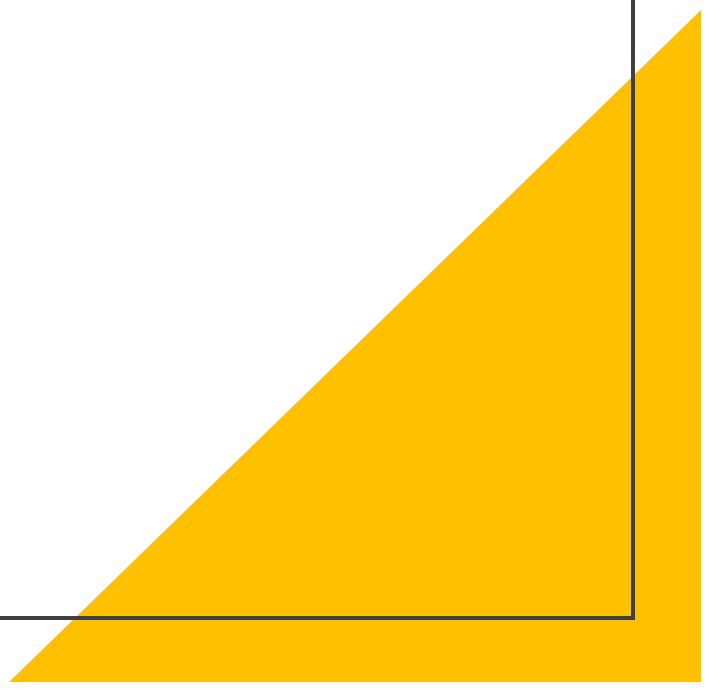


# Online Course Application Using Python

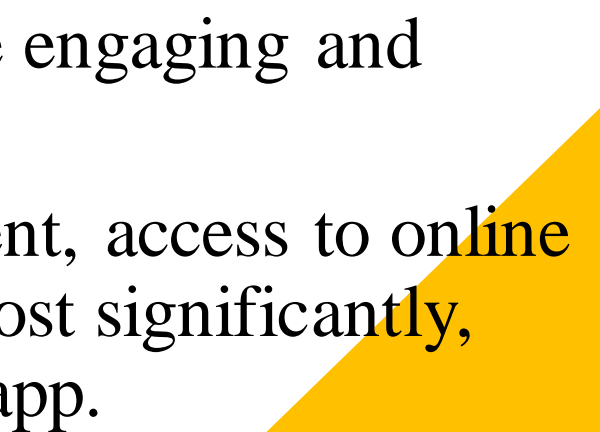
Sattiraju Ravi Krishna,  
Associate IT Consultant.

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# Agenda

- Introduction
  - Business Requirement
  - Methodology
  - Overview
  - Functional Requirements / Tools Used
  - Outputs
- 
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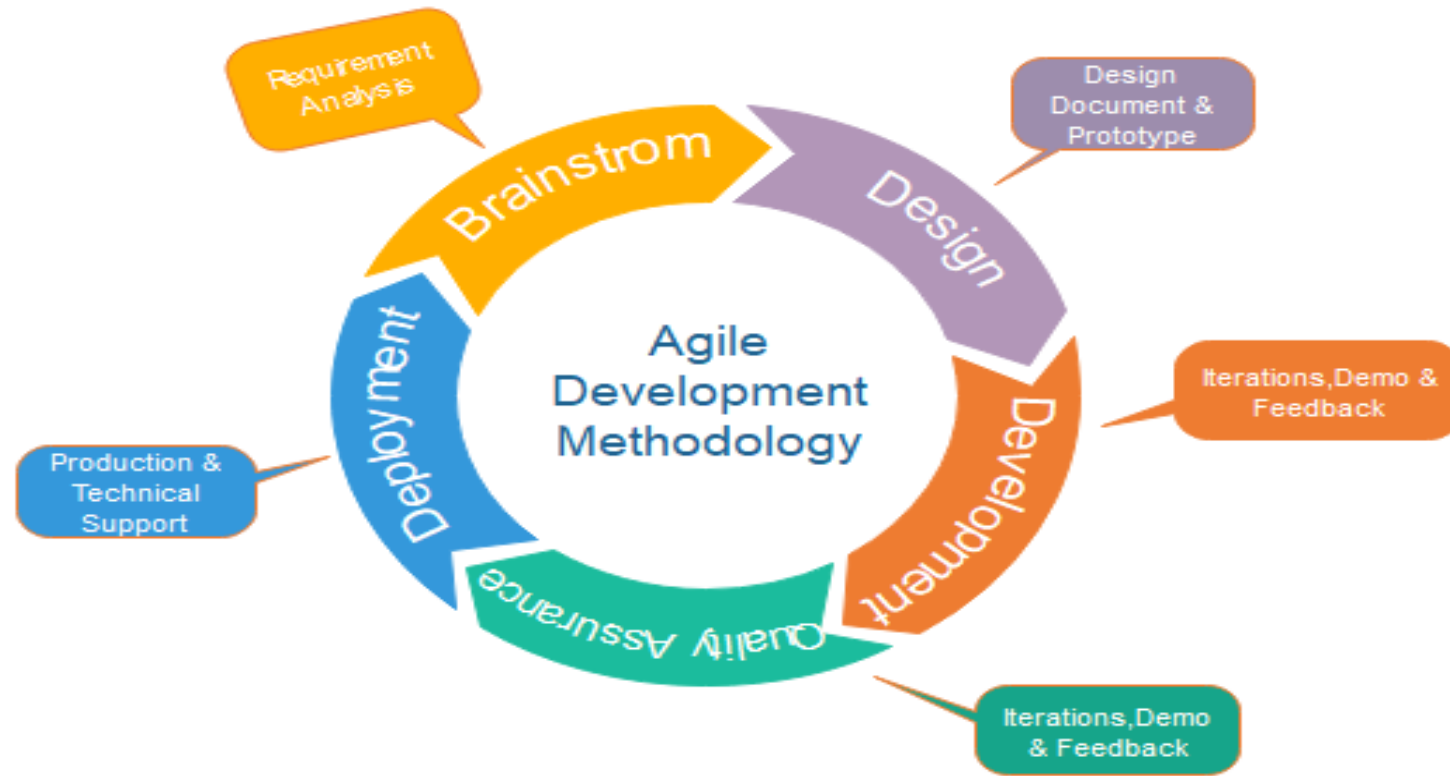
# Introduction

- Online learning Course app is a great learning tool for students who do not have access to a physical classroom.
  - Online learning Course apps are designed to be engaging and enjoyable for students.
  - Knowledge augmentation, improved engagement, access to online study material, ease of communication, and, most significantly, remote access are all advantages of a learning app.
- 
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# Business Requirements

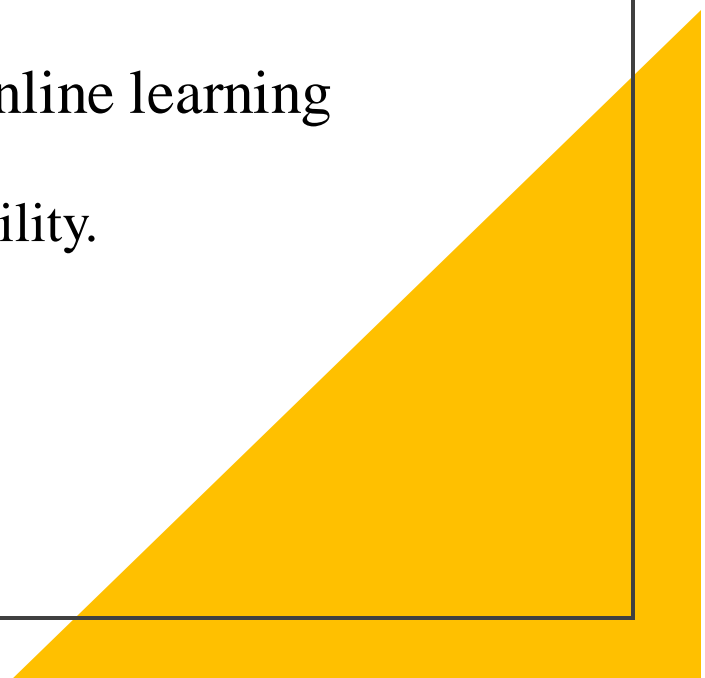
- Design an Online learning Course which can be worked on Desktop or laptop.
  - It is also allows users to take online classes in an efficient virtual environment.
  - The Course Should be Easily Available to Students and Mentors.
  - The Cost of the course should be Effective.
  - Should Have Customer Support and High Interface.
  - The System Failures Should be Less.
- 
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# Methodology

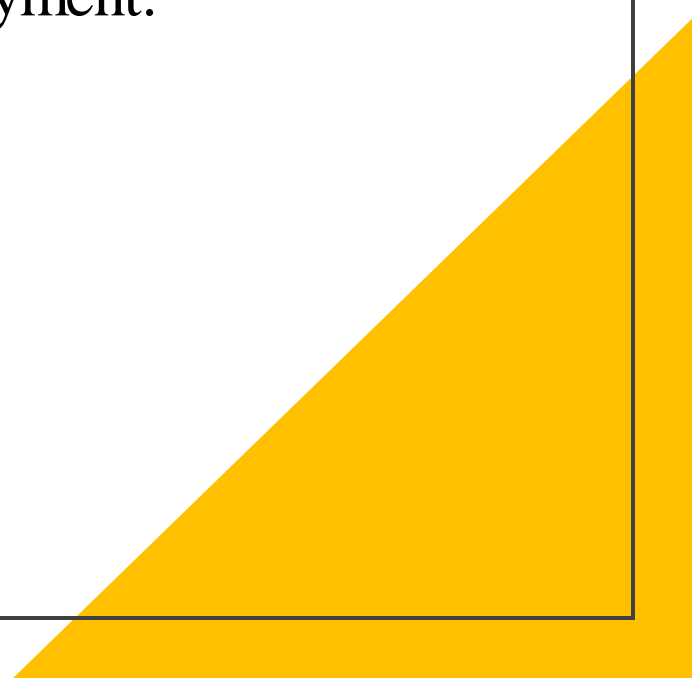


***Fig. Agile Model***

# Overview

- Online courses teach students how to manage their time better since the student bears the responsibility of engaging with the course instead of simply showing up to class on an assigned day and time.
  - As a result, students not only gain knowledge from the coursework, but they also sharpen their time management skills.
  - And also there are some advantages are there using these online learning application are:
    - Flexibility. Many people turn to online learning for its flexibility.
    - Ability to Advance a Career.
    - Wider Range of Courses and Programs.
- 
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# Functional Requirements / Tools Used

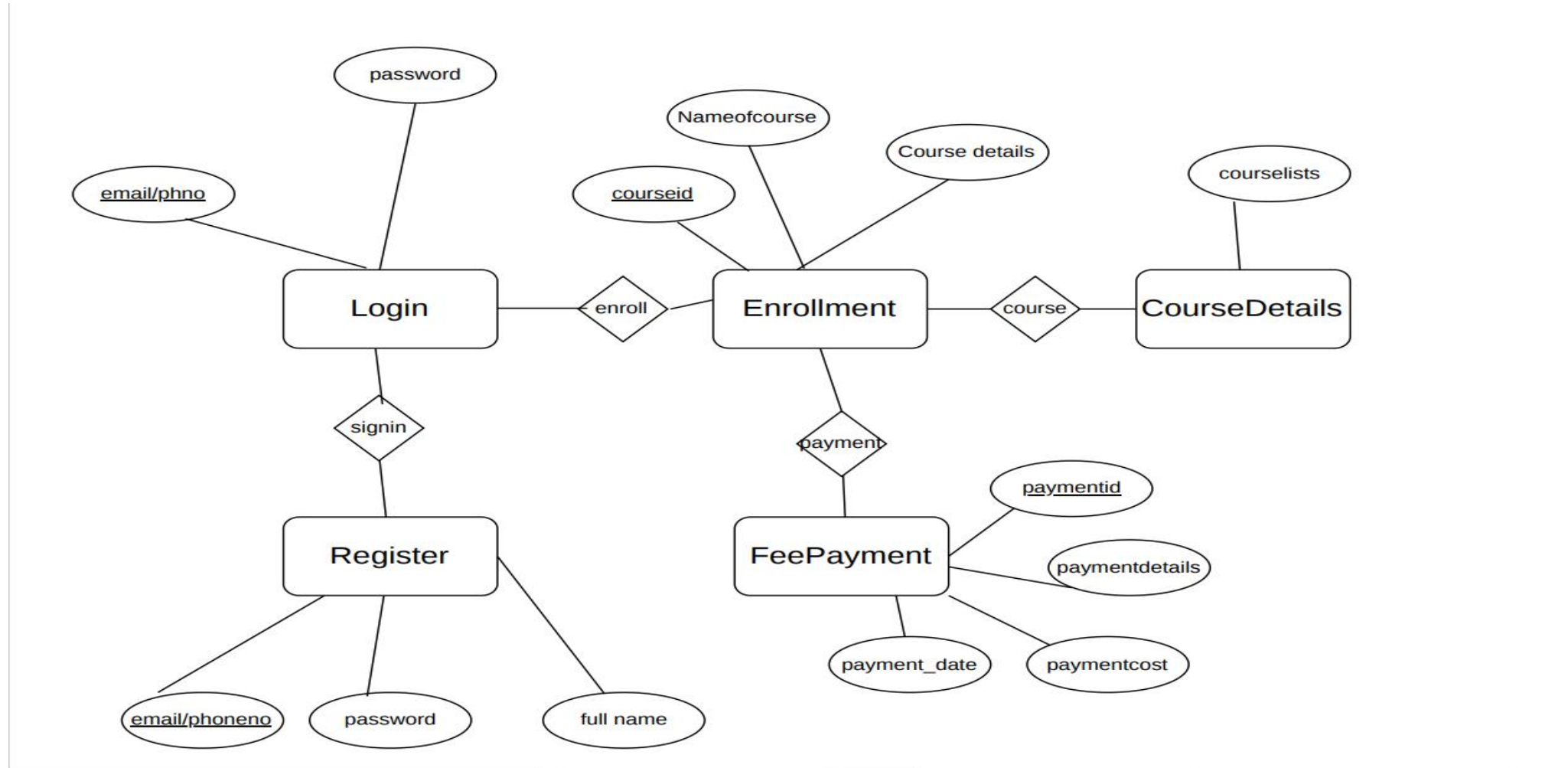
- The Application should ask Basic details for registering into the app like Full name, Email id and Password.
  - The Users could able to add Courses into Cart Page.
  - The System Should Allow Authorized Users to make any payment.
  - Tools used In this system are:
    - PyCharm IDE for Code Development.
    - Git hub for Version Control and Storing.
    - Aws for Deployment in Cloud.
    - MySQL Database For Storing Data.
- 
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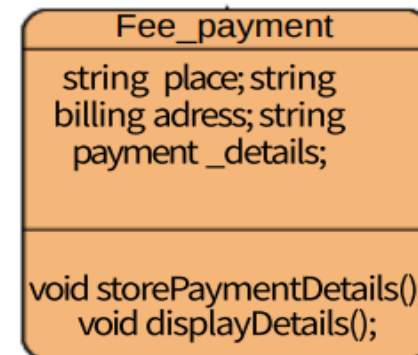
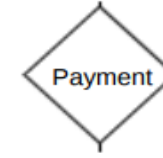
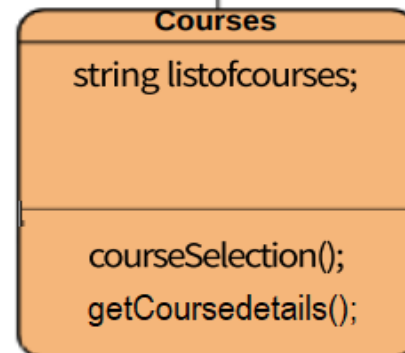
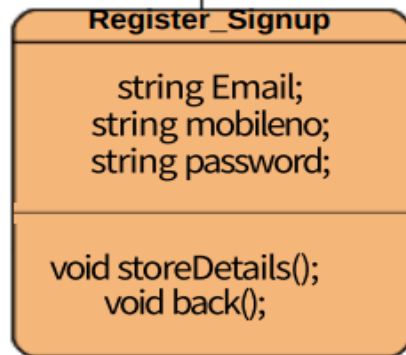
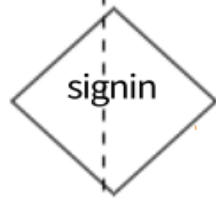
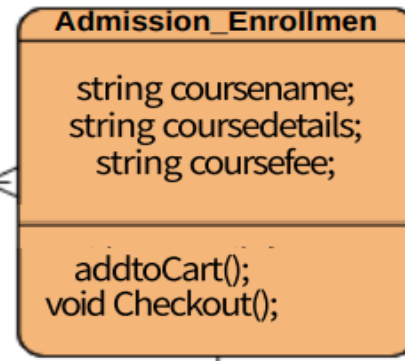
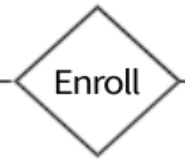
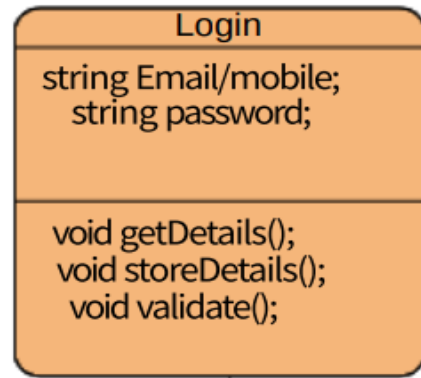
# Tools Used Contd..





# Outputs: ER Diagram





PC File Edit View Navigate Code Refactor Run Tools VCS Window Help FinalPython - enroll...py

FinalPython > enrollment.py

Project

- FinalPython E:\TCMAIN\PF
- venv library root
- cartdetails.txt
- courses.py
- enrollment.py
- feepayment.py
- login.py
- main.py
- register.py
- storedetails.txt
- Terms.txt
- External Libraries
- Scratches and Consoles

Structure

Run: feepayment x main x login x

Version Control Find Python Packages TODO Python Console Problems Terminal Run Services

Activate Windows  
Go to Settings to activate Windows.

4:24 CRLF UTF-8 4 spaces Python 3.10 (FinalPython)

Type here to search

Rain... 19:45 13-10-2022

```
1 from courses import *
2 from feepayment import *
3 class Enrollment(Courses, FeePayment):
4     def __init__(self):
5         print("Welcome to Enrollment Page".center(50, "*"))
6         self.cartdetailsstore=None
7
8     def viewCourses(self):
9         course = Courses()
10        course.courseDetails(False)
11        course.getallCourses()
12
13    def enrollment(self):
14        print("Choose Courses to enroll".center(30, "*"))
15        course = Courses()
16        course.courseDetails(True)
17        print("Successfully added to cart...")
18        self.cartdetailsstore=course.cartdetails
19
20    def viewcart(self):
21        if self.cartdetailsstore!=None:
22            for i in self.cartdetailsstore:
23                print(i+": "+self.cartdetailsstore[i])
```

Enrollment > \_\_init\_\_()

PC File Edit View Navigate Code Refactor Run Tools VCS Window Help FinalPython - course

FinalPython > courses.py

Project FinalPython E:\TCMAIN\PC\venv library root

- cartdetails.txt
- courses.py
- enrollment.py
- feepayment.py
- login.py
- main.py
- register.py
- storedetails.txt
- Terms.txt

External Libraries

Scratches and Consoles

Structure

```
1 class CustomException(Exception):
2     def __init__(self):
3         print("Search Not Found Exception")
4
5 class Courses:
6     def __init__(self):
7         print("Welcome to Course Details".center(45, "#"))
8
9         self.courseCategory=None
10        self.listofcourseCategory=None
11        self.dictofcourse=None
12        self.dictcoursedet=None
13        self.cartdetails=None
14        self.coursecheck=None
15
16    def courseDetails(self,cinp=False):
17        self.courseCategory=["Web Development","Business","IT&Software","Design"]
18        self.listofcourseCategory=[["Java Script","React JS"],["Business Fundamentals","Communication"],["Python","C","Java"]
19        self.dictofcourse=dict(zip(self.courseCategory,self.listofcourseCategory))
20        self.dictcoursedet={"Java Script":{"Course Name":"learn Java Script for Beginners","School":"Dollar Design","Rating":4.5},
21                             "React JS":{"Course Name":"React JS for Beginners","School":"john purcel","Rating":4.5},
22                             "Business Fundamentals":{"Course Name":"Bussiness Fundamentals for Beginners","School":"Mark Purcel"},
23                             "Communication":{"Course Name":"Business Communication for Beginners","School":"Mark Purcel"},
24                             "Python":{"Course Name":"Python from Scratch","School":"John Purcel"}}
```

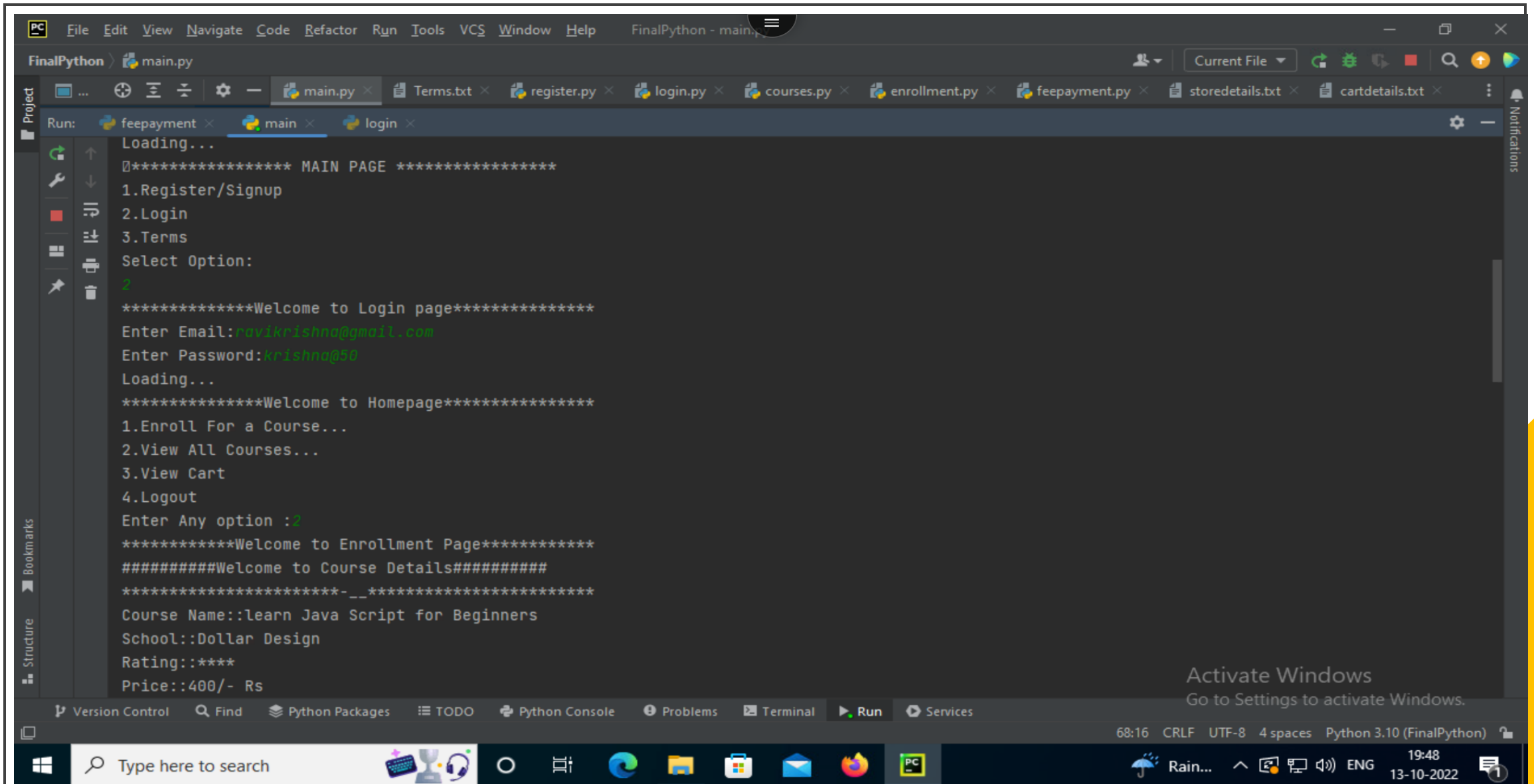
Courses > courseDetails() > if cinp==True > fun() > if search in (self.courseCatego... > for i in self.listofcourseCateg... > for j in i > if searchcourse in j

Run: feepayment x main x login x

Version Control Find Python Packages TODO Python Console Problems Terminal Run Services

50:60 CRLF UTF-8 4 spaces Python 3.10 (FinalPython)

Windows taskbar: Type here to search, Rain..., 19:46 13-10-2022





PC File Edit View Navigate Code Refactor Run Tools VCS Window Help FinalPython - main.py

FinalPython > main.py

Run: feepayment x main x login x

...Redirecting to payment Page...

\*\*\*\*\*PAYMENT PAGE\*\*\*\*\*

-----

Choose Payment Method

1.Upi

2.Debit card / Credit Card

Choose One from Above payment Method:1

Enter UPI ID, UPI Pin to proceed..

Enter UPI ID:94859@upi

UPI PIN:46574657

Payment Successfully Done...

Rupees 600/- got debited from your Bank account for "React JS for Beginners"Course..

Payment ID:NEDHPEYCUR

Payment Cost:600/- Rs

Payment Date:14-10-2022

Thank you.... Enroll for more

Loading Back to Mainpage.....

\*\*\*\*\*Welcome to Homepage\*\*\*\*\*

1.Enroll For a Course...

2.View All Courses...

3.View Cart

4.Logout

Enter Any option :

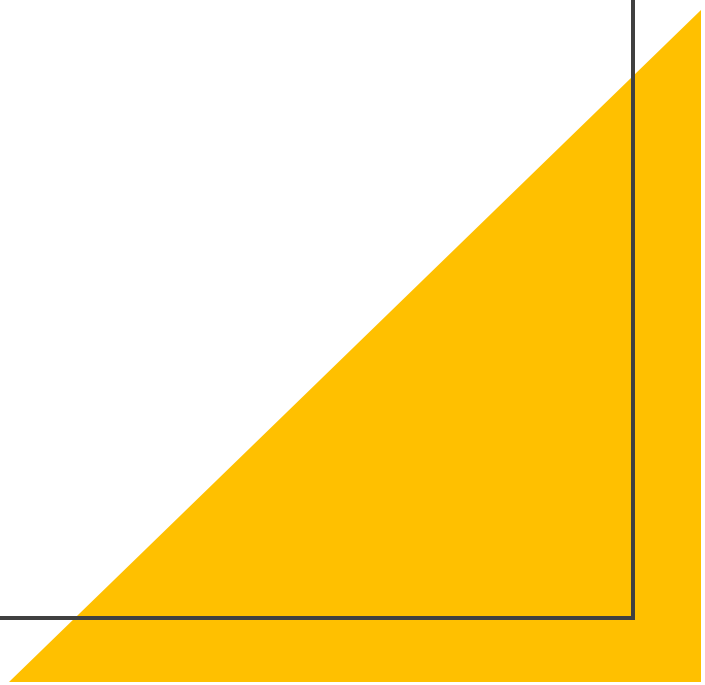
Activate Windows  
Go to Settings to activate Windows.

171:19 CRLF UTF-8 4 spaces Python 3.10 (FinalPython)

Type here to search

23°C 19:49 13-10-2022

**THANK YOU**



# QUESTIONS?

