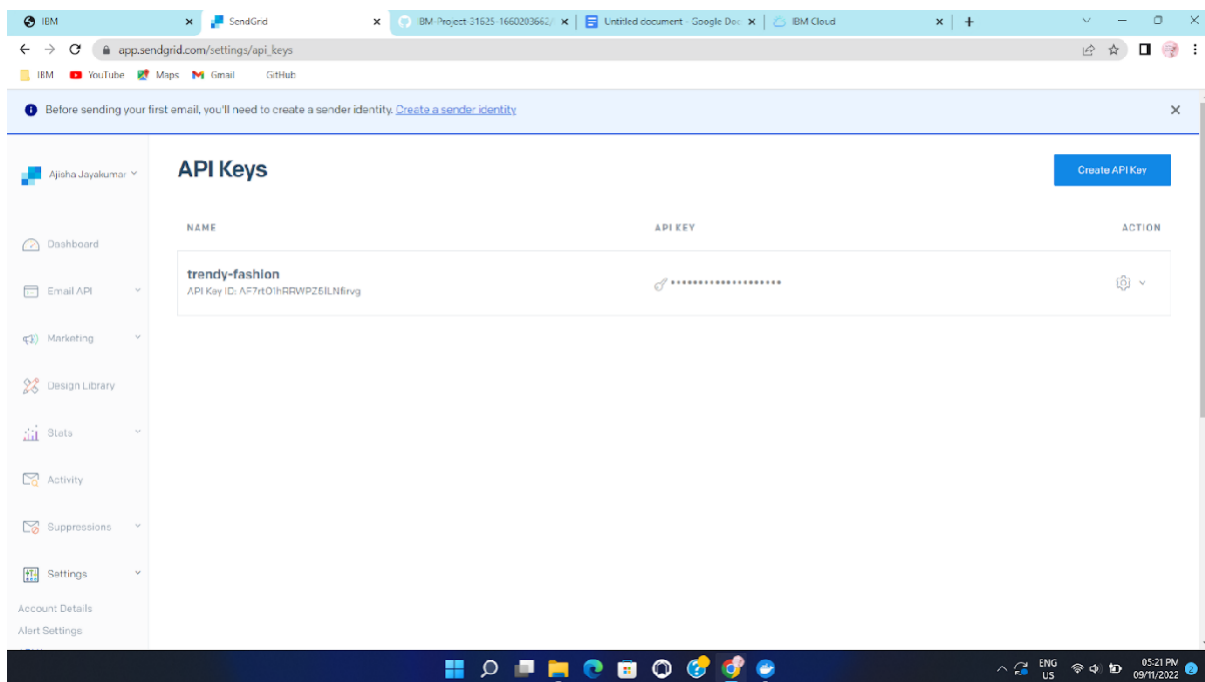
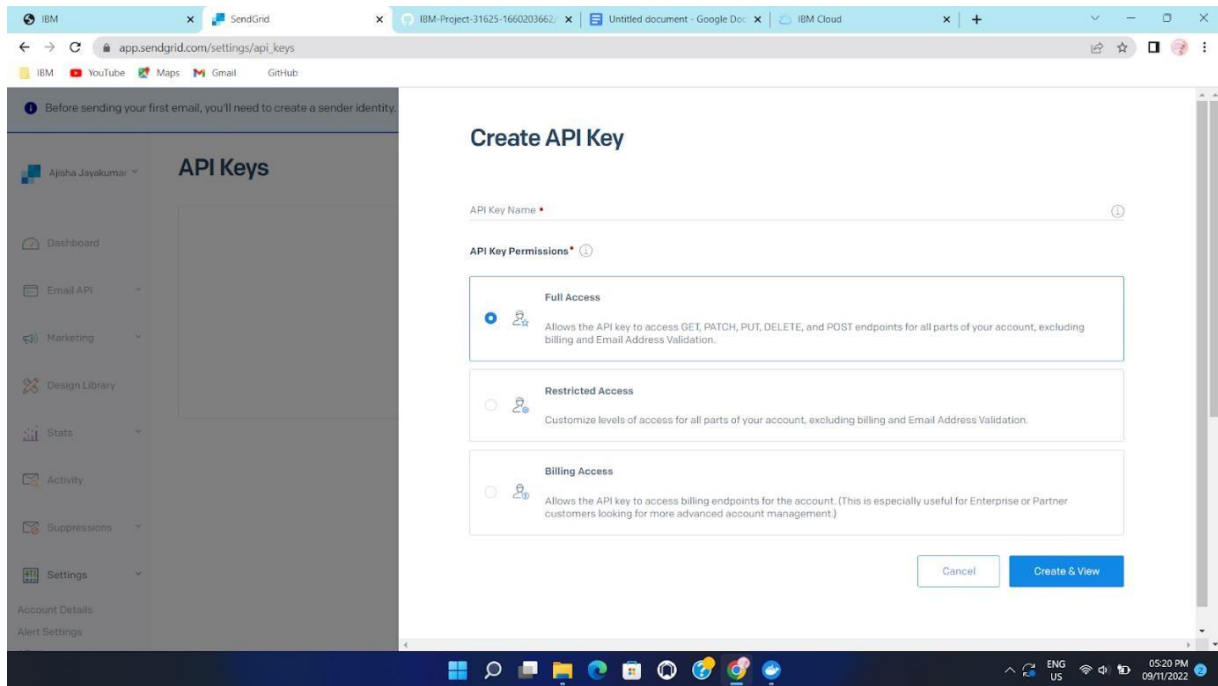


# PROJECT DEVELOPMENT PHASE

## SPRINT 4

TEAM ID	PNT2022TMID19945
PROJECT NAME	Smart Fashion Recommender Application

### 1. Sendgrid integration with python



```
Administrator: Windows PowerShell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Windows\system32> pip install sendgrid
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
    -----101.1/101.1 kB 447.4 kB/s eta 0:00:00
Collecting python-http-client<3.2.1
  Downloading python_http_client-1.1.1-py3-none-any.whl (8.4 kB)
Collecting starkbank-ecdsa==2.2.0
  Downloading starkbank-ecdsa-2.2.0.tar.gz (14 kB)
  Preparing metadata (setup.py) ... done
Installing collected packages: starkbank-ecdsa, python-http-client, sendgrid
  DEPRECATION: starkbank-ecdsa is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is not installed. pip 22.1 will enforce this beha
  viour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
  Running setup.py install for starkbank-ecdsa ... done
Successfully installed python-http-client-3.3.7 sendgrid-6.9.7 starkbank-ecdsa-2.2.0

[notice] A new release of pip available: 22.1 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
PS C:\Windows\system32>
```

app.sendgrid.com/settings/sender\_auth/senders/new

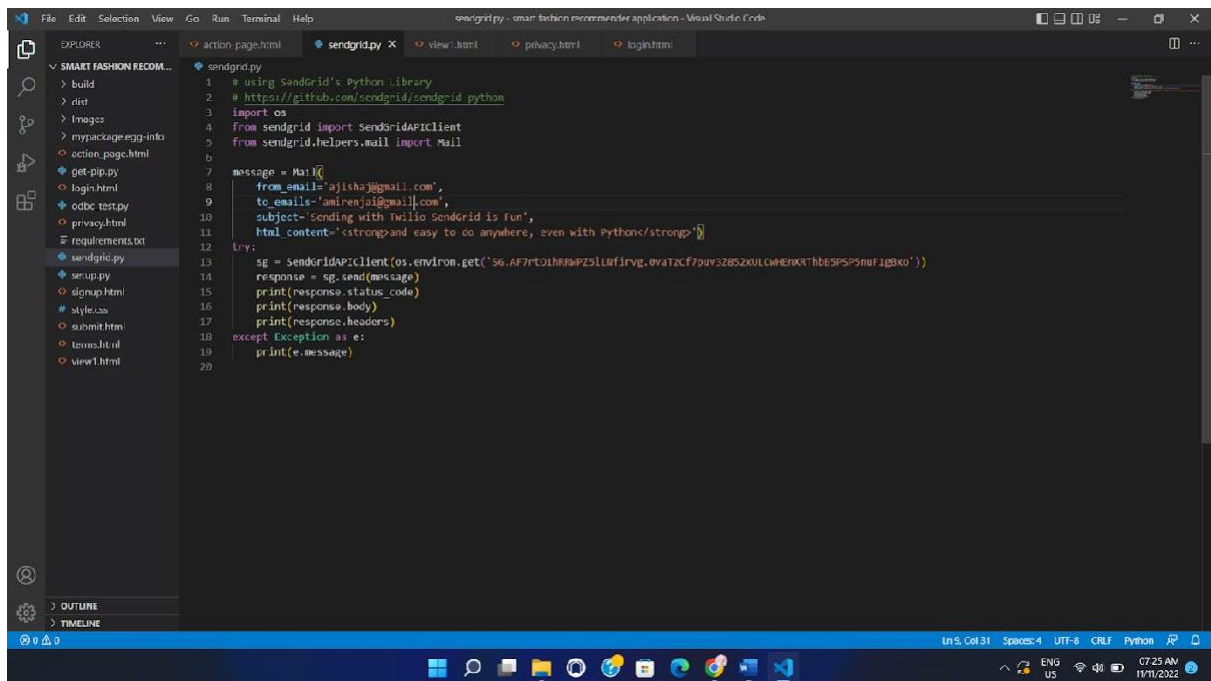
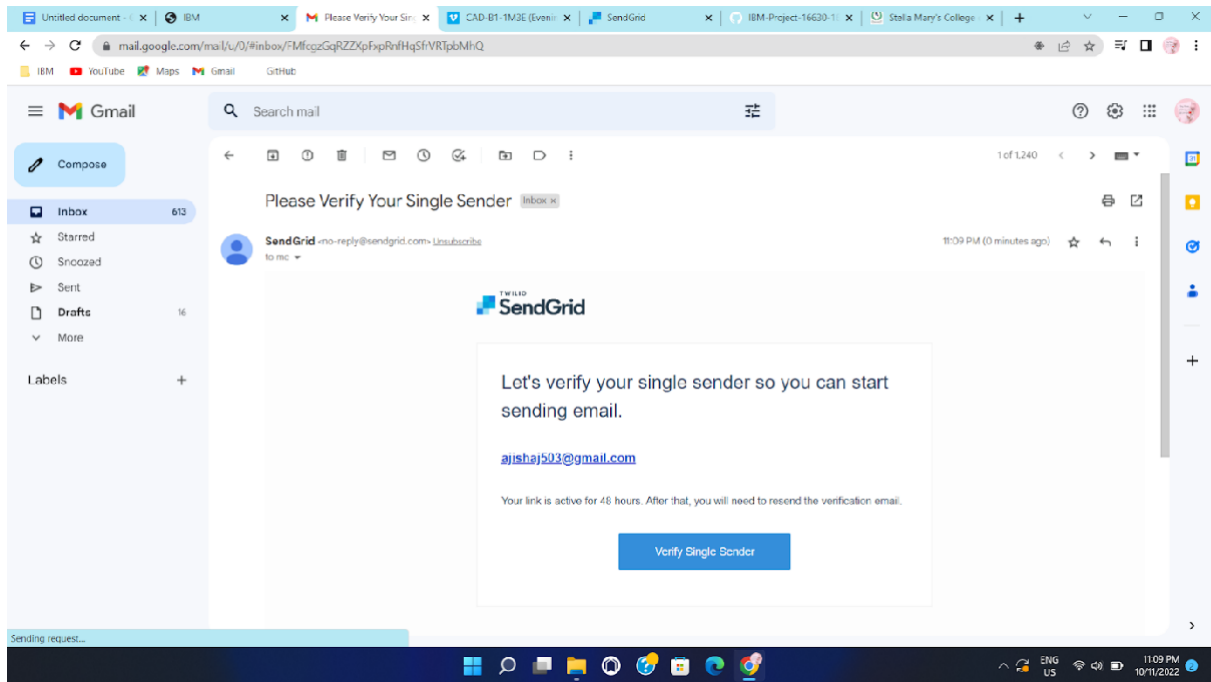
IBM Project-16430-165961 Stella Mary's College of En...

### Single Sender Verification

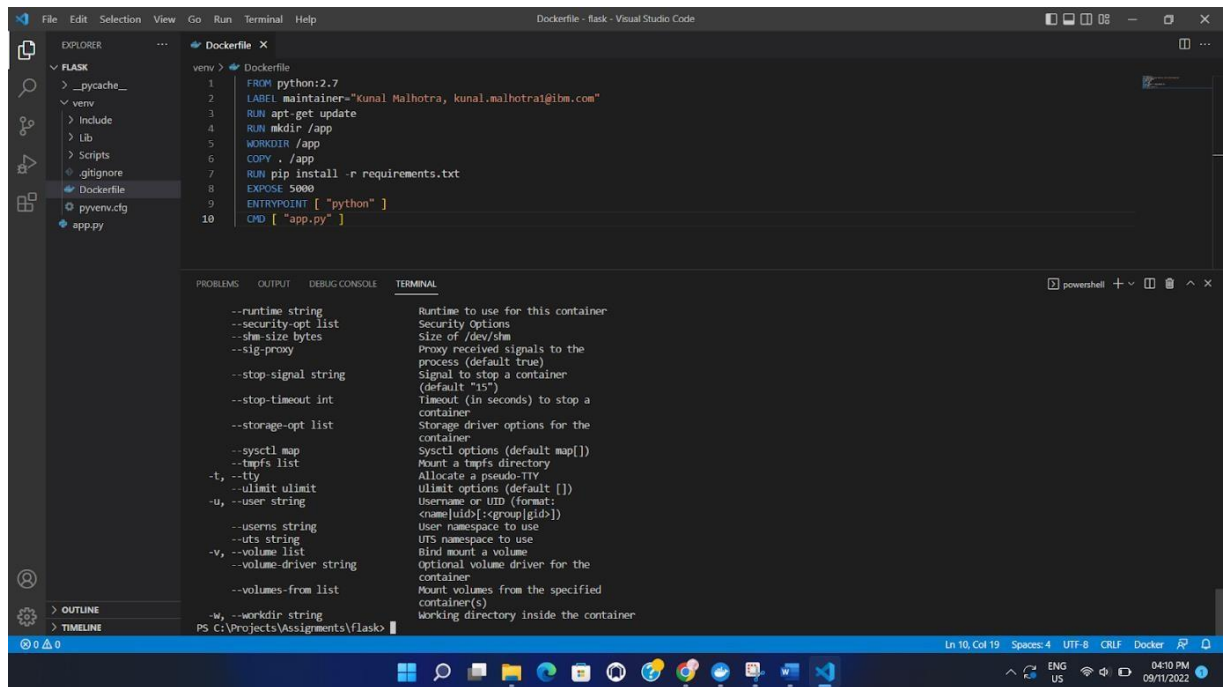
	SENDER	ADDRESS
FROM	ajshaj503@gmail.com	stella-marys
REPLY	amiraj5@gmail.com	https://www.stellamaryscollege.edu.nagacrol, IND

**Sender has been created**  
To verify sender identity, check your inbox at [ajshaj503@gmail.com](mailto:ajshaj503@gmail.com).

[Resend email](#) [Close](#)



## 2. Containerize the application

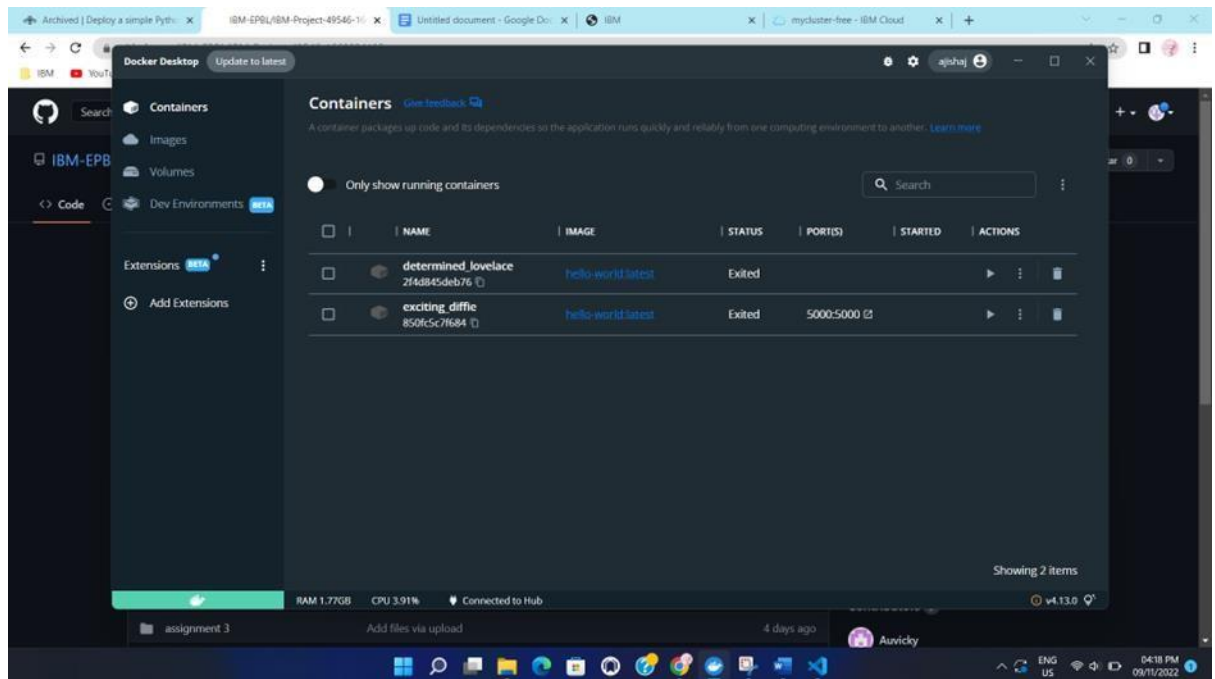


The screenshot shows the Visual Studio Code editor with a Dockerfile for a Flask application. The Dockerfile contains the following instructions:

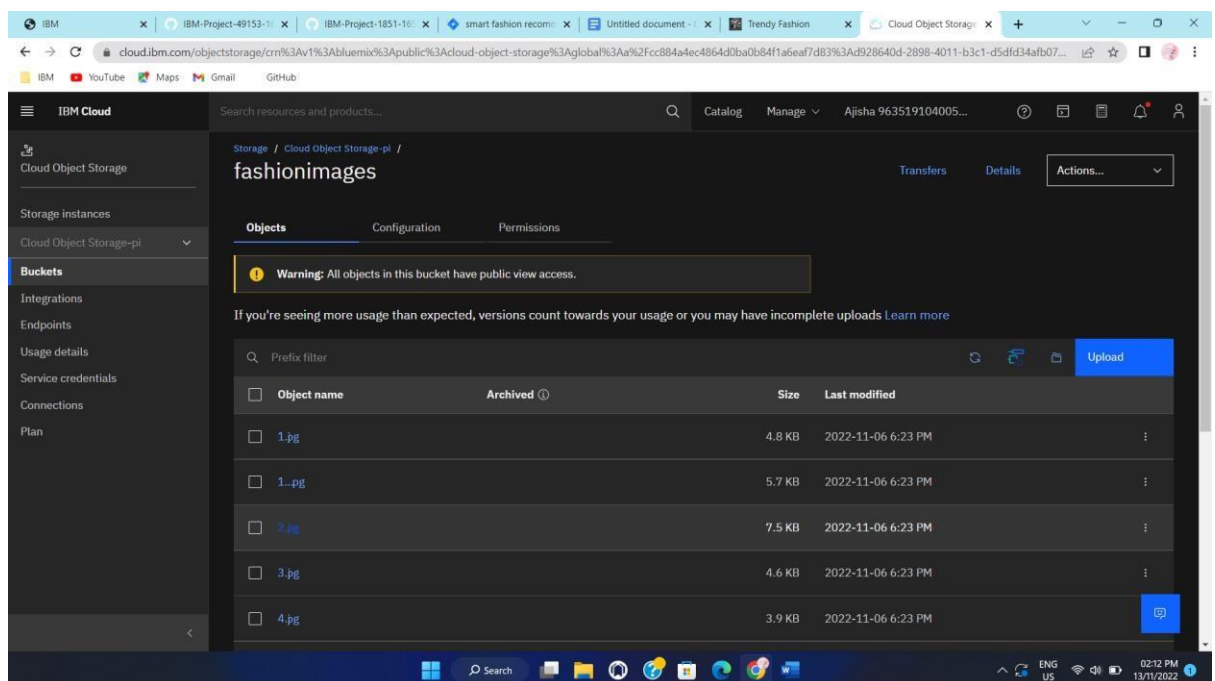
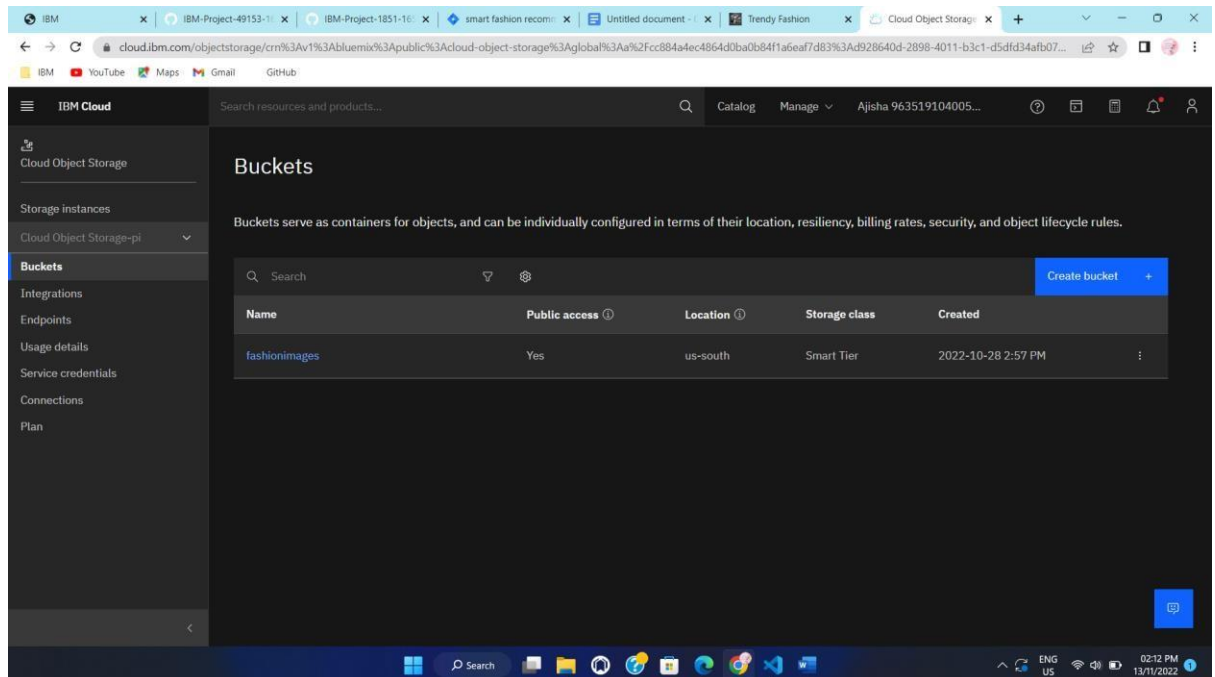
```
1 FROM python:2.7
2 LABEL maintainer="Kunal Malhotra, kunal.malhotra@ibm.com"
3 RUN apt-get update
4 RUN mkdir /app
5 WORKDIR /app
6 COPY . /app
7 RUN pip install -r requirements.txt
8 EXPOSE 5000
9 ENTRYPOINT [ "python" ]
10 CMD [ "app.py" ]
```

The terminal window displays the Docker command-line options:

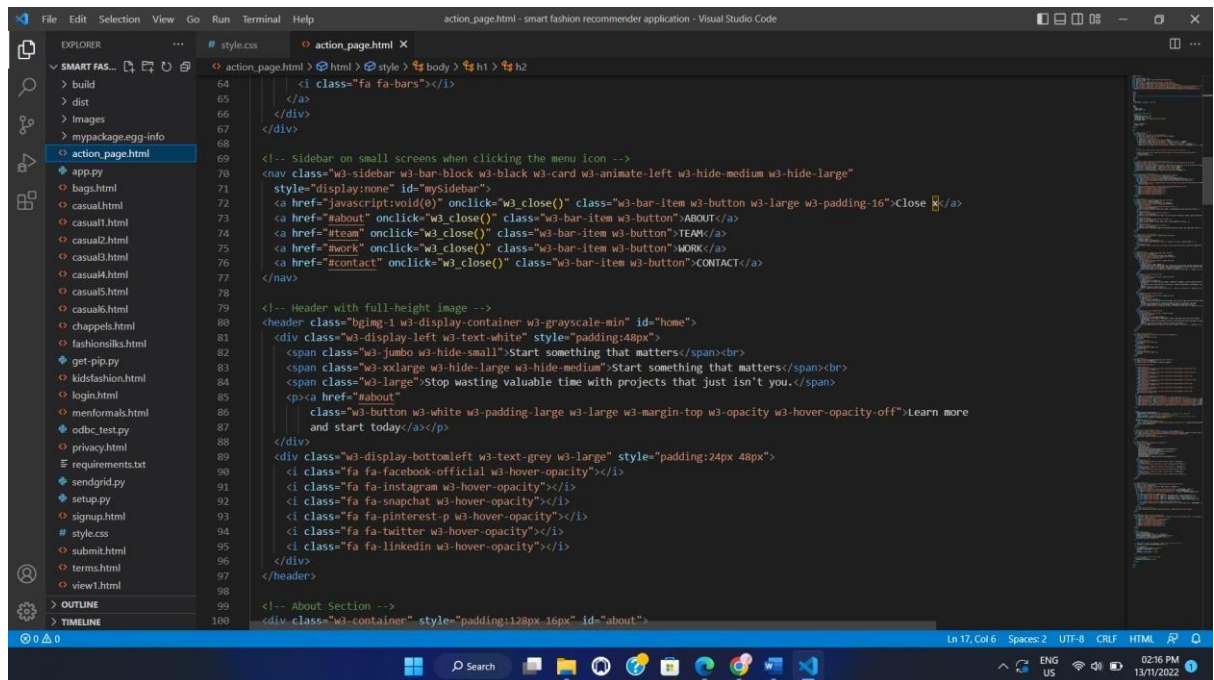
```
--runtime string          Runtime to use for this container
--security-opt list       Security Options
--shm-size bytes         Size of /dev/shm
--sig-proxy              Proxy received signals to the
                        process (default true)
--stop-signal string      Signal to stop a container
                        (default "15")
--stop-timeout int        Timeout (in seconds) to stop a
                        container
--storage-opt list        Storage driver options for the
                        container
--sysctl map              Sysctl options (default map[])
--tmpfs list             Mount a tmpfs directory
--tty                    Allocate a pseudo-TTY
--ulimit ulimit           Ulimit options (default [])
--u, --user string        Username or UID (format:
                        <name|uid[:group|gid])
--users string            User namespace to use
--uts string             UTS namespace to use
--v, --volume list        Bind mount a volume
                        optional volume driver for the
                        container
--volumes-from list       Mount volumes from the specified
                        container(s)
                        working directory inside the container
--w, --workdir string     Working directory inside the container
```



### 3. Upload images to cloud



## 4. Create responsive design for the application



```
64 <i class="fa fa-bars"></i>
65 </a>
66 </div>
67 </div>
68
69 <!-- Sidebar on small screens when clicking the menu icon -->
70 <nav class="w3-sidebar w3-bar-block w3-black w3-card w3-animate-left w3-hide-medium w3-hide-large"
71 style="display:none" id="mySidebar">
72 <a href="javascript:void(0)" onclick="w3_close()" class="w3-bar-item w3-button w3-large w3-padding-16">Close </a>
73 <a href="#about" onclick="w3_close()" class="w3-bar-item w3-button">ABOUT</a>
74 <a href="#team" onclick="w3_close()" class="w3-bar-item w3-button">TEAM</a>
75 <a href="#work" onclick="w3_close()" class="w3-bar-item w3-button">WORK</a>
76 <a href="#contact" onclick="w3_close()" class="w3-bar-item w3-button">CONTACT</a>
77 </nav>
78
79 <!-- Header with full-height image -->
80 <header class="bgimg-1 w3-display-container w3-gradscale-min" id="home">
81 <div class="w3-display-left w3-text-white" style="padding:48px">
82 <span class="w3-jumbo w3-hide-small">Start something that matters</span><br>
83 <span class="w3-xxlarge w3-hide-large w3-hide-medium">Start something that matters</span><br>
84 <span class="w3-large">Stop wasting valuable time with projects that just isn't you.</span>
85 <p><a href="#about"
86 class="w3-button w3-white w3-padding-large w3-large w3-margin-top w3-opacity w3-hover-opacity-off">Learn more
87 and start today</a></p>
88 </div>
89 <div class="w3-display-bottomleft w3-text-grey w3-large" style="padding:24px 48px">
90 <i class="fa fa-facebook official w3-hover-opacity"></i>
91 <i class="fa fa-instagram w3-hover-opacity"></i>
92 <i class="fa fa-snapchat w3-hover-opacity"></i>
93 <i class="fa fa-pinterest-p w3-hover-opacity"></i>
94 <i class="fa fa-twitter w3-hover-opacity"></i>
95 <i class="fa fa-linkedin w3-hover-opacity"></i>
96 </div>
97 </header>
98
99 <!-- About Section -->
100 <div class="w3-container" style="padding:128px 16px" id="about">
```

