# Overview:

The Video Catalogue challenge is an ASP.NET Core 6 MVC single URL web application which allows users to upload and view MP4 videos. The application’s CSS is designed with bootstrap and allow users to view and upload using JavaScript. I have chunks to upload media files in both JavaScript and in web API.

# Project Structure:

**Model:** Contains the data models used in applications.

* **Video.cs:** Contains video file properties such as name, size and path
* **ErrorViewModel.cs:** It is a default model in ASP.Net Core which represents error information

**View:** Contains the view for the Frontend

* **Home**: Contains the views for the home page.
  + **Index.cshtml:** Main view that dynamically loads either the upload or catalogue view. Has contain all the JavaScript to upload and view videos.
  + **Upload.cshtml:** View for uploading videos.
  + **Catalogue.cshtml:** View for displaying the list of uploaded videos.
* **Shared**: Contains shared views like **\_Layout.cshtml, ValidationScriptsPartial.cshtml** and **Error.cshtml** which are part of ASP.Net by default

Other default Views are **ViewImports.cshtml** and **\_ViewStart.cshtml**

**Controller:** Contains the logics for handling HTTP requests and work as mediator between Model and View

* **HomeController.cs**: Handles the main views for the application. It uses partial View functionality to display and particular web page.
* **UploadController.cs:** Handles the file upload functionality via API. It has the logics for file upload which file size shouldn’t be greater than 200mbs, can’t upload the same file and files should be in MP4 format.

**wwwroot:** Contains static files such as CSS, JavaScript, bootstrap and media files (files got stored into the media folder after upload)

**Media:** All the media files have been downloaded from <https://mixkit.co/free-stock-video/> . You can see them in Video Folder