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CSE 686 – Internet Programming

Mission of my Web Service:

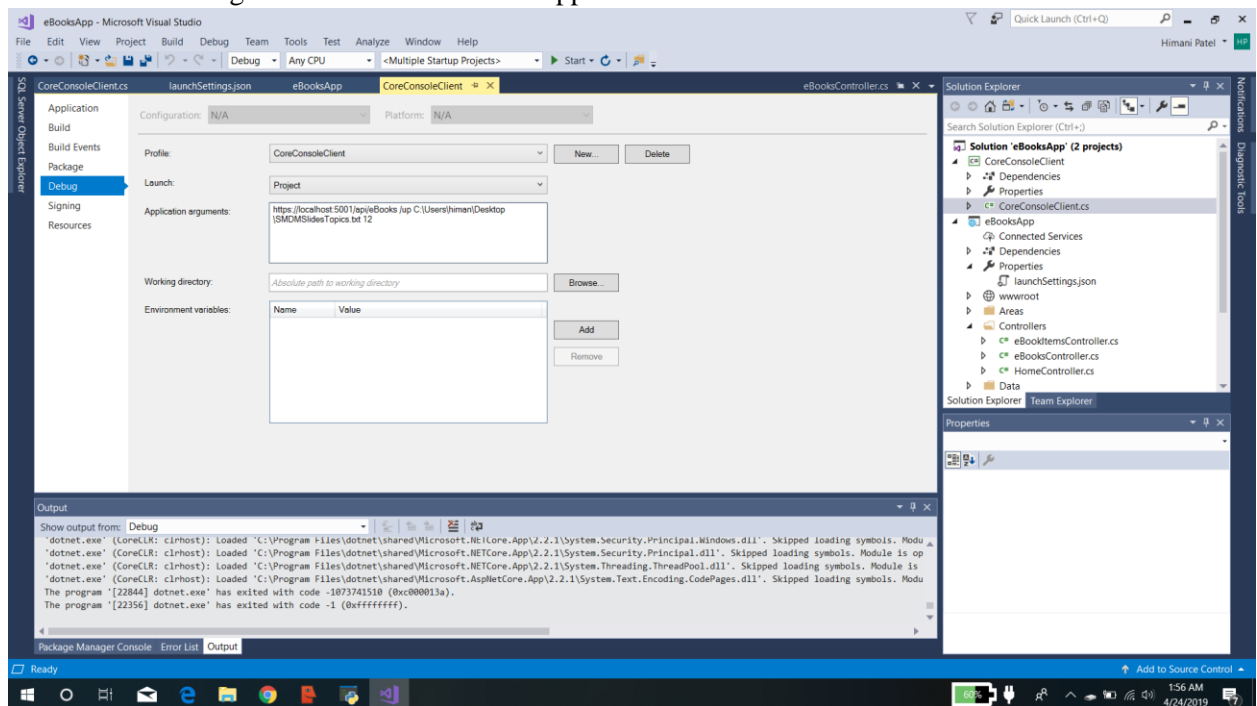
I am working on Project 2 i.e. eBook Reader. I have implemented a web service that uploads and downloads a document and it also gets a list of uploaded documents in the file storage.

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.

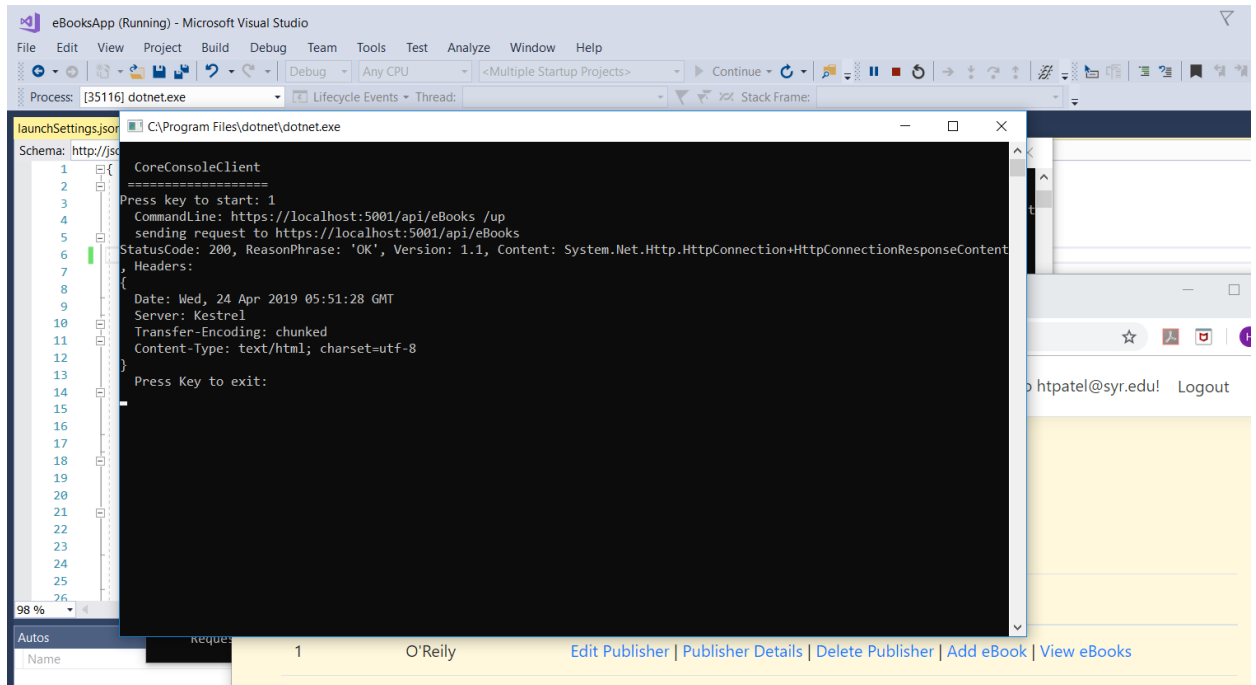
While uploading a file, we mention the url of the api controller with the localhost and port number. We give the file path of the file to be uploaded as the second argument and the eBookId of the file whose metadata is uploaded to the database as the third argument. The eBookId is already stored in the 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:

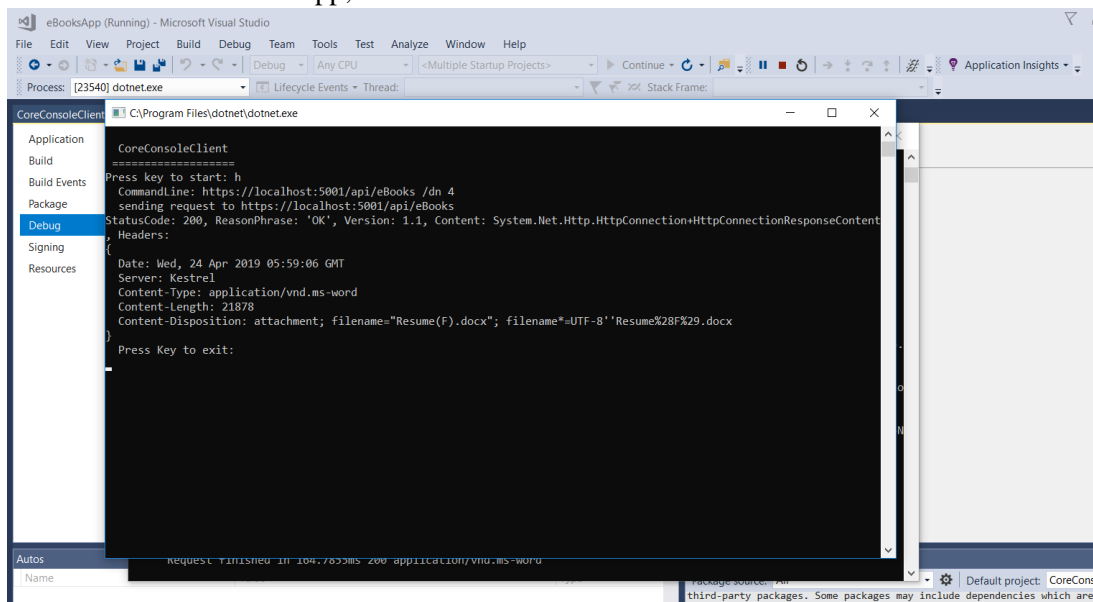


- Result on Core Console App:

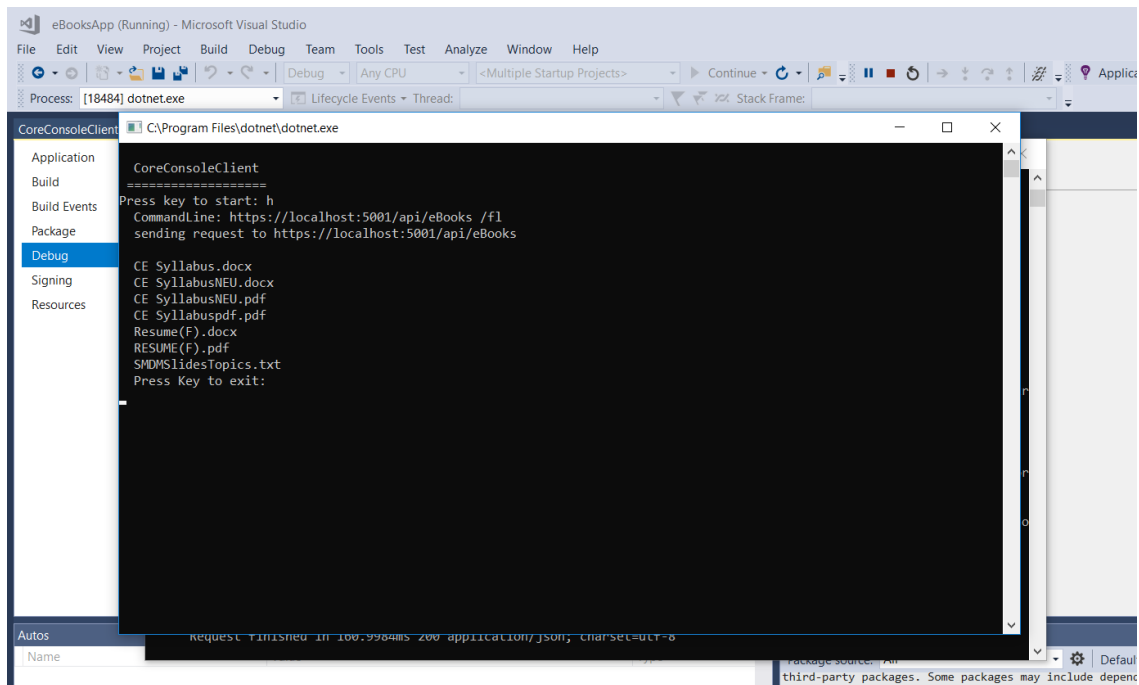


## Downloading a File:

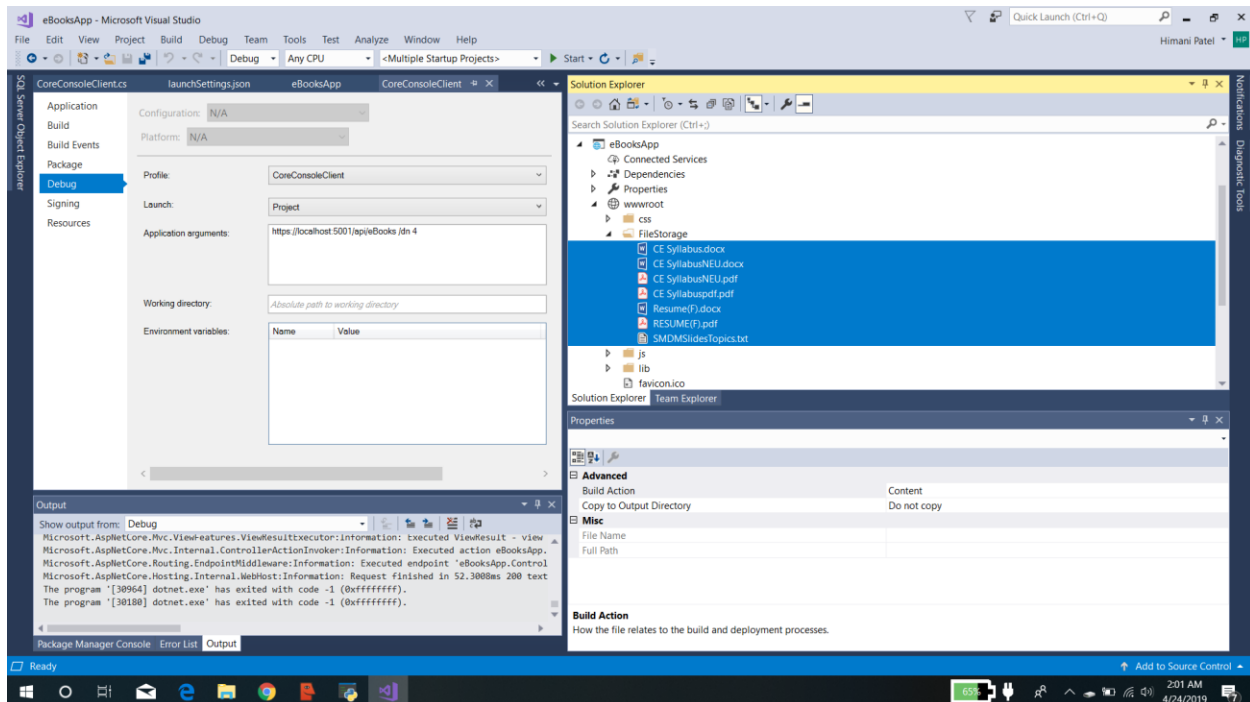
- Result on Core Console App;



## Getting Files list:

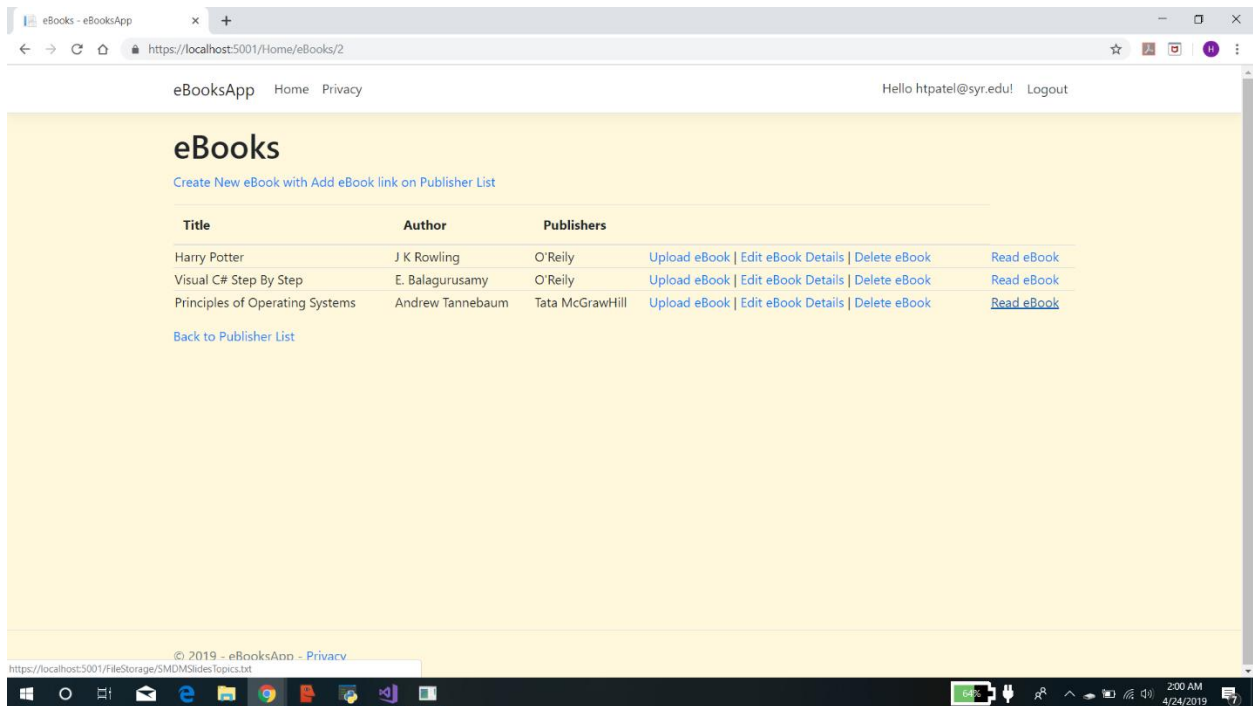


## Uploaded Files in the File Storage:



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.

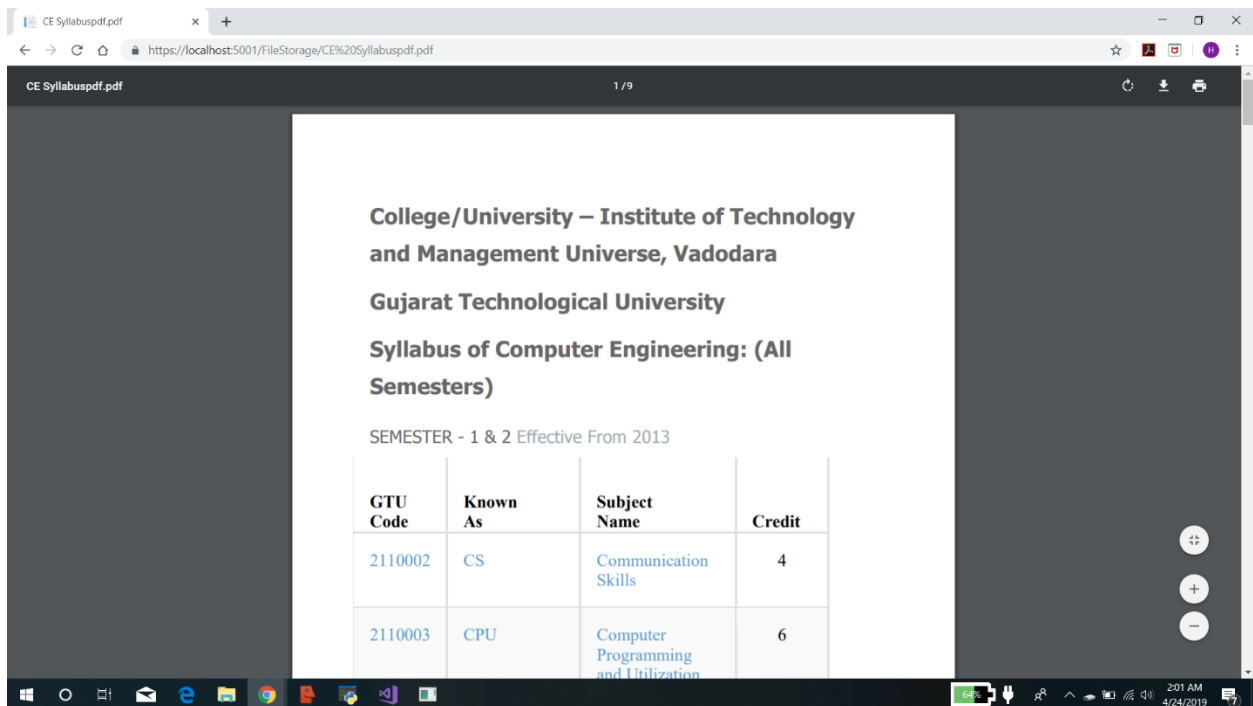
File path as a link to read/access the uploaded file:



The screenshot shows a web browser window with the address bar displaying `https://localhost:5001/Home/eBooks/2`. The page title is "eBooksApp" and the user is logged in as "Hello httpatel@syr.edu!". The main content area has a yellow background and displays the title "eBooks" with a link "Create New eBook with Add eBook link on Publisher List". Below this is a table with columns "Title", "Author", and "Publishers". The table lists three books: "Harry Potter" by J K Rowling (O'Reilly), "Visual C# Step By Step" by E. Balagurusamy (O'Reilly), and "Principles of Operating Systems" by Andrew Tanenbaum (Tata McGrawHill). Each row has links for "Upload eBook", "Edit eBook Details", "Delete eBook", and "Read eBook". A "Back to Publisher List" link is at the bottom. The footer shows "© 2019 - eBooksApp - Privacy" and a link to "https://localhost:5001/FileStorage/5MDN5idesTopics.txt".

Title	Author	Publishers
Harry Potter	J K Rowling	O'Reilly
Visual C# Step By Step	E. Balagurusamy	O'Reilly
Principles of Operating Systems	Andrew Tanenbaum	Tata McGrawHill

Reading/Accessing the file:



The screenshot shows a web browser window with the address bar displaying `https://localhost:5001/FileStorage/CE%20Syllabuspdf.pdf`. The PDF document is titled "CE Syllabuspdf.pdf" and shows the following text:

**College/University – Institute of Technology and Management Universe, Vadodara**  
**Gujarat Technological University**  
**Syllabus of Computer Engineering: (All Semesters)**  
SEMESTER - 1 & 2 Effective From 2013

GTU Code	Known As	Subject Name	Credit
2110002	CS	Communication Skills	4
2110003	CPU	Computer Programming and Utilization	6