Software Design & Architecture

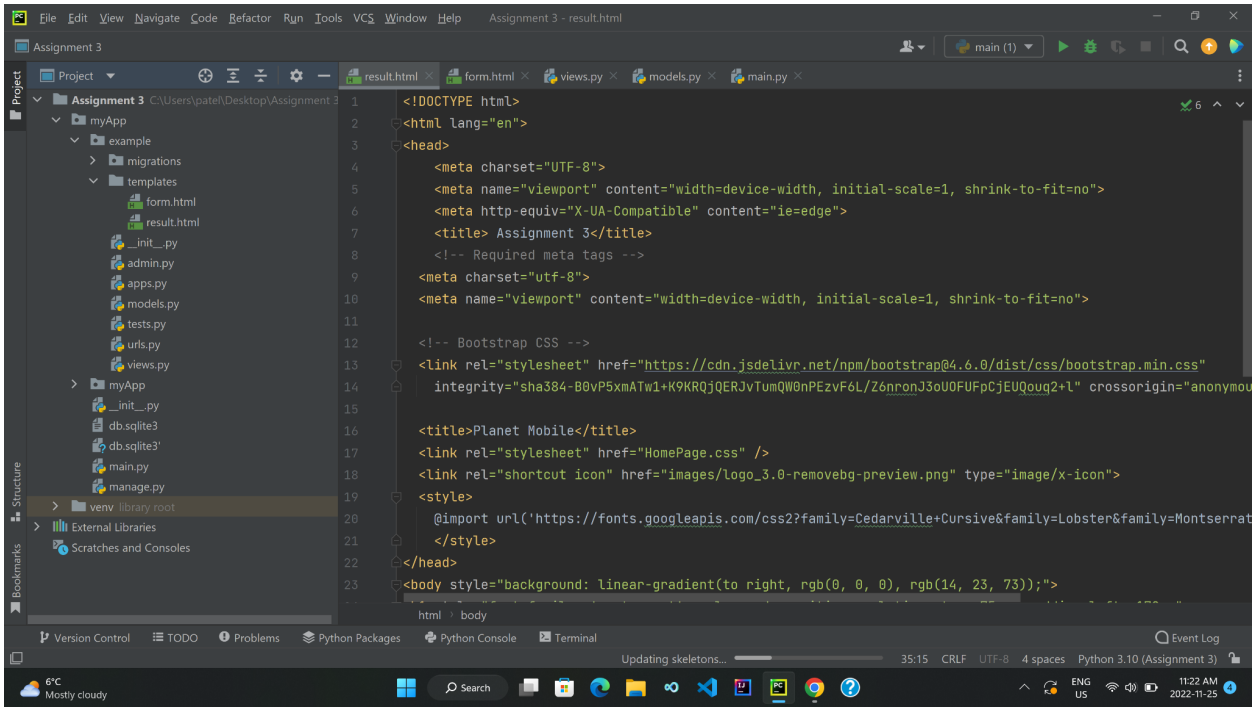
Assignment - 3

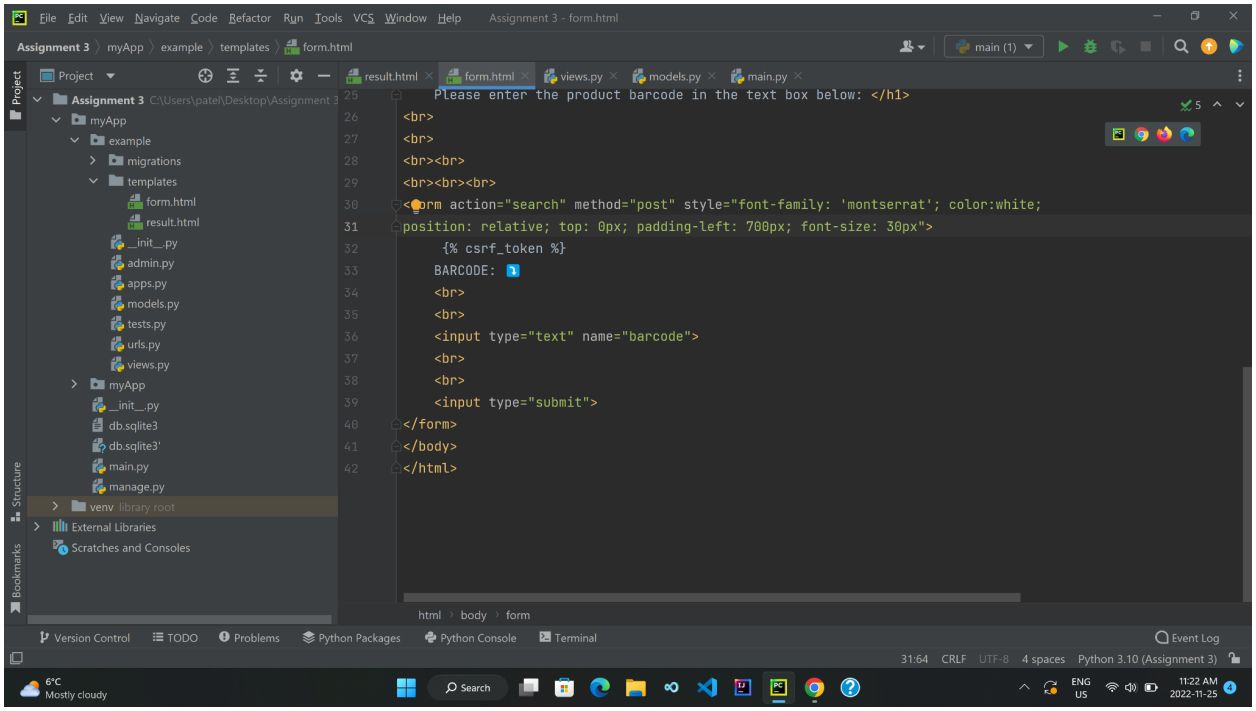
CRN - 43963

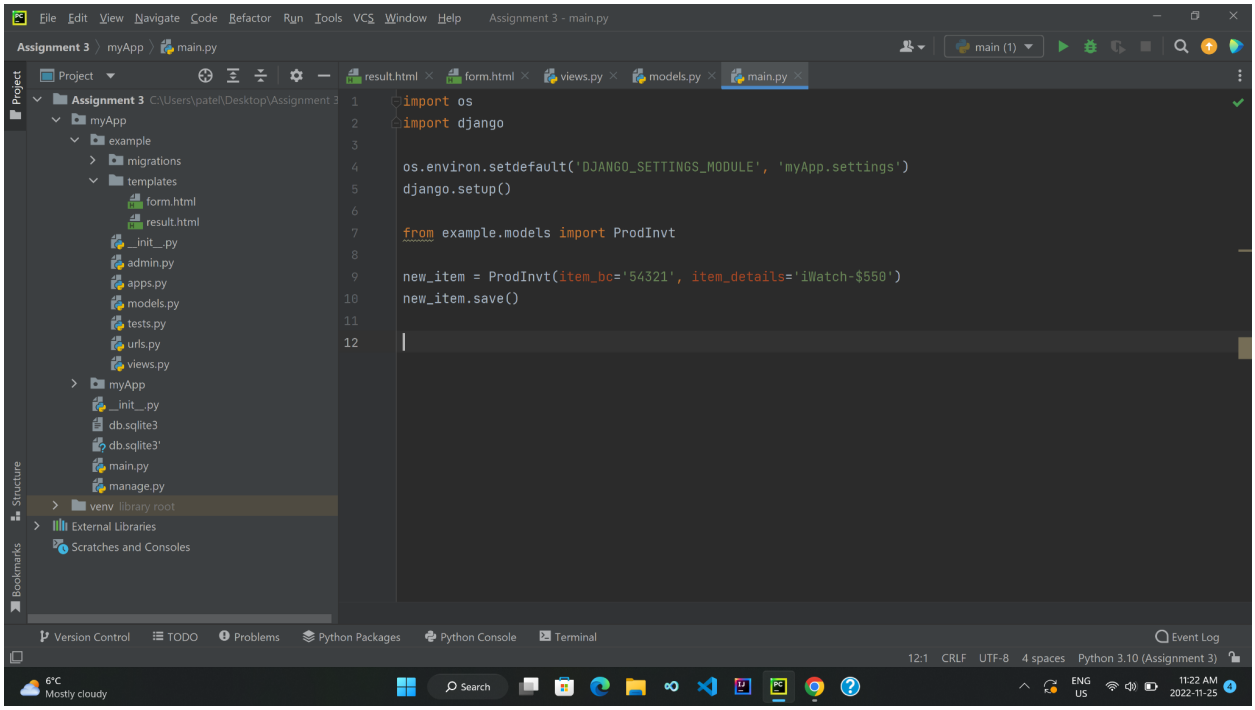
Group 30

Aqsa Asif
Meet Patel
Shahab Zafar

1. Screenshots for the code:






File Edit View Navigate Code Refactor Run Tools VCS Window Help
Assignment 3 - main.py
Assignment 3 › myApp › main.py
main (1)
Project
result.html
form.html
views.py
models.py
main.py
Assignment 3 C:\Users\patel\Desktop\Assignment 3
myApp
example
migrations
templates
form.html
result.html
__init__.py
admin.py
apps.py
models.py
tests.py
urls.py
views.py
myApp
__init__.py
db.sqlite3
db.sqlite3'
main.py
manage.py
venv library root
External Libraries
Scratches and Consoles
import os
import django
os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'myApp.settings')
django.setup()
from example.models import ProdInvt
new_item = ProdInvt(item_bc='54321', item_details='iWatch-$550')
new_item.save()
Version Control
TODO
Problems
Python Packages
Python Console
Terminal
Event Log
12:1 CRLF UTF-8 4 spaces Python 3.10 (Assignment 3)
6°C
Mostly cloudy
Search
ENG
US
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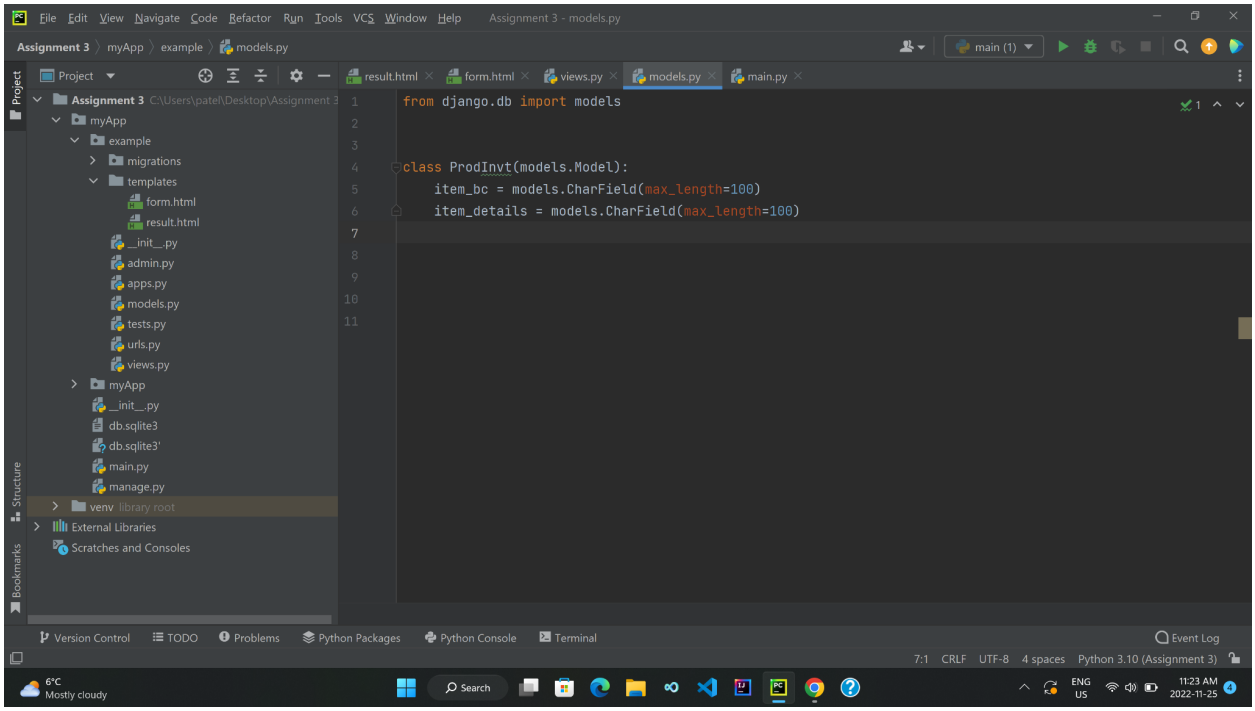
2022-11-25


File Edit View Navigate Code Refactor Run Tools VCS Window Help
Assignment 3 - models.py
Assignment 3 › myApp › example › models.py
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db.sqlite3'
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manage.py
venv library root
External Libraries
Scratches and Consoles
from django.db import models
class ProdInvt(models.Model):
item_bc = models.CharField(max_length=100)
item_details = models.CharField(max_length=100)
Version Control
TODO
Problems
Python Packages
Python Console
Terminal
Event Log
7:1 CRLF UTF-8 4 spaces Python 3.10 (Assignment 3)
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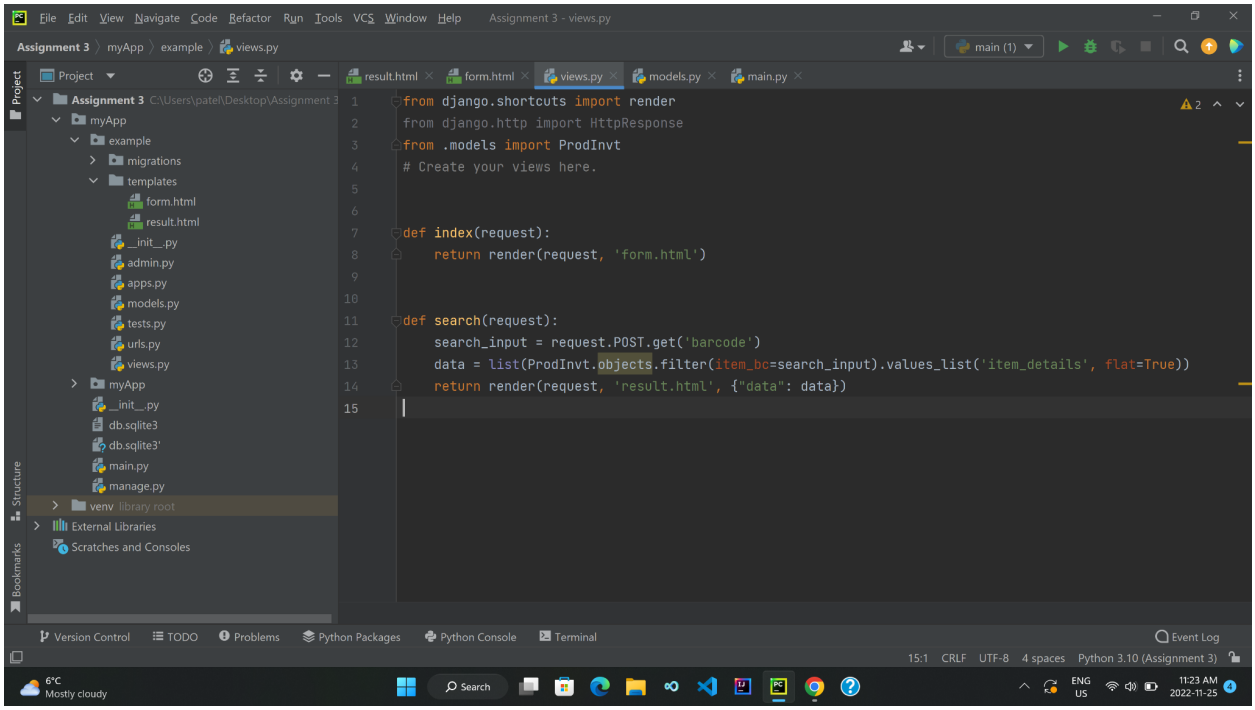
File Edit View Navigate Code Refactor Run Tools VCS Window Help
Assignment 3 - views.py
Assignment 3 myApp example views.py
main (1)
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models.py
main.py
Assignment 3 C:\Users\patel\Desktop\Assignment 3
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External Libraries
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from django.shortcuts import render
from django.http import HttpResponse
from .models import ProdInvt
# Create your views here.
def index(request):
return render(request, 'form.html')
def search(request):
search_input = request.POST.get('barcode')
data = list(ProdInvt.objects.filter(item_bc=search_input).values_list('item_details', flat=True))
return render(request, 'result.html', {"data": data})
Version Control
TODO
Problems
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15:1 CRLF UTF-8 4 spaces Python 3.10 (Assignment 3)
6°C
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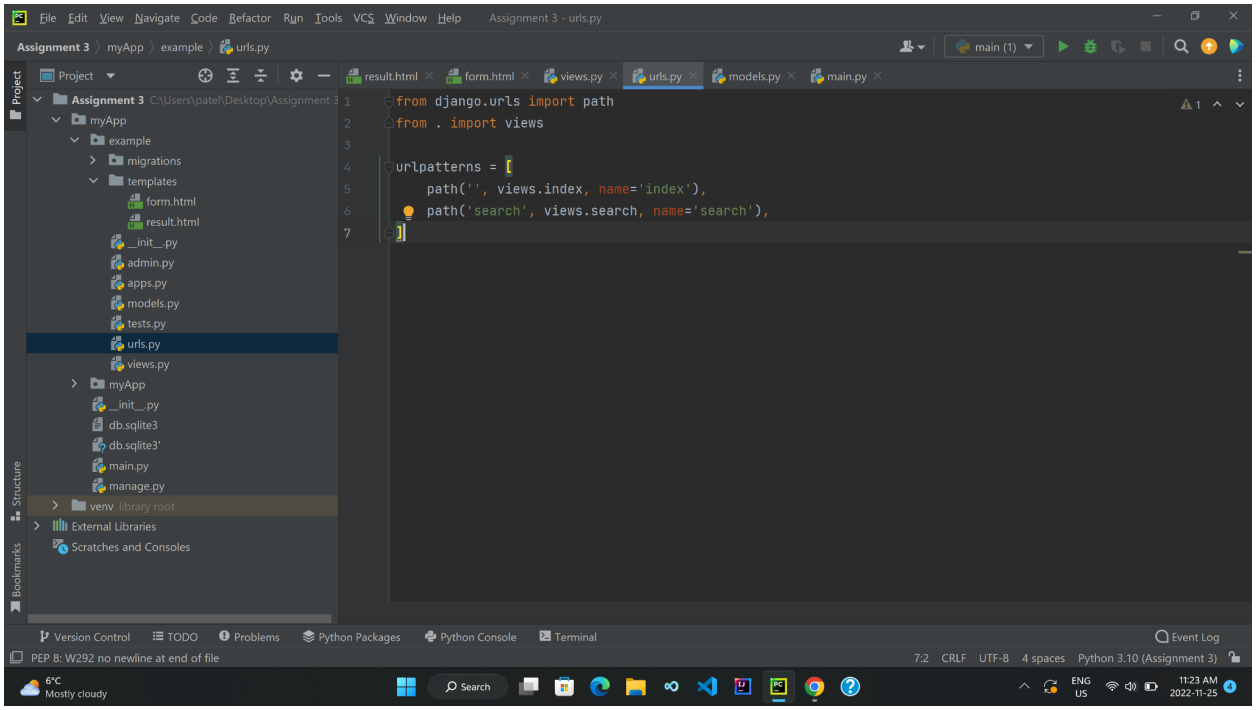
File Edit View Navigate Code Refactor Run Tools VCS Window Help
Assignment 3 - urls.py
Assignment 3 › myApp › example › urls.py
main (1)
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db.sqlite3'
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manage.py
venv library root
External Libraries
Scratches and Consoles
from django.urls import path
from . import views
urlpatterns = [
path('', views.index, name='index'),
path('search', views.search, name='search'),
]
Version Control
TODO
Problems
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Python Console
Terminal
Event Log
PEP 8: W292 no newline at end of file
7:2 CRLF UTF-8 4 spaces Python 3.10 (Assignment 3)
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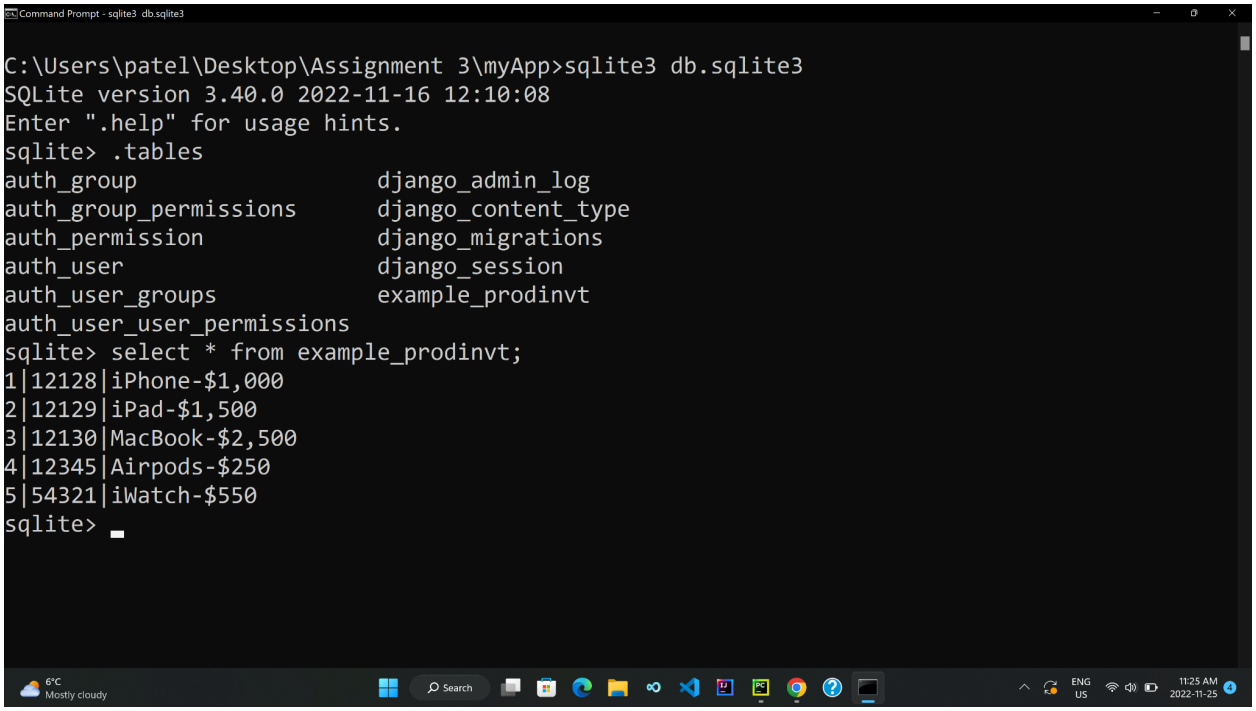
Command Prompt - sqlite3 db.sqlite3
C:\Users\patel\Desktop\Assignment 3\myApp>sqlite3 db.sqlite3
SQLite version 3.40.0 2022-11-16 12:10:08
Enter ".help" for usage hints.
sqlite> .tables
auth_group django_admin_log
auth_group_permissions django_content_type
auth_permission django_migrations
auth_user django_session
auth_user_groups example_prodinvt
auth_user_user_permissions
sqlite> select * from example_prodinvt;
1|12128|iPhone-$1,000
2|12129|iPad-$1,500
3|12130|MacBook-$2,500
4|12345|Airpods-$250
5|54321|iWatch-$550
sqlite>
6°C
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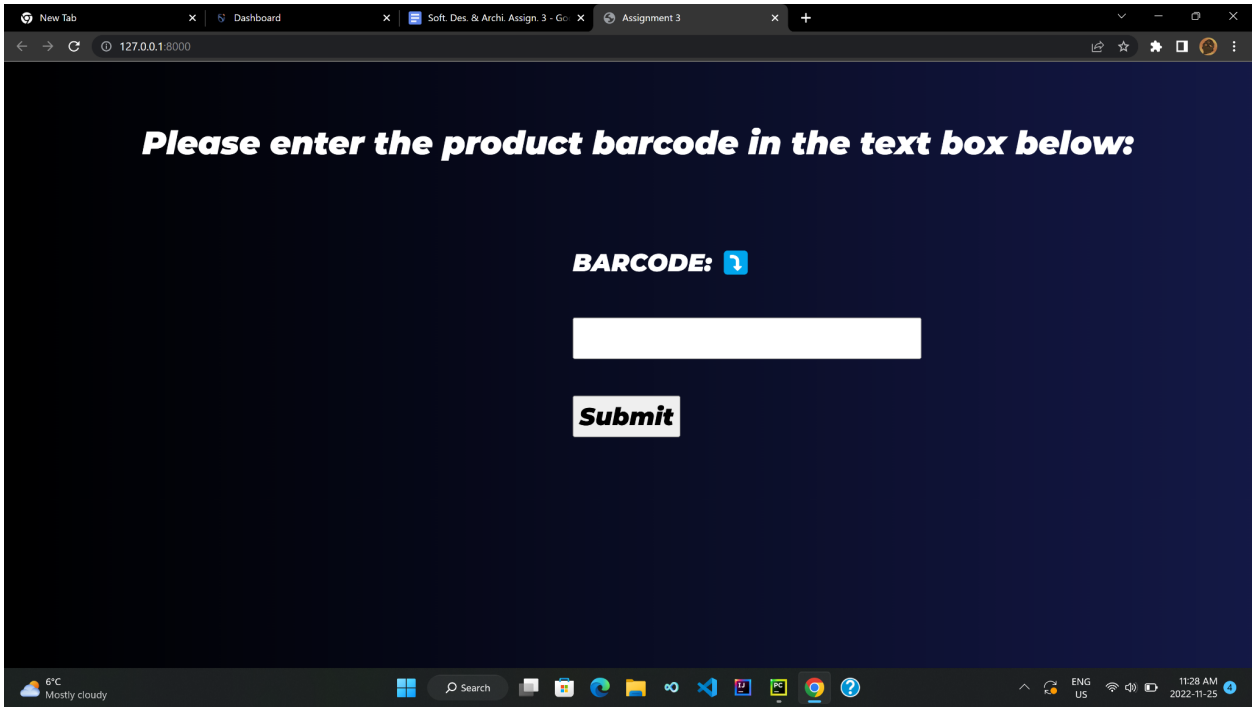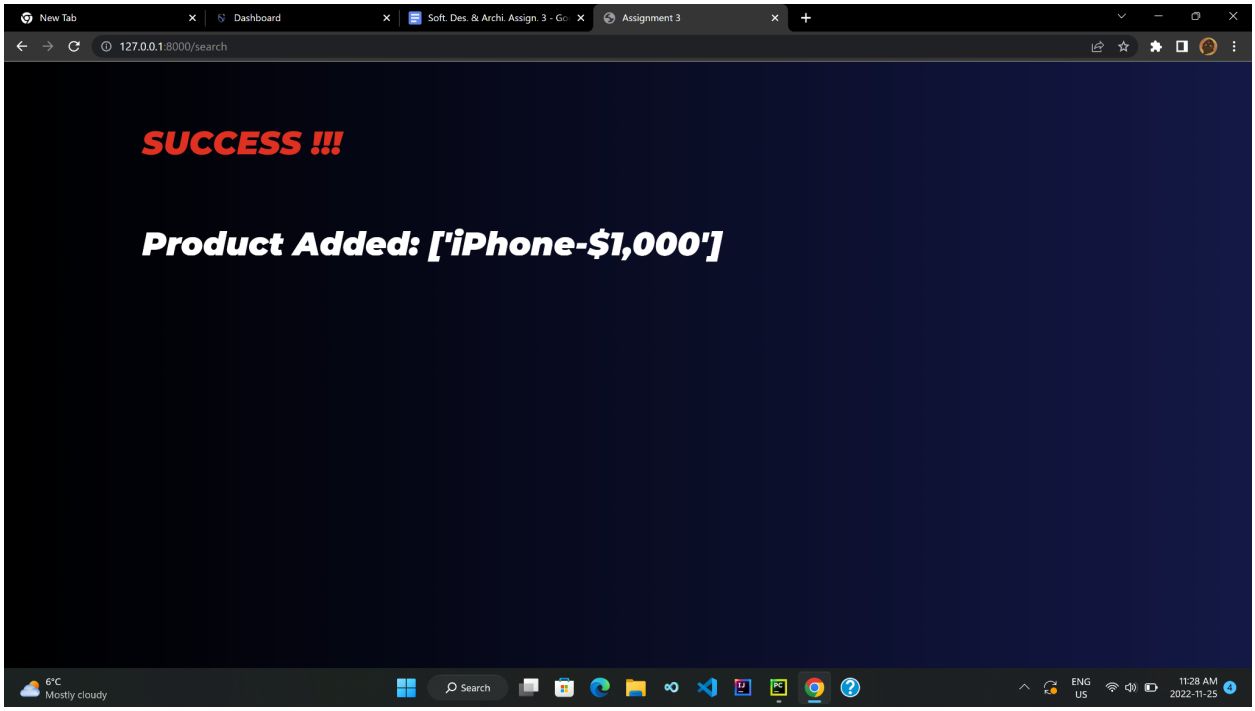
2. Screenshots for the Output: