Requirement:
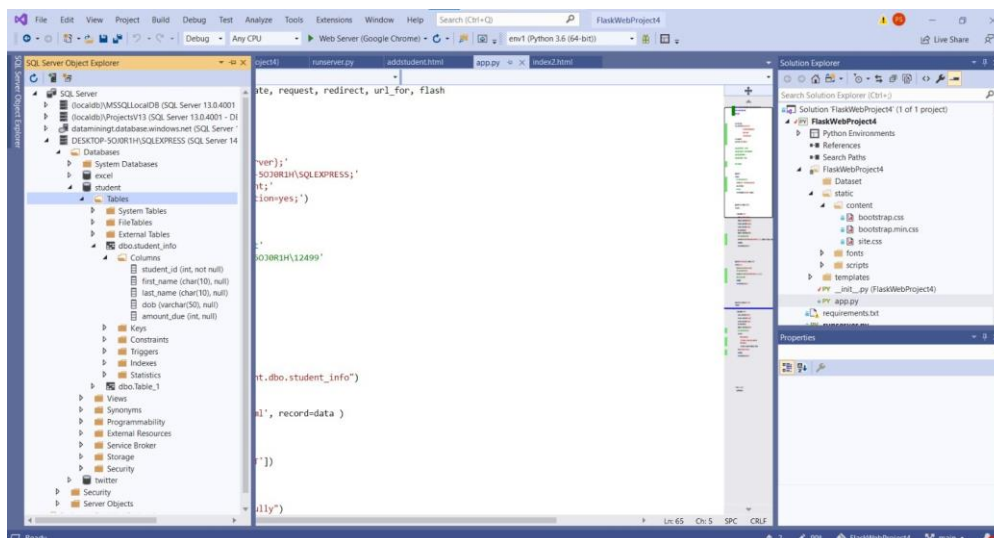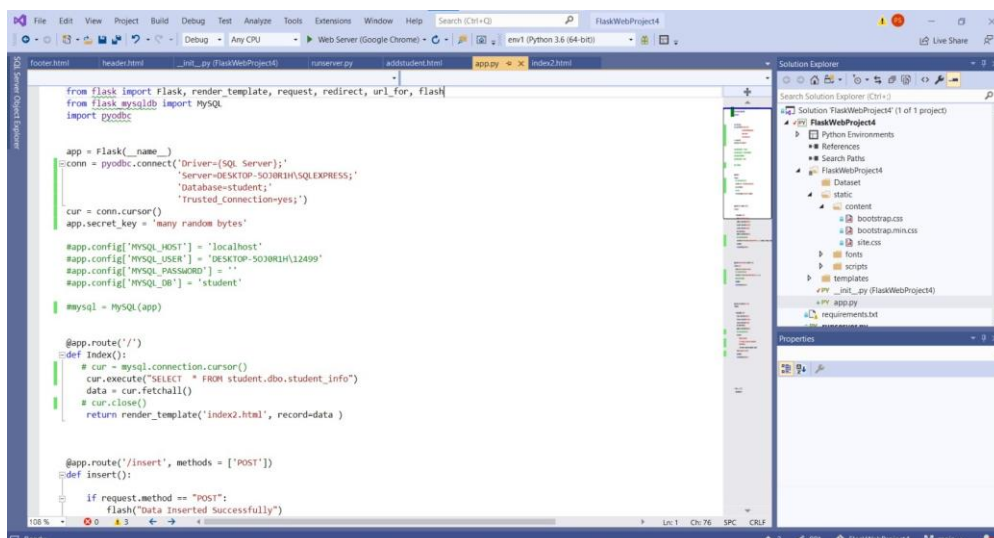
Build and develop RESTful API using Flask and perform CRUD (Create, Read, Update and Delete) operation. Database should consist of:

▪ student id, first name, last name, dob(date of birth), amount due

Task 1: Create a Database

Task 2: Create a Basic Flask App

Task 3: Create Function:

Student List [Add]

× Data Inserted Successfully
×

Update Record

Student ID: [   ]
First Name: [varun]
Last Name: [pasupuleti]
DOB: [03/01/2021 📅]
Amount Due: [700]
[Update]
[Close]
×

Update Record

Student ID: [   ]
First Name: [srija]
Last Name: [pasupuleti]
DOB: [02/28/2021 📅]
Amount Due: [200]
[Update]
[Close]

Student ID	First Name	Last Name	DOB	Amount Due	Action
30003	varun	pasupuleti	2021-03-01	700	Edit Delete
10001	srija	pasupuleti	2021-02-28	200	Edit Delete

×

Task 4: Read Function

Update Record

Student ID: [   ]
First Name: [varun]
Last Name: [pasupuleti]
DOB: [03/01/2021 📅]
Amount Due: [700]
[Update]
[Close]
×

Update Record

Student ID: [   ]
First Name: [srija]
Last Name: [pasupuleti]
DOB: [02/28/2021 📅]
Amount Due: [200]
[Update]
[Close]

Student ID	First Name	Last Name	DOB	Amount Due	Action
30003	varun	pasupuleti	2021-03-01	700	Edit Delete
10001	srija	pasupuleti	2021-02-28	200	Edit Delete

×

Task 5: Update Function

Student Record CRUD App

Student List [Add]

[×] Data Updated Successfully
[×]

Update Record

Student ID: [   ]
First Name: [srija]
Last Name: [pasupuleti]
DOB: [02/28/2021] 📅
Amount Due: [200]
[Update]
[Close]

Student ID	First Name	Last Name	DOB	Amount Due	Action
10001	srija	pasupuleti	2021-02-28	200	Edit Delete

[×]

Insert Data

Student ID: [   ]
First Name: [   ]
Last Name: [   ]
DOB: [mm/dd/yyyy] 📅
Amount Due: [   ]
[Insert Data]
[Close]

Task 6: Delete Function

Student Record CRUD App

Student List [Add]

[×] Record Has Been Deleted Successfully
[×]

Update Record

Student ID: [   ]
First Name: [srija]
Last Name: [pasupuleti]
DOB: [02/28/2021] 📅
Amount Due: [200]
[Update]
[Close]

Student ID	First Name	Last Name	DOB	Amount Due	Action
10001	srija	pasupuleti	2021-02-28	200	Edit Delete

[×]

Insert Data

Student ID: [   ]
First Name: [   ]
Last Name: [   ]
DOB: [mm/dd/yyyy] 📅
Amount Due: [   ]
[Insert Data]
[Close]

Task 7: All Records

Student Record CRUD App

Student List [Add]

localhost:5000 says

Are You Sure For Delete?

[OK] [Cancel]

[×]

Update Record

Student ID: [   ]
First Name: [srihitha]
Last Name: [pasupuleti]
DOB: [03/30/2021]
Amount Due: [100]
[Update]
[Close]

[×]

Update Record

Student ID: [   ]
First Name: [srija]
Last Name: [pasupuleti]
DOB: [02/28/2021]
Amount Due: [200]
[Update]
[Close]

Student ID	First Name	Last Name	DOB	Amount Due	Action
10080	srihitha	pasupuleti	2021-03-30	100	Edit Delete
10001	srija	pasupuleti	2021-02-28	200	Edit Delete

[×]

Task 8: Website

← → C ① localhost:5000

Student List [Add]

[×] Data Inserted Successfully
[×]

Update Record

Student ID: [   ]
First Name: [varun]
Last Name: [pasupuleti]
DOB: [03/01/2021]
Amount Due: [700]
[Update]
[Close]

[×]

Update Record

Student ID: [   ]
First Name: [srija]
Last Name: [pasupuleti]
DOB: [02/28/2021]
Amount Due: [200]
[Update]
[Close]

Student ID	First Name	Last Name	DOB	Amount Due	Action
30003	varun	pasupuleti	2021-03-01	700	Edit Delete
10001	srija	pasupuleti	2021-02-28	200	Edit Delete

[×]

Task 9: Git Repo
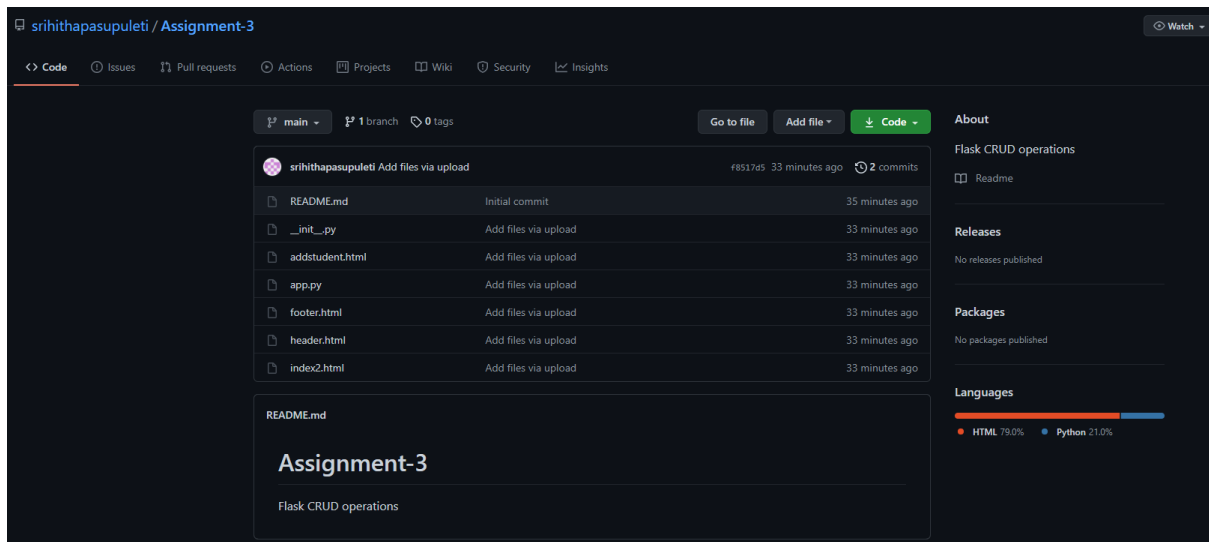
Task 10: Collaboration Plan

In total, we had two meeting to finish this assignment. Below is the breakdown of those two meetings.

Meeting Outcomes:

Kick off Meeting : March 19, 2021

1. Figure out how to do the assignment.
2. Divide the requirements and select deadlines and goals to finish.

Assignment Closing: March 30, 2021

1. Make sure the deliverables are ready.
2. Integrate the individual work into a document.
3. Cross the requirements and deliverables to make sure all tasks are achieved.