MAULANA AZAD NATIONAL URDU UNIVERSITY

Student Registration

Team member

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Internal guide

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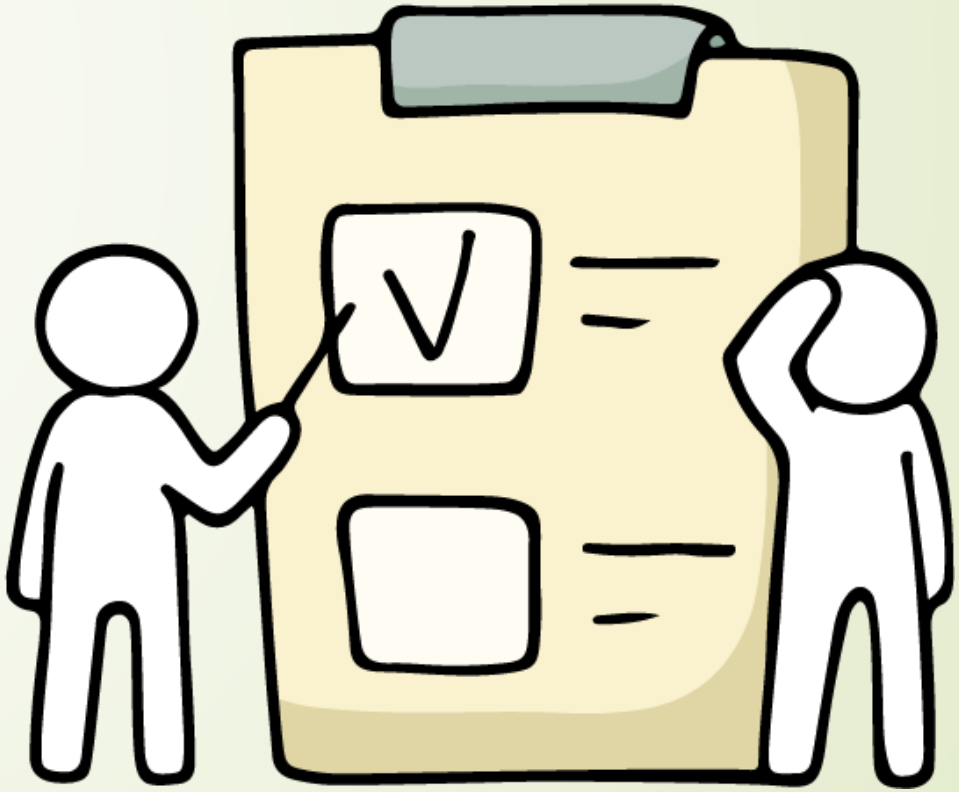
Outline

- Introduction
- Requirement
- Designing
- Implementation
- Testing



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Introduction

- Student Registration is a type of digital form. By using this project we can store student data for Registration purpose
- This project is fully developed with frontend and backend also
- This project provide high security over the student data
- Only admin can change, update, or delete any student
- This project take the data from student and save it into the sqlite data base
- When you see the data on this project then it will fetch the data from database and show on the see.html page

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Requirement

- Html
- CSS
- Bootstrap
- Java script
- Python
- Django

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Designing

- Designing is most essential part of the SDLC through which we can describe all the project module
- Design part of SDLC also help the implementation software project
- In this project there is two types of designing are used
  1). ER DIAGRAM
  2). CONTROAL FLOW DIAGRAM
- This project is divided into 2 module
  1). Registration
  2).see Registered Student

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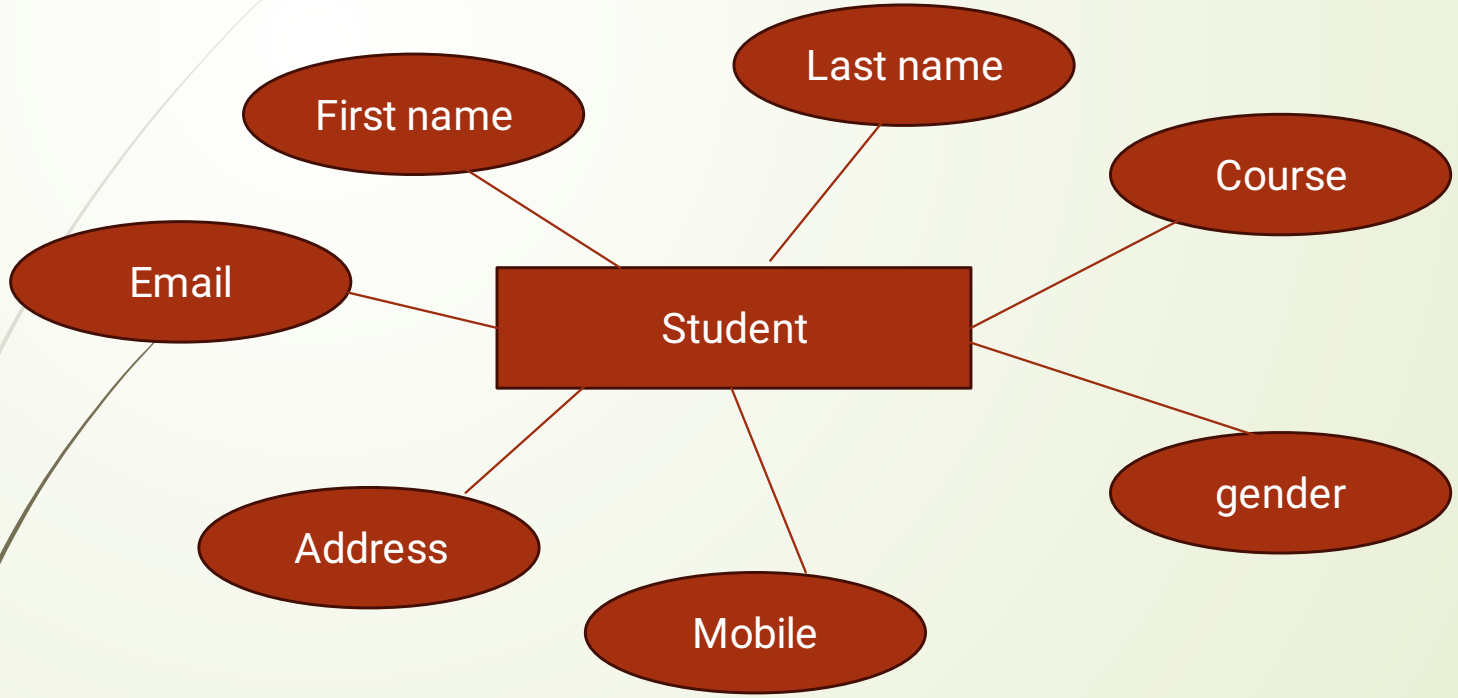
Er diagram of student



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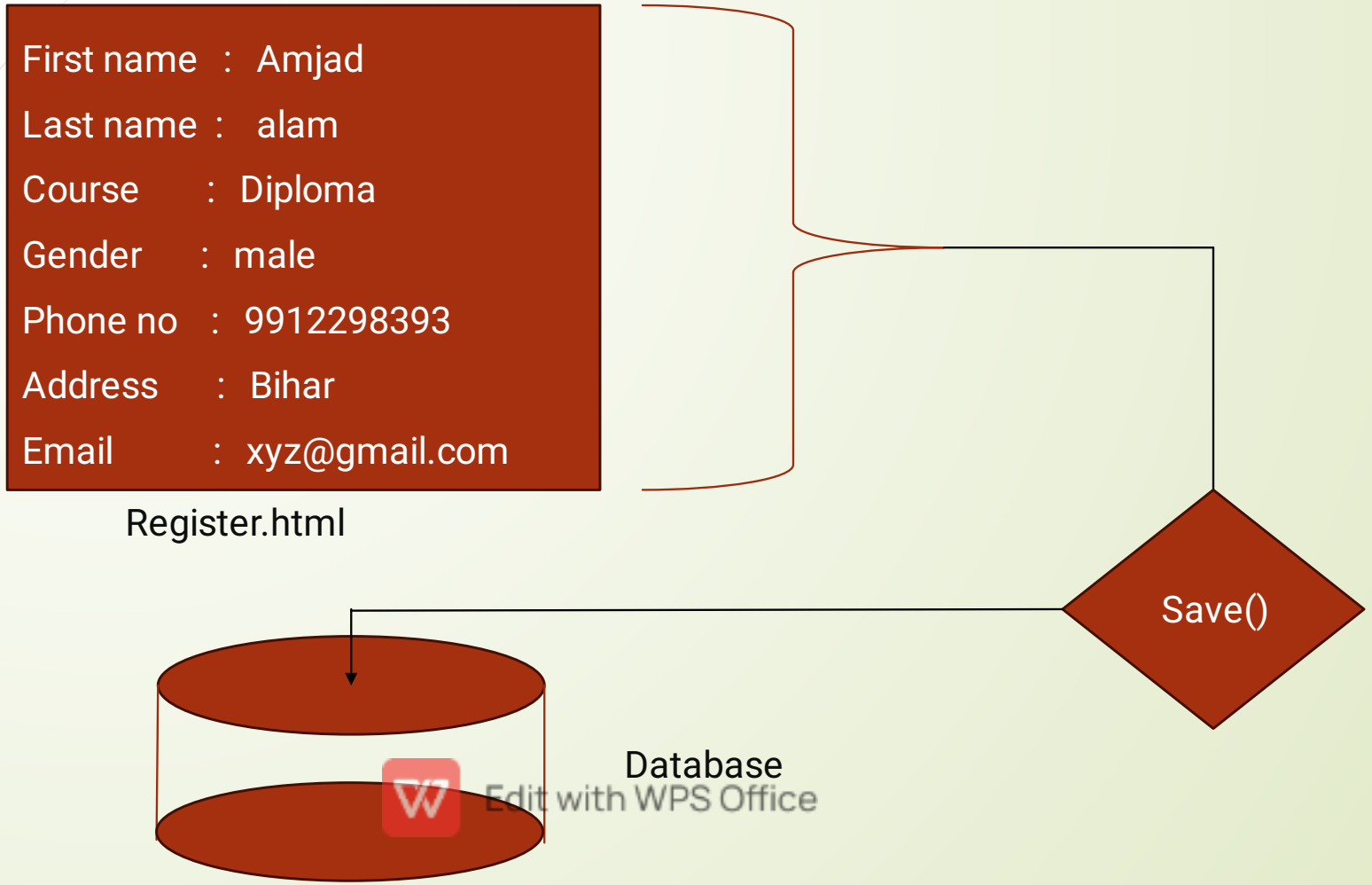
Data Flow Diagram



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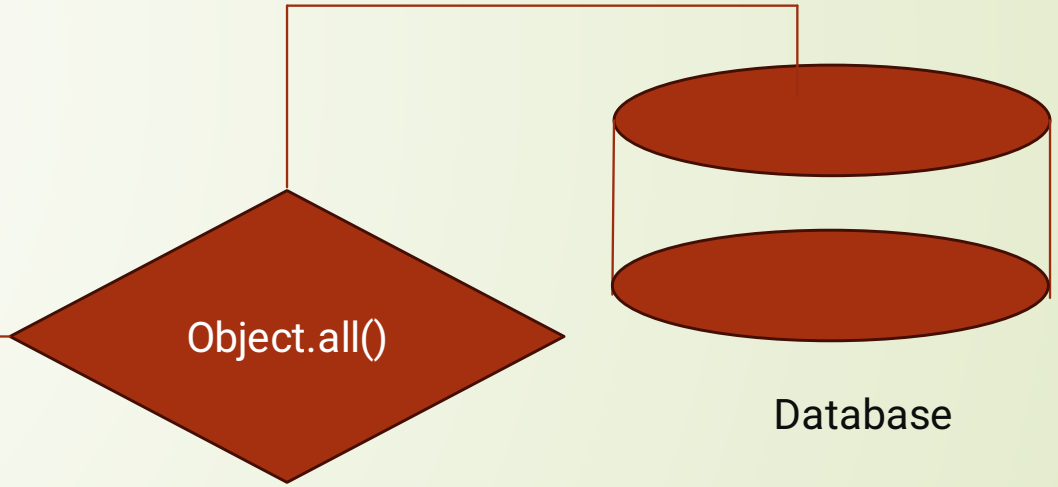
Displaying data



Id	First name	Last name	Course	Gender	Address	email
1	Amjad	Alam	Diploma	Male	Bihar	xyz@gmail.com

See.html

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Implementation

- Implementation is most essential part of SDLC. This also called as heart of SDLC
- In this phase every software is builds by the developer with required programming language
- This software is builds in this phase by using html, css, python Django framework
- This software is builds in MVT(Model View Template) Architecture
- Model means database table file
- Views means all type of function is written in this file
- Templates means all type of html is written here

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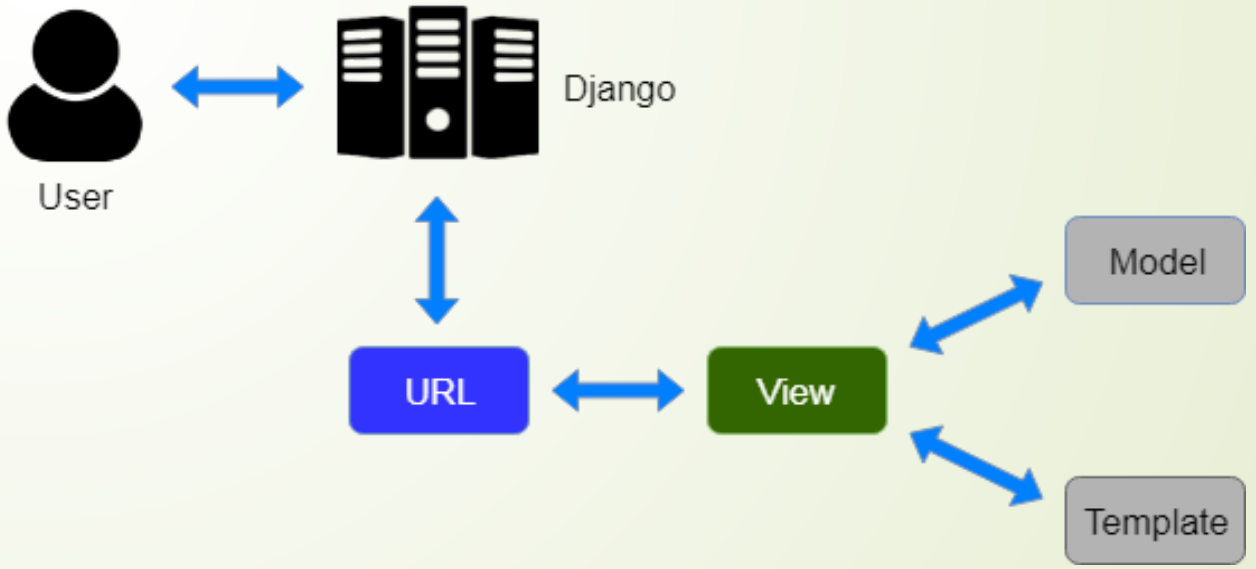
Model View Template Architecture



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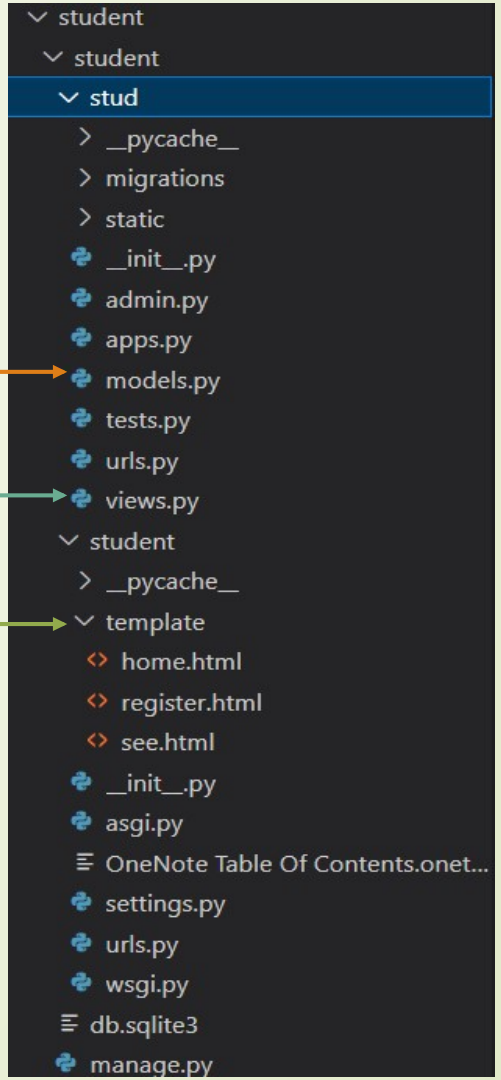
Django project creation

- Django-admin startproject projectname
- Python manage.py runserver

Model

Views

Template



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Views.py

```
from django.shortcuts import render
from .models import Students
from django.contrib import messages
from django.http import HttpResponseRedirect
# Create your views here.
def home(request):
    return render(request,"home.html")


def register(request):
    if request.method=="POST":
        first= request.POST.get('fname')
        last=request.POST.get('lname')
        course=request.POST.get('crs')
        gender=request.POST.get('gndr')
        phone=request.POST.get('phn')
        address=request.POST.get('txt')
        email=request.POST.get('email')
        if Students.objects.filter(email=email).exists():
            messages.info(request,"This email is already exist. please try with another email")
        else:
            reg=Students(first_name=first,last_name=last,course=course,gender=gender,contact=phone,address=address,email=email)
            reg.save()
            return render(request,"home.html")
    else:
        return render(request,"register.html")
    return render(request,"register.html")

def see(request):
    stud=Students.objects.all()
    return render(request,"see.html",{'Stud':stud})
```

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Models.py

```
from django.db import models

# Create your models here.

class Students(models.Model):
    first_name = models.CharField(max_length=250,null=True)
    last_name = models.CharField(max_length=250)
    course = models.CharField(max_length=250, blank= True, null = True)
    gender = models.CharField(max_length=20, choices=(('Male','Male'), ('Female','Female'), ('other','other')), default
= 'Male')
    contact = models.CharField(max_length=250)
    address = models.CharField(max_length=250)
    email = models.CharField(max_length=250)
    def __str__(self):
        return self.first_name
```

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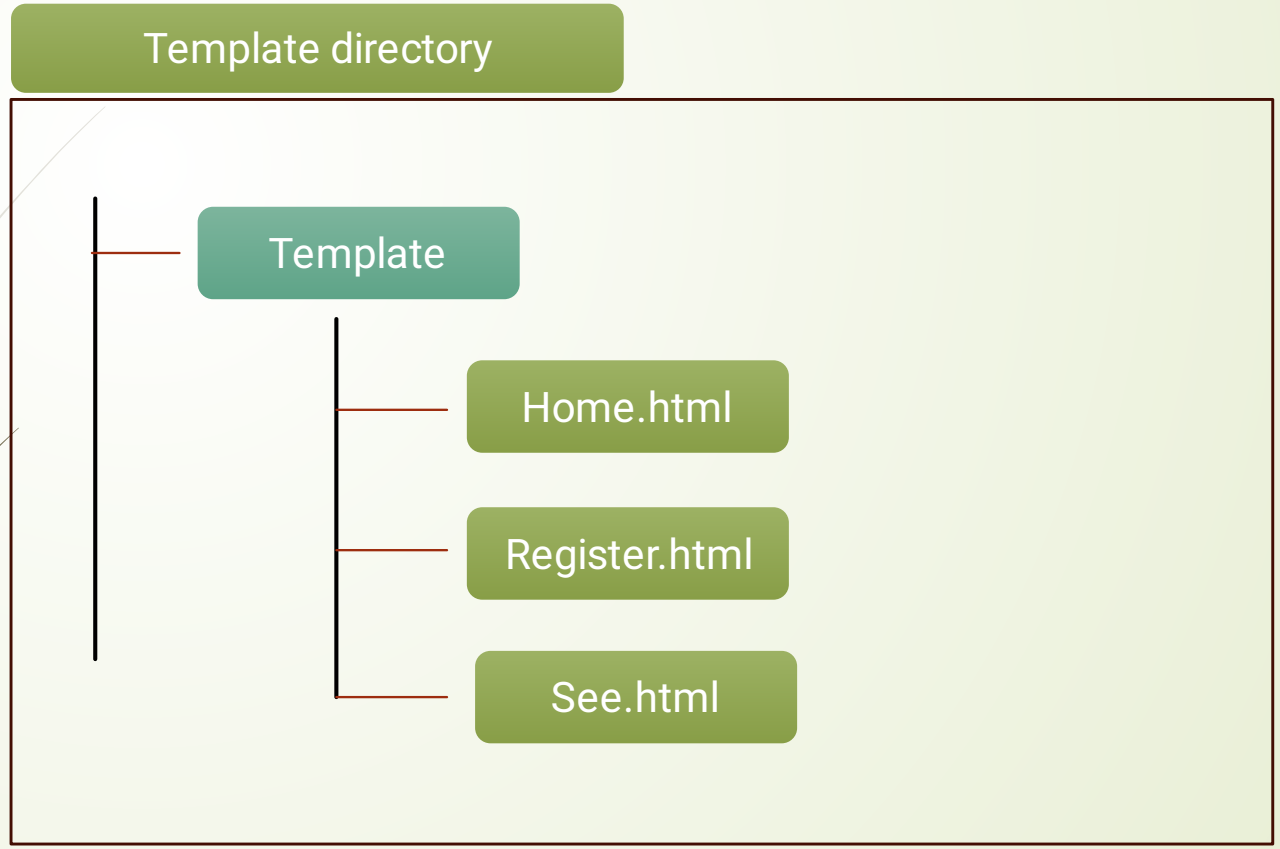

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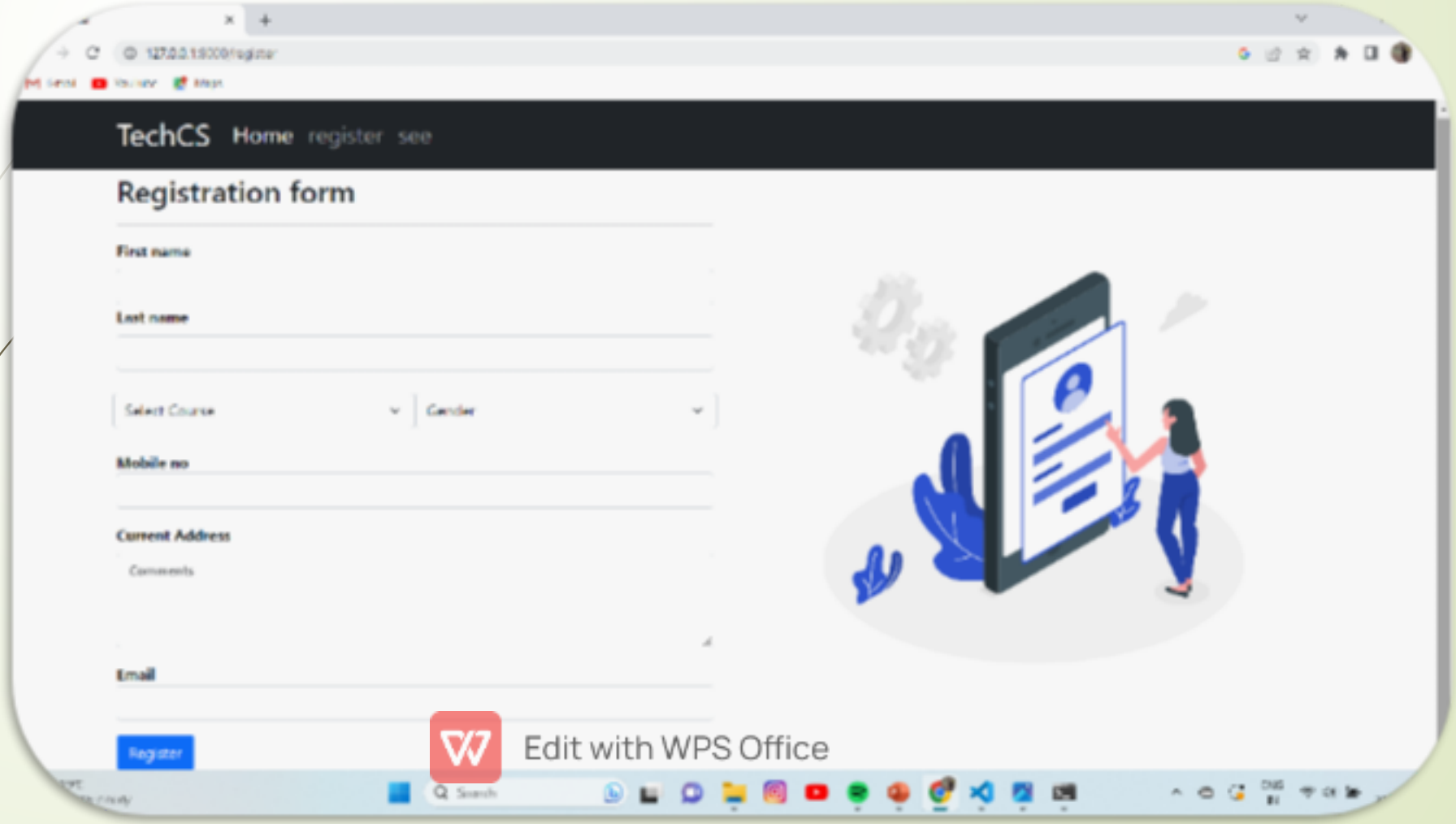
Output


TechCS
Home
register
see
Registration form
First name
Last name
Select Course
Gender
Mobile no
Current Address
Comments
Email
Register
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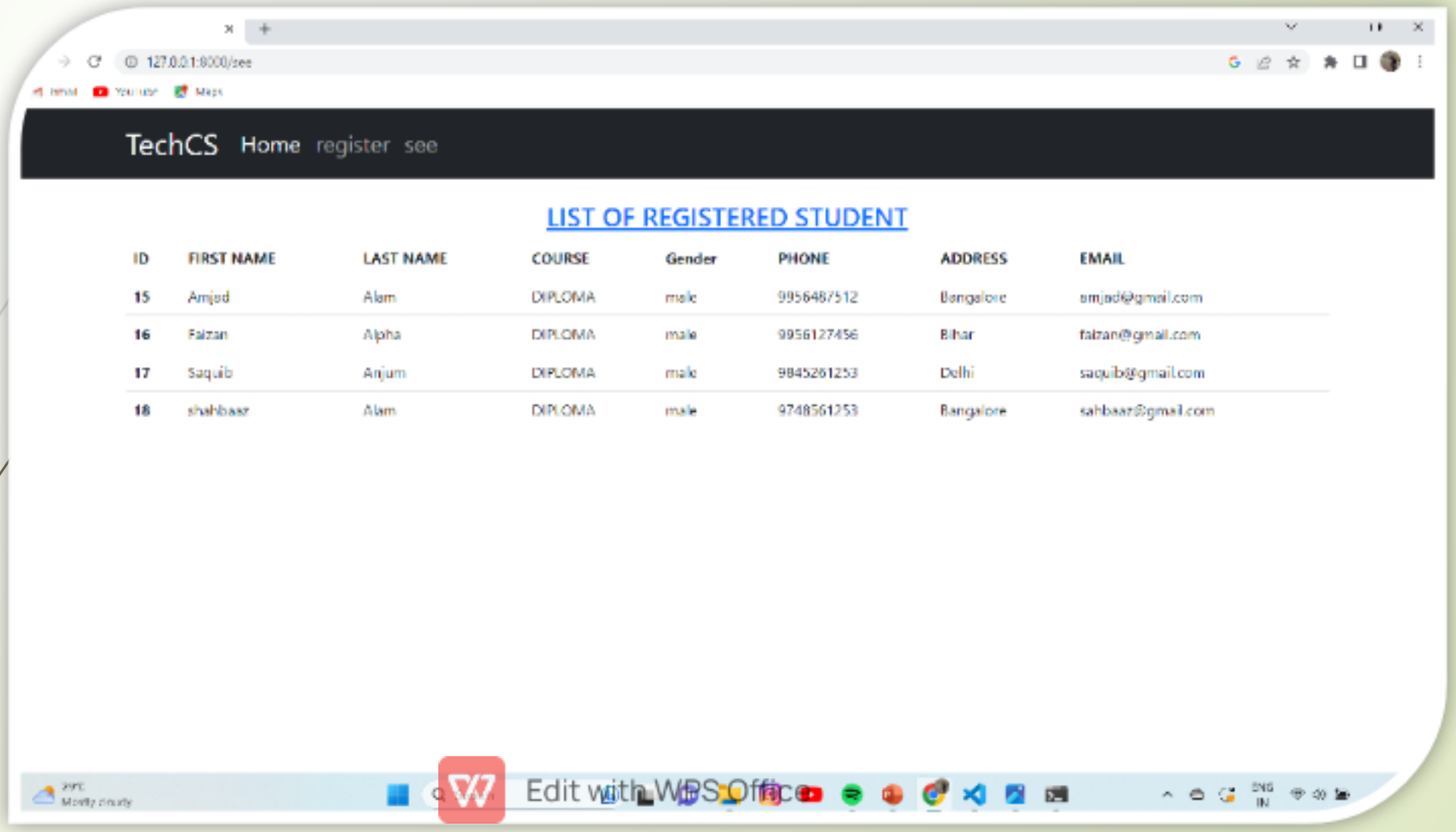
127.0.0.1:8000/see
TechCS Home register see
LIST OF REGISTERED STUDENT
ID FIRST NAME LAST NAME COURSE Gender PHONE ADDRESS EMAIL
15 Amjad Alam DIPLOMA male 9956487512 Bengalore amjad@gmail.com
16 Faizan Alpha DIPLOMA male 9956127456 Bihar faizan@gmail.com
17 Saquib Anjum DIPLOMA male 9845261253 Delhi saquib@gmail.com
18 shahbaaz Alam DIPLOMA male 9748561253 Bengalore sahbaaz@gmail.com
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Testing

- Testing is a part of SDLC (software Development Life Cycle)
- In this phase software is going to tested to remove bugs or error
- Software testing can be defined as the process of verifying and validating software where software and application is bug free and meet the requirement
- The process of software testing aims not only at finding faults in the existing software
- It can also improve the efficiency ,accuracy and usability
- It mainly aims at measuring the specification, functionality, and performance of a software program or application.

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Test case

- A test case refers to the actions required to verify a specific feature or functionality in software testing.
- It written document through which we can perform testing to meet customer requirement
- Three types of testing have been done in this project

  1).Unit Testing

  2).Integration Testing

  3). System testing

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First test-case

Project name : Student Registration
Module name : register
Created by : Amjad
Creation Date : 24/6/2023

Test case id	TC name	Discription	Steps	Actual input	Expected output	Result	remark
01	Register	Enter valid data	Enter data and press submit button	Amajad Alam Diplam Male Bihar 7635487595	Amajad Alam Diplam Male Bihar 763548759 5	Pass	No remark

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Second test case

Project name : Student Registration
Module name : see
Created by : saquib
Creation Date : 24/6/2023

Test case id	TC name	Discription	Steps	Actual input	Expected output	Result	remark
02	seen	Press see Button	Press see button	Button pressed	List of registered Student is showing	Pass	No remark

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Thank You

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