**Manual Test Plan:**

**Prerequisites:**

This project requires:

* Python 3
* PyCharm
* MongoDB

Make sure you have all of those installed before beginning.

This project was developed with PyCharm Professional, but you can run the command line without it.

**Environment Setup and Configurations:**

git clone https://gitlab.engr.illinois.edu/yiyins2/sp21-cs242-assignment2.git

cd sp21-cs242-assignment2

Before running the test and command line, you need to create a ‘.env’ file that includes:

MONGODB\_KEY = your mongodb URI

MONGODB\_DB = your database name

You also need to create three collections inside your database:

* “subjects”
* “subject-courses”
* “courses”

For running the test cases:

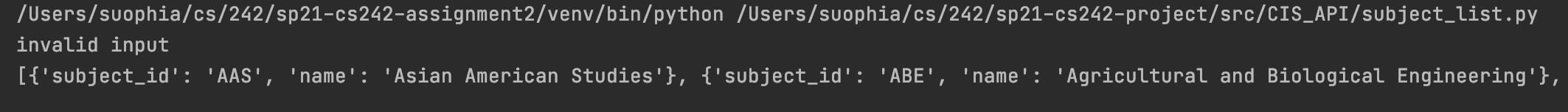
Right click the “test” directory and hit “Run ‘Unittests in test’”

**Manual Tests:**

**Parse all subjects:**

Graphical user interface, text, application, chat or text message

Description automatically generated



Print invalid input for invalid year-semester.

Print the parsed list of all subject if valid year-semester.

The list of all subjects in database:

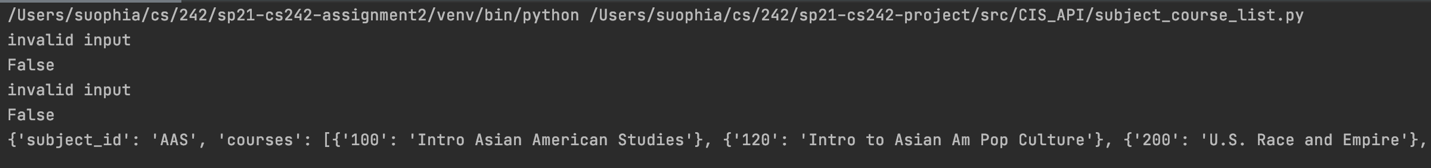
Graphical user interface, text, application

Description automatically generated

**Parse the list of all courses given subject:**

Graphical user interface, text, application

Description automatically generated



Print invalid input for invalid subject id and year-semester.

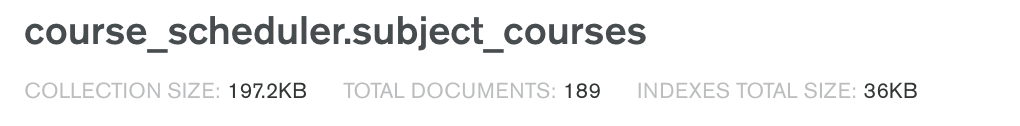
Print the parsed list of all subjects by subject for valid input.

The list of all courses partitioned by subject id in databased:

Graphical user interface, application

Description automatically generated

We can see that see that the number of subject documents and the number of subject courses documents are the same.

**Parse course info:**

A picture containing text, outdoor

Description automatically generated



Print invalid input for invalid subject id and year-semester.

Print the parsed course info for valid input.

Course info in database:

Graphical user interface, text, application

Description automatically generated

Static UI:

Home Screen:

Graphical user interface, application

Description automatically generated

Schedule View Screen:

Chart

Description automatically generated

Courses Screen:

Graphical user interface, application

Description automatically generated

Course Info Screen:

Graphical user interface, application, Word

Description automatically generated

Restrictions Screen:

Graphical user interface, application, Teams

Description automatically generated

Factors’ Importance Screen:

A picture containing timeline

Description automatically generated

**Connect front end and back end:**

**Graphical user interface

Description automatically generated with low confidence**

**Graphical user interface

Description automatically generated with low confidence**

Graphical user interface, application

Description automatically generated

A picture containing table

Description automatically generated

Graphical user interface, application

Description automatically generated with medium confidence

Graphical user interface, application

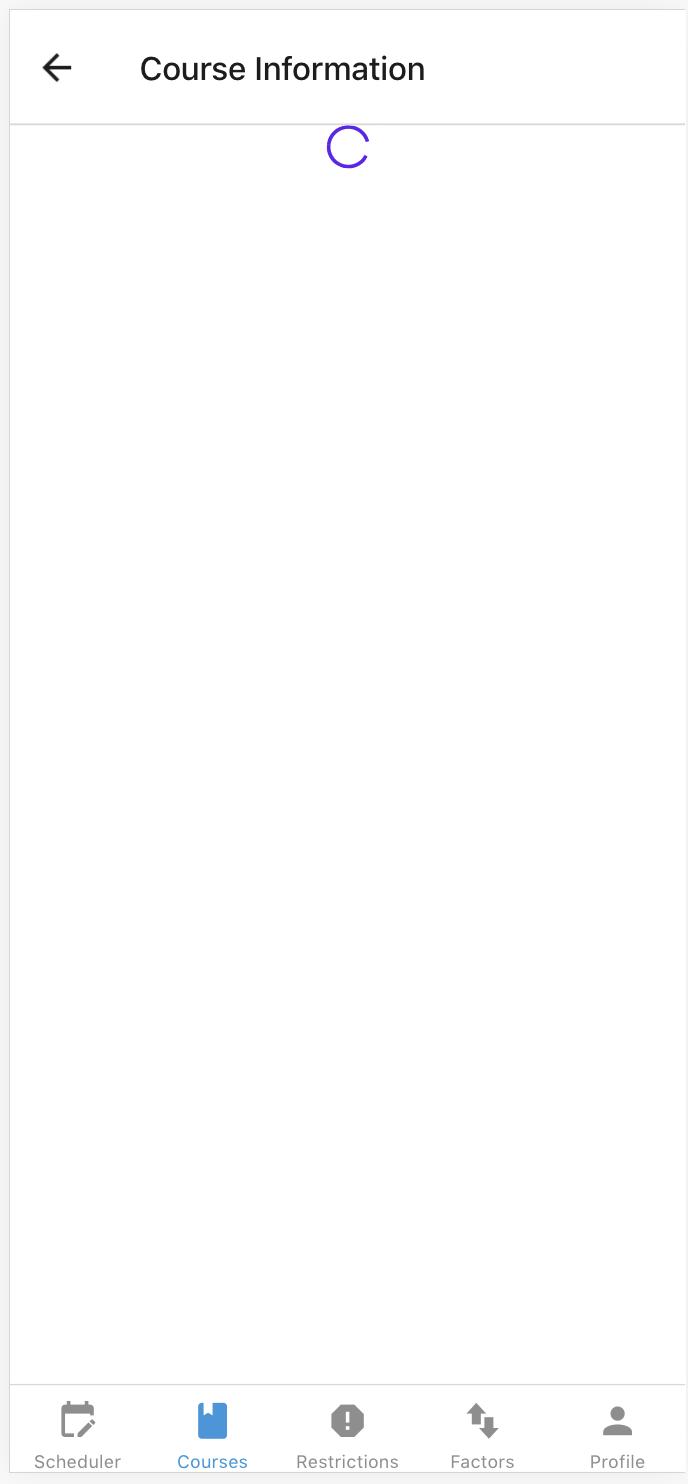
Description automatically generated

Text, letter

Description automatically generated

Text, letter

Description automatically generated



Graphical user interface, application, Teams

Description automatically generated