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CSE 686 – Internet Programming
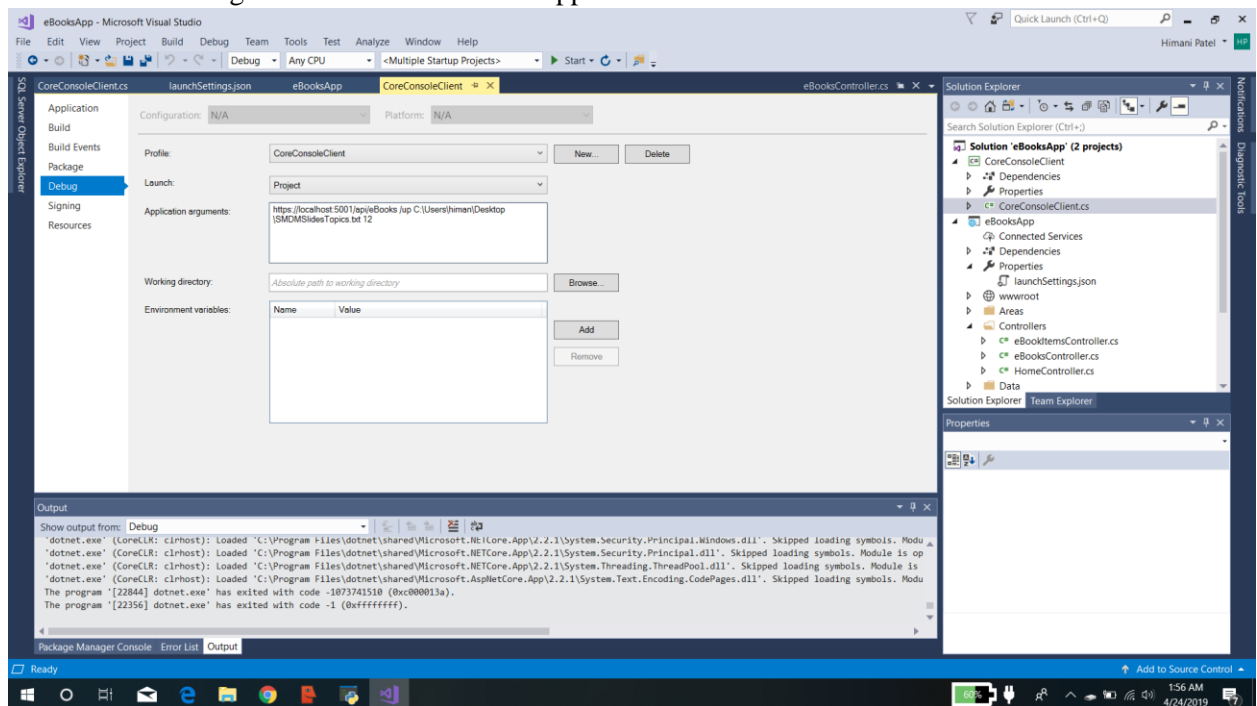
Mission of my Web Service:

I am working on Project 2 i.e. eBook Reader. I have implemented a web service that uploads and downloads a document and it also gets a list of uploaded documents in the file storage.

I have used .NET Core Console Application as the Http Client. It uses command line arguments to perform all the requests mentioned above for fetching or providing files through the web service.
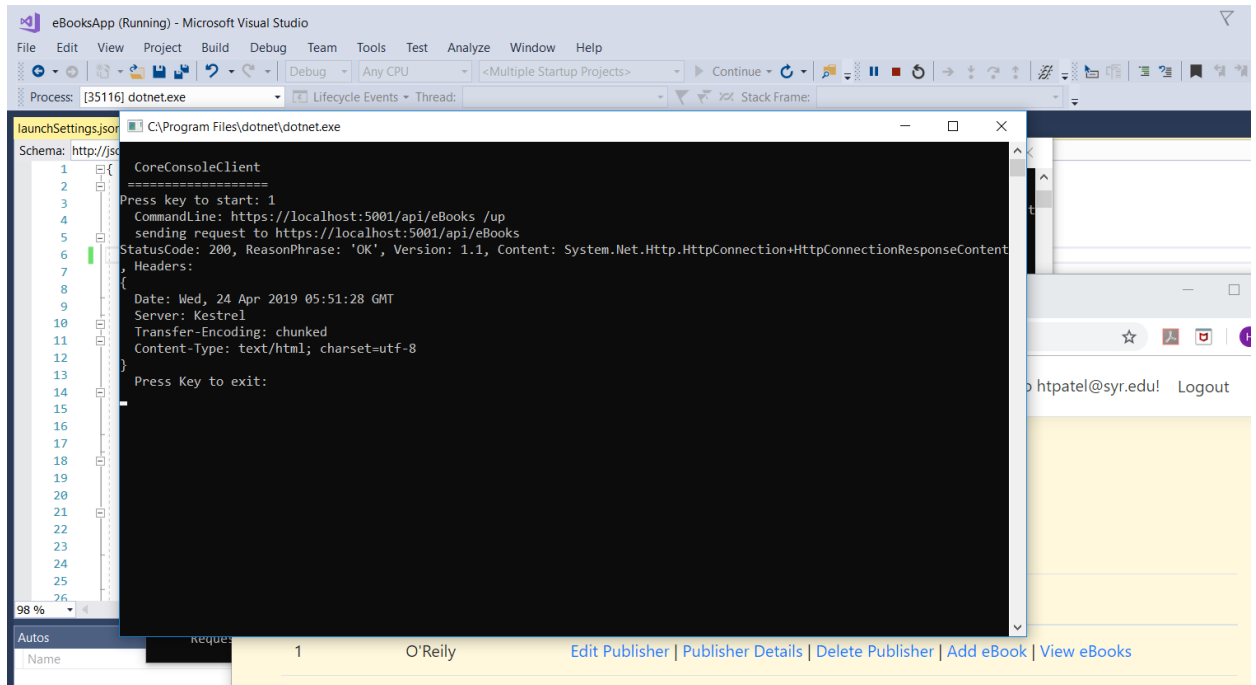
While uploading a file, we mention the url of the api controller with the localhost and port number. We give the file path of the file to be uploaded as the second argument and the eBookId of the file whose metadata is uploaded to the database as the third argument. The eBookId is already stored in the database and we use it to store the filepath and filename in the database where the eBookId is equal to the passed eBookId.

Uploading a File:

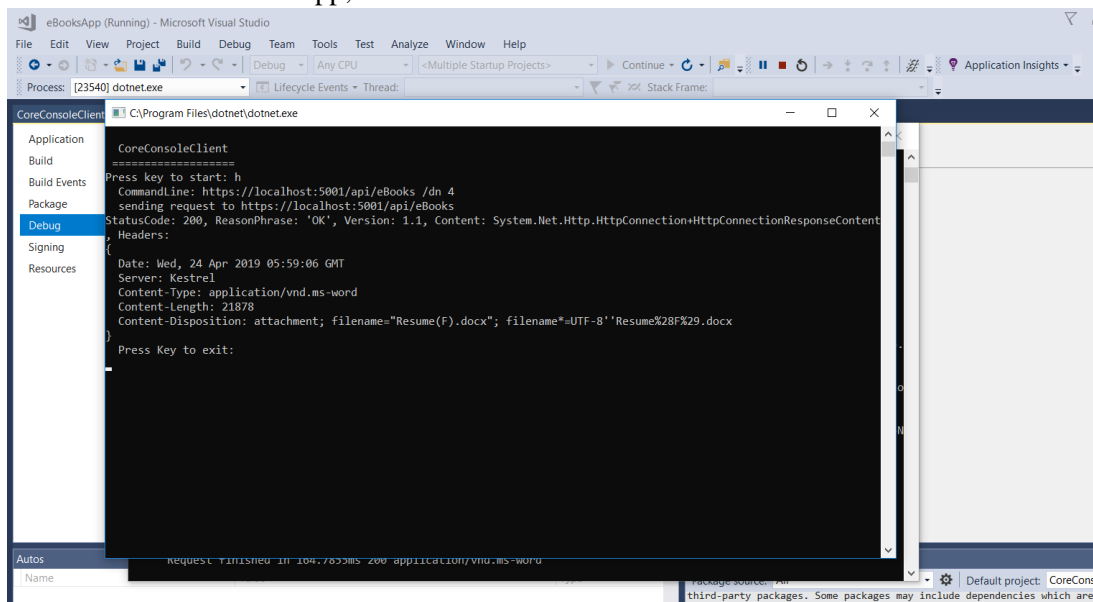- Command Line Arguments in Core Console Application:
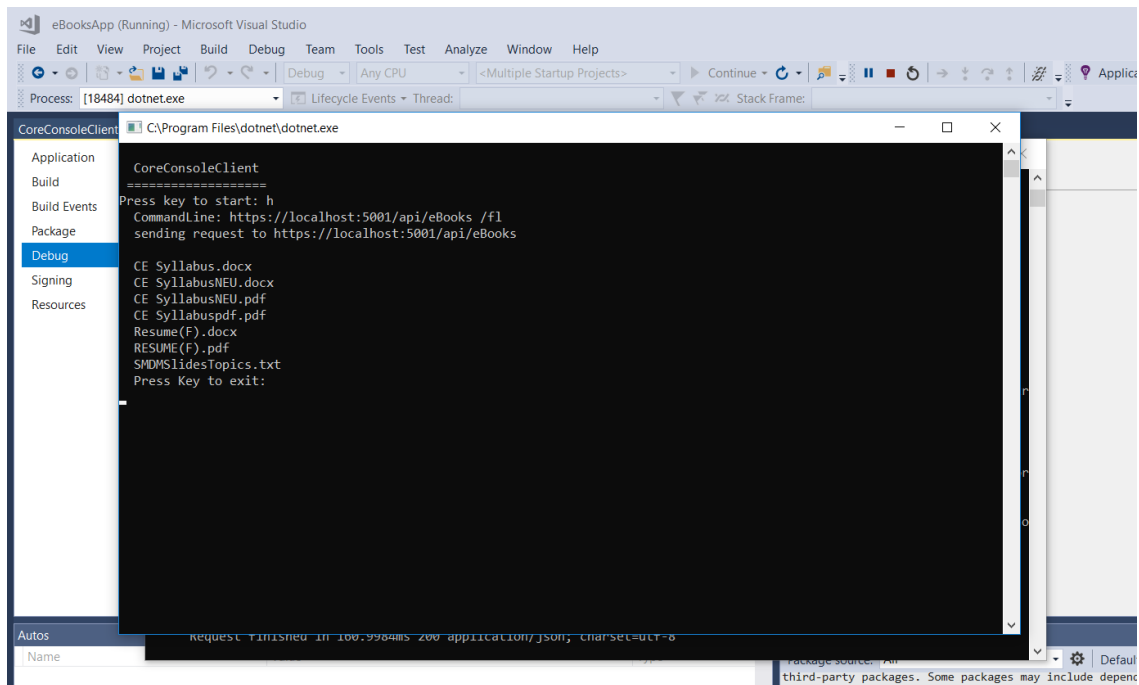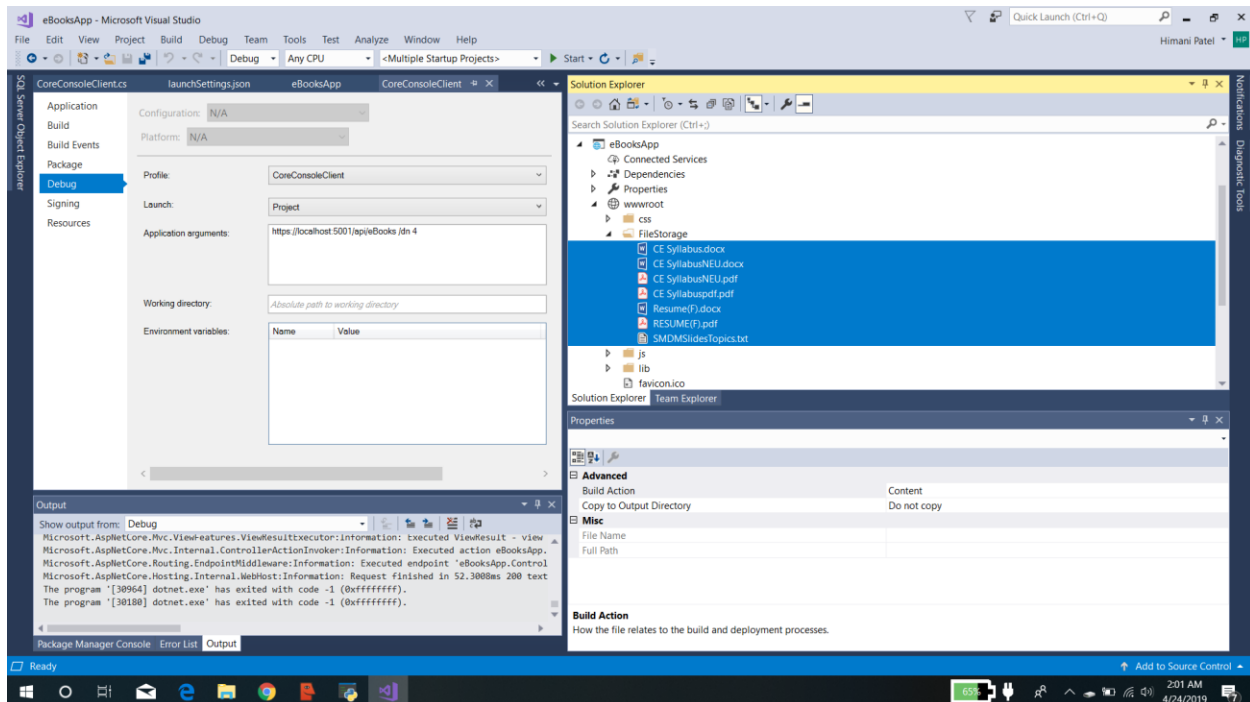

- Result on Core Console App:

Downloading a File:
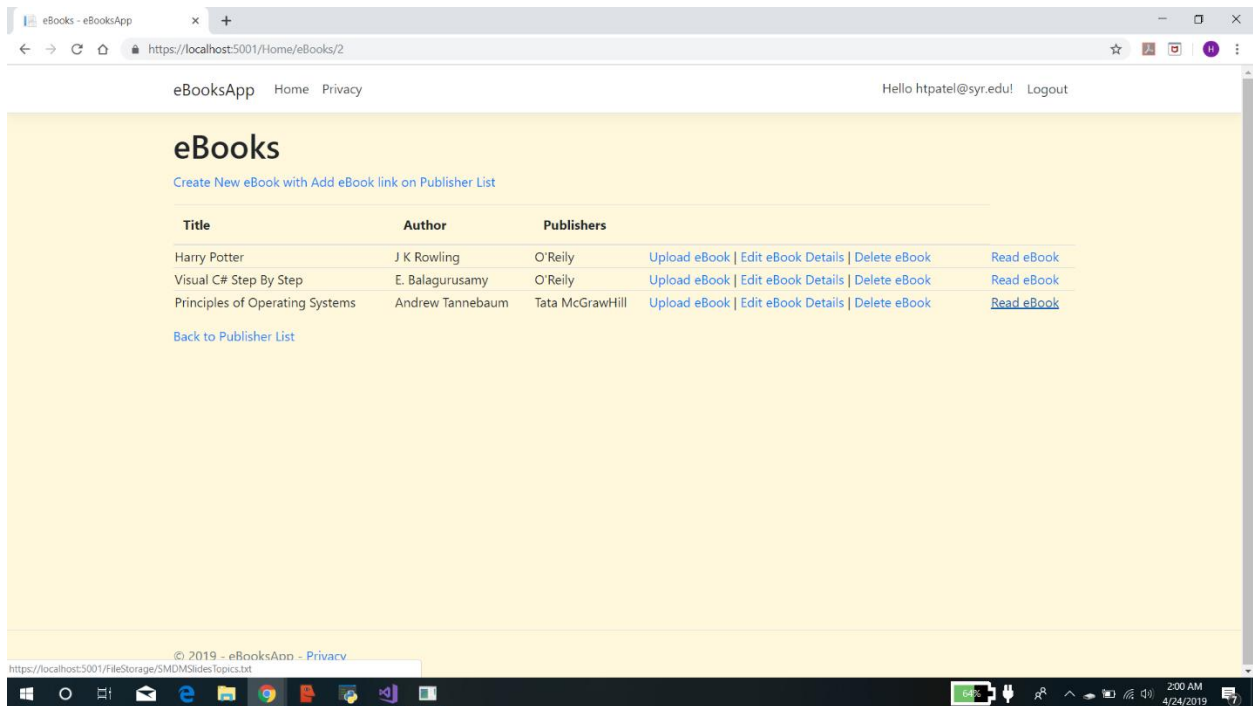
- Result on Core Console App;

Getting Files list:

Uploaded Files in the File Storage:

The filename and filepath of the uploaded files are stored in the database, and that path is used in the web application as a link to read/access the uploaded files.
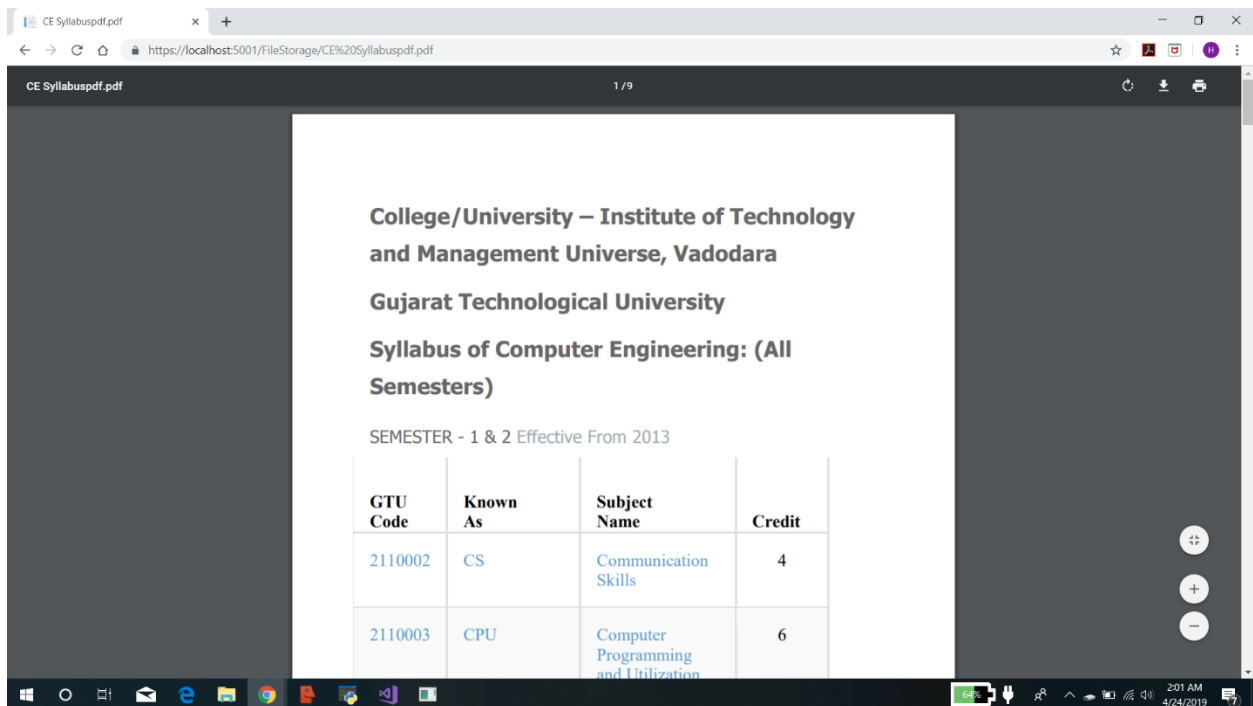
File path as a link to read/access the uploaded file:

Reading/Accessing the file: