadedOn` (datetime)

StudentDocument

- `DocumentTypeId`

- `DocumentTypeName` (Id Proof,MarkSheet, Certificates)

ThankYou…