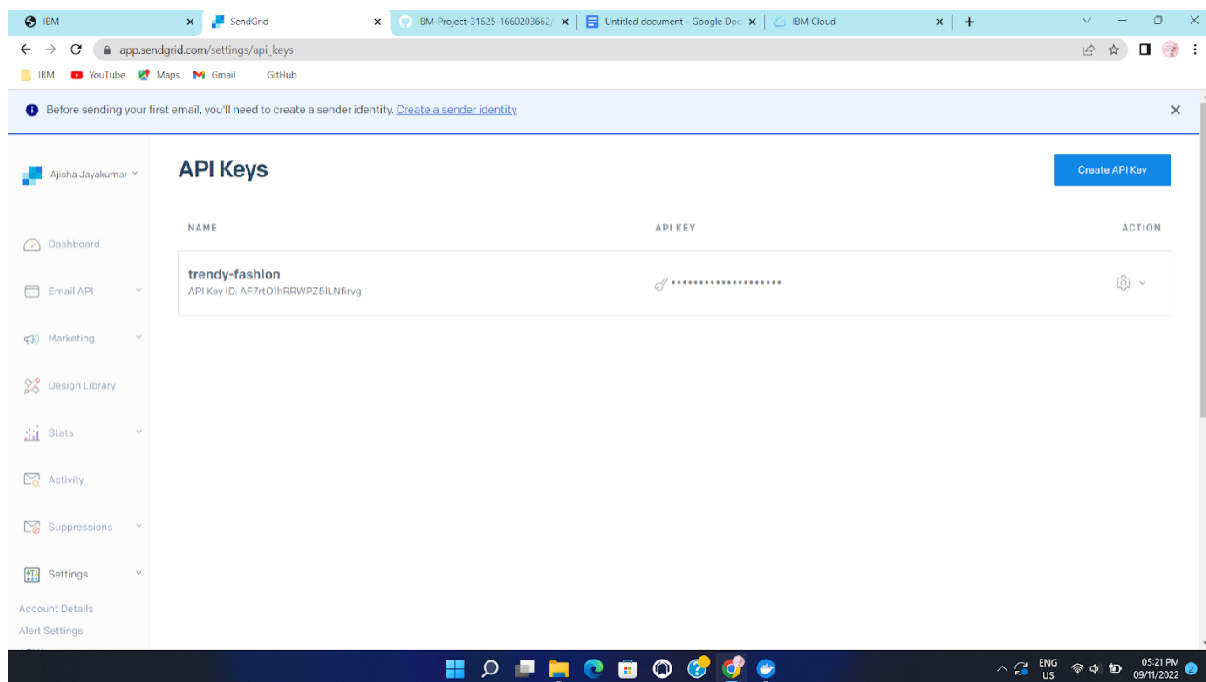
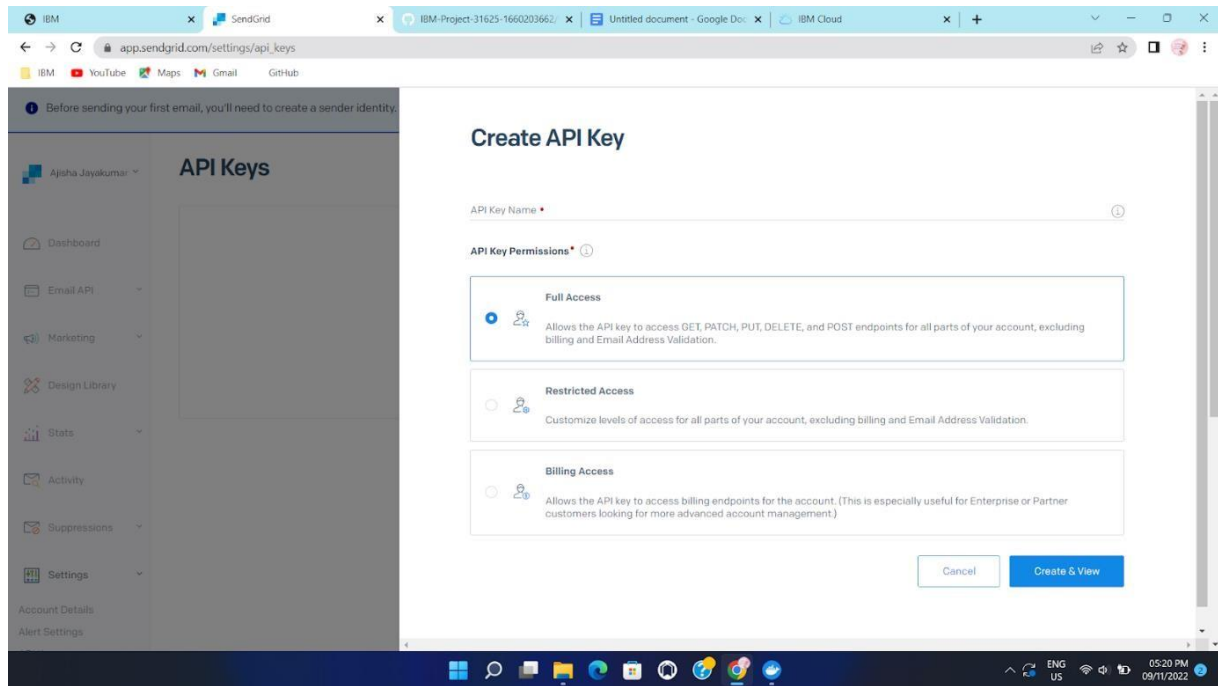


PROJECT DEVELOPMENT PHASE

SPRINT 4

TEAM ID	PNT2022TMID22250
PROJECT NAME	Smart Fashion Recommender Application

1. Sendgrid integration withpython

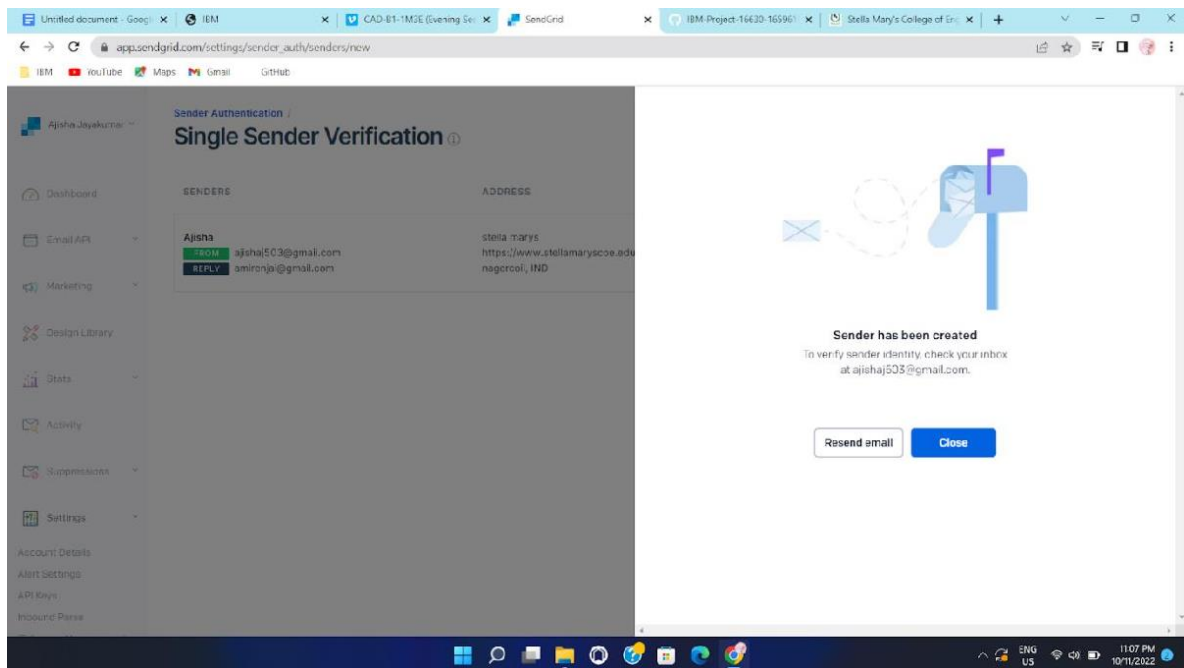


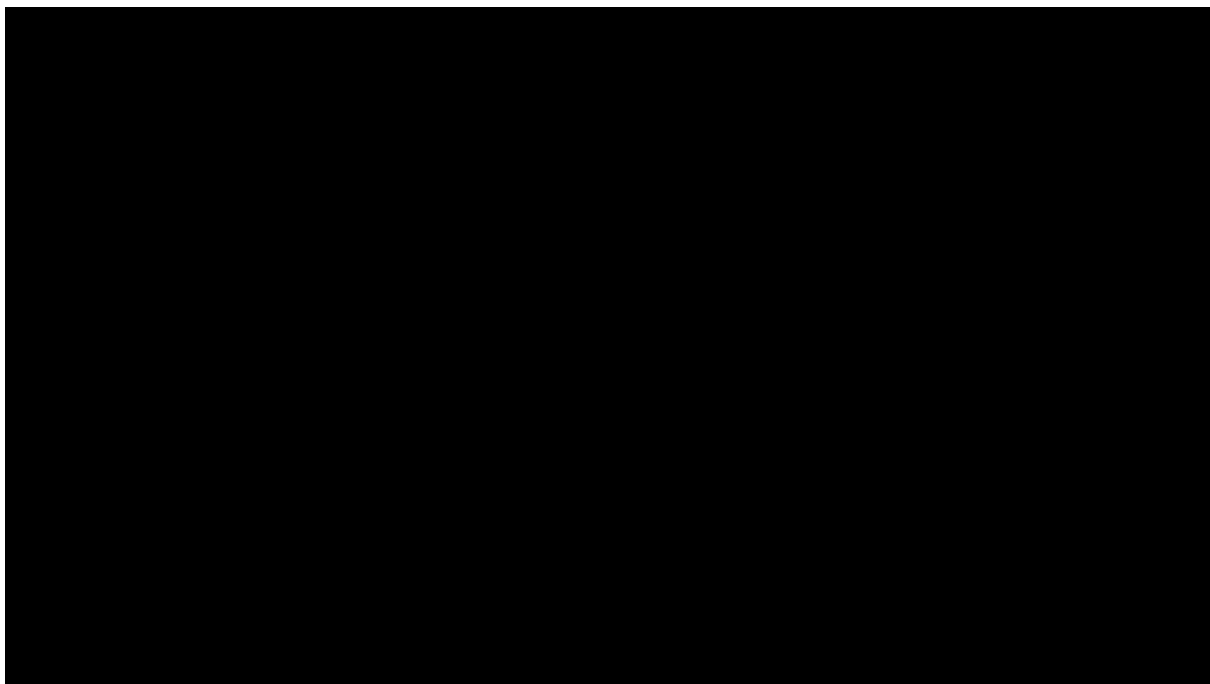
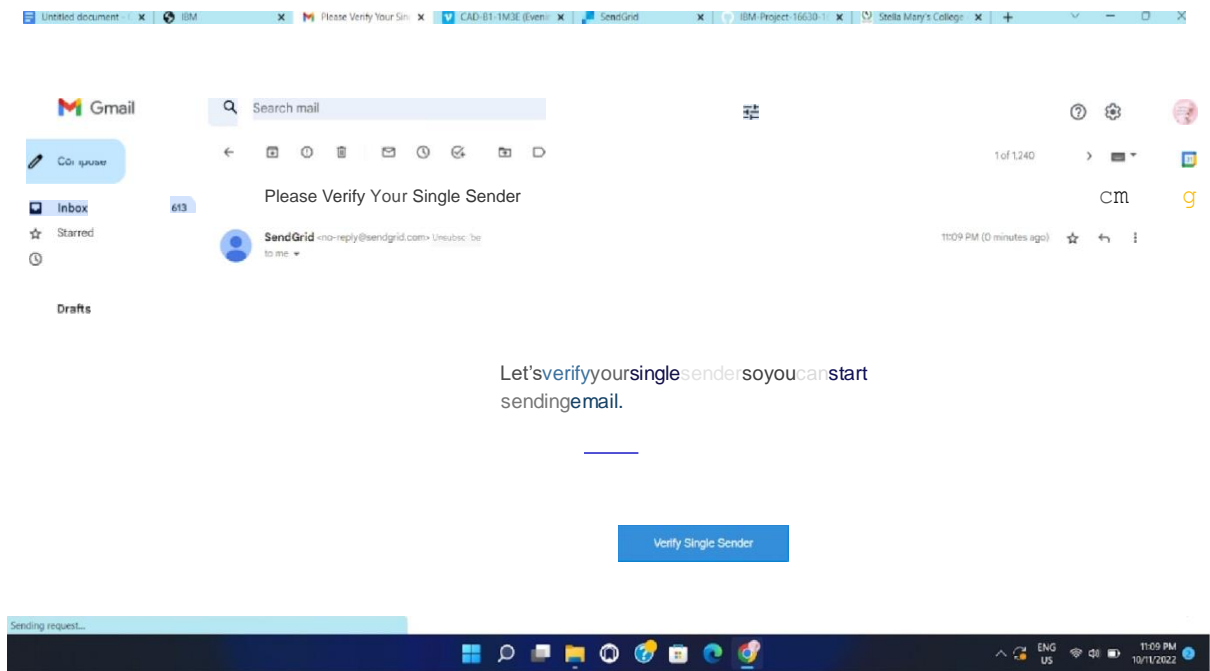
```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

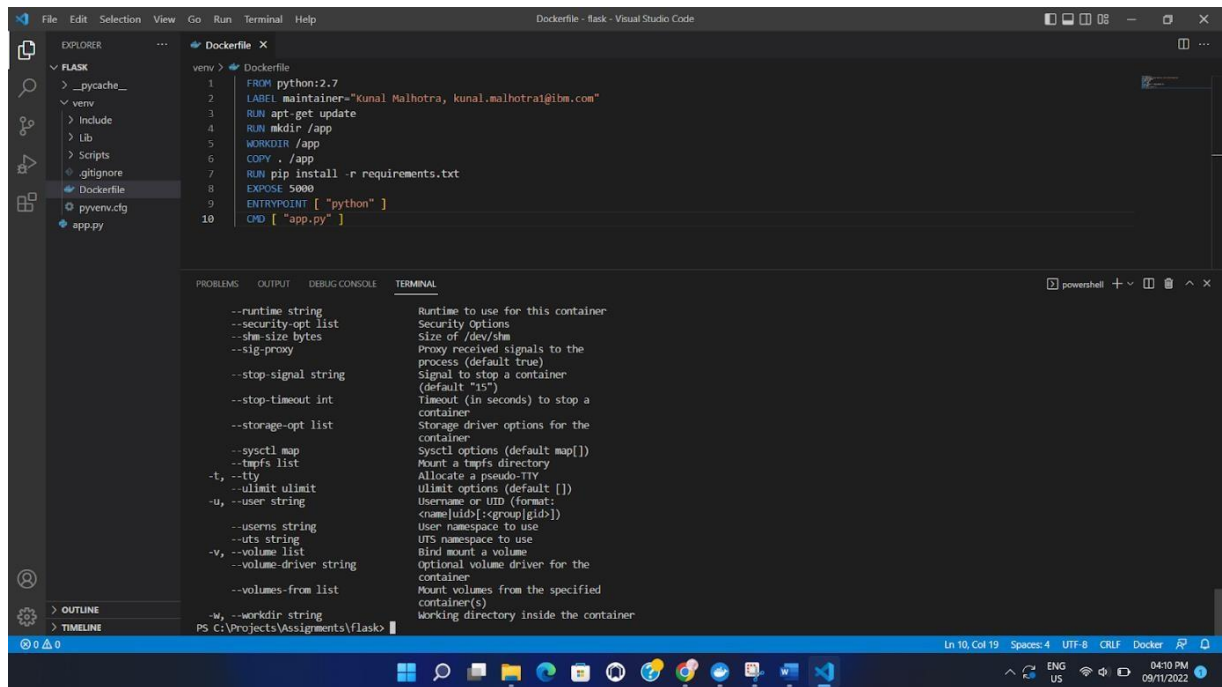
PS C:\Windows\system32> pip install sendgrid
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
    -----101.1/101.1 KB 447.4 KB/s eta 0:00:00
Collecting python-http-client<3.2.1
  Downloading python_http_client-3.1.1-py3-none-any.whl (8.4 kB)
Collecting starkbank-ecdsa==2.0.1
  Downloading starkbank-ecdsa-2.0.1.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 23.1 will enforce this behaviour 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-3.1.1 sendgrid-6.9.7 starkbank-ecdsa-2.0.1

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
PS C:\Windows\system32>
```





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:

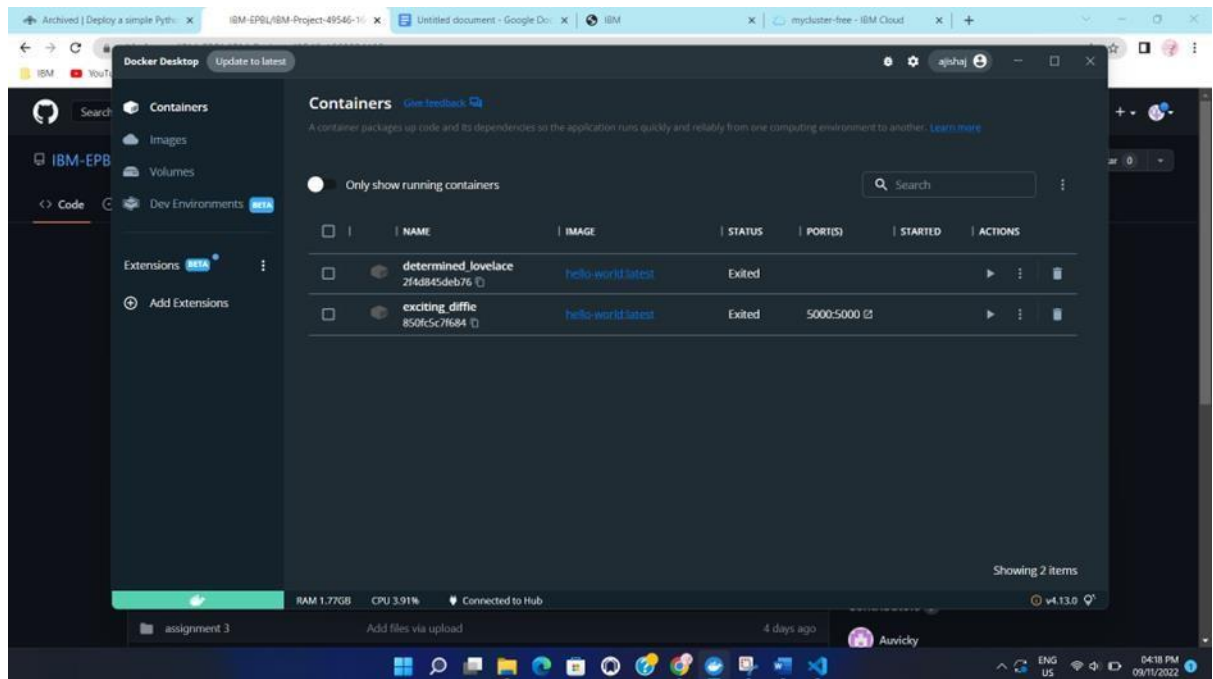
```
1 FROM python:2.7
2 LABEL maintainer="Kunal Malhotra, kunal.malhotra@ibm.com"
3 RUN apt-get update
4 RUN mkdir /app
5 WORKDIR /app
6 COPY . /app
7 RUN pip install -r requirements.txt
8 EXPOSE 5000
9 ENTRYPOINT [ "python" ]
10 CMD [ "app.py" ]
```

The Explorer sidebar on the left shows the project structure with files like `_pycache_`, `venv`, `include`, `lib`, `scripts`, `.gitignore`, `Dockerfile`, `pyvenv.cfg`, and `app.py`. The Dockerfile is selected and its content is displayed in the editor.

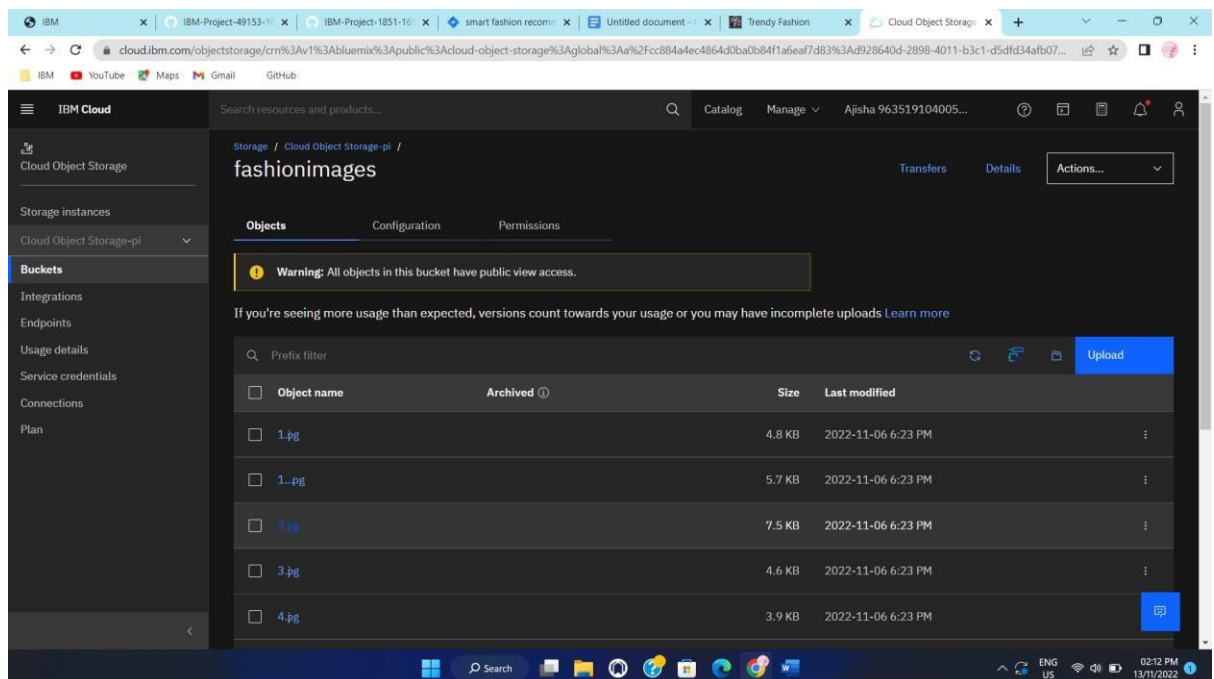
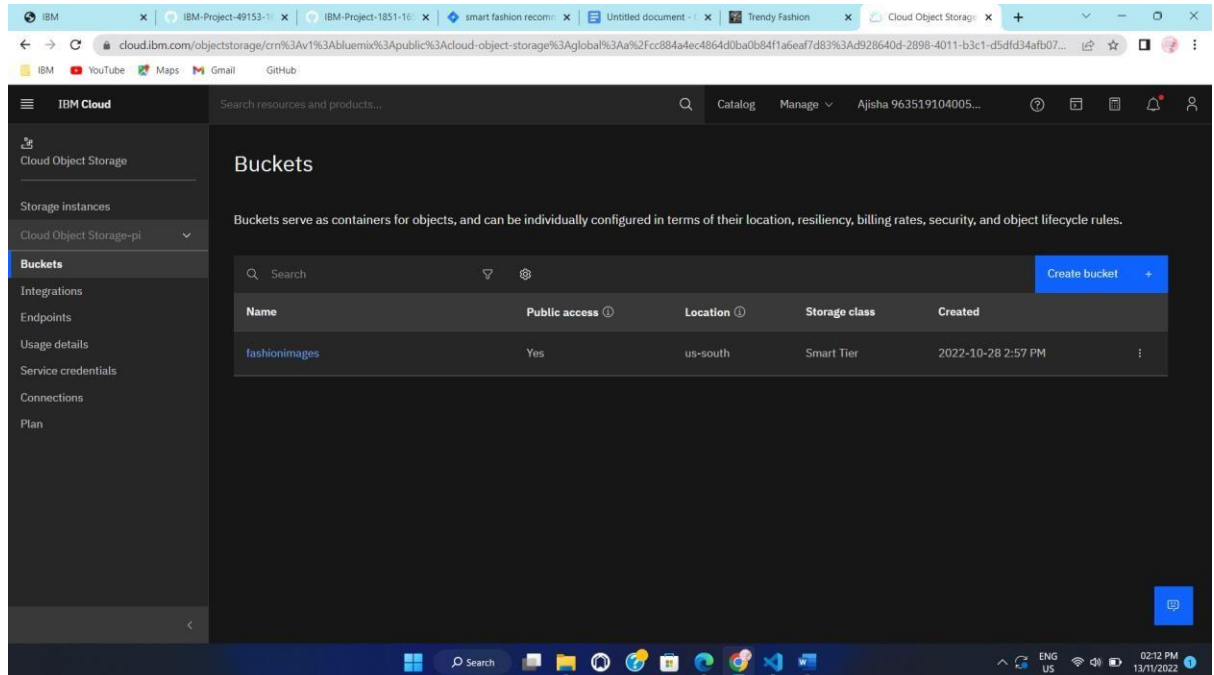
Below the editor, the `TERMINAL` tab is active, showing a list of Docker container options:

- `--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
- `--volume-driver string`: Optional volume driver for the container
- `--volumes-from list`: Mount volumes from the specified container(s)
- `-w, --workdir string`: Working directory inside the container

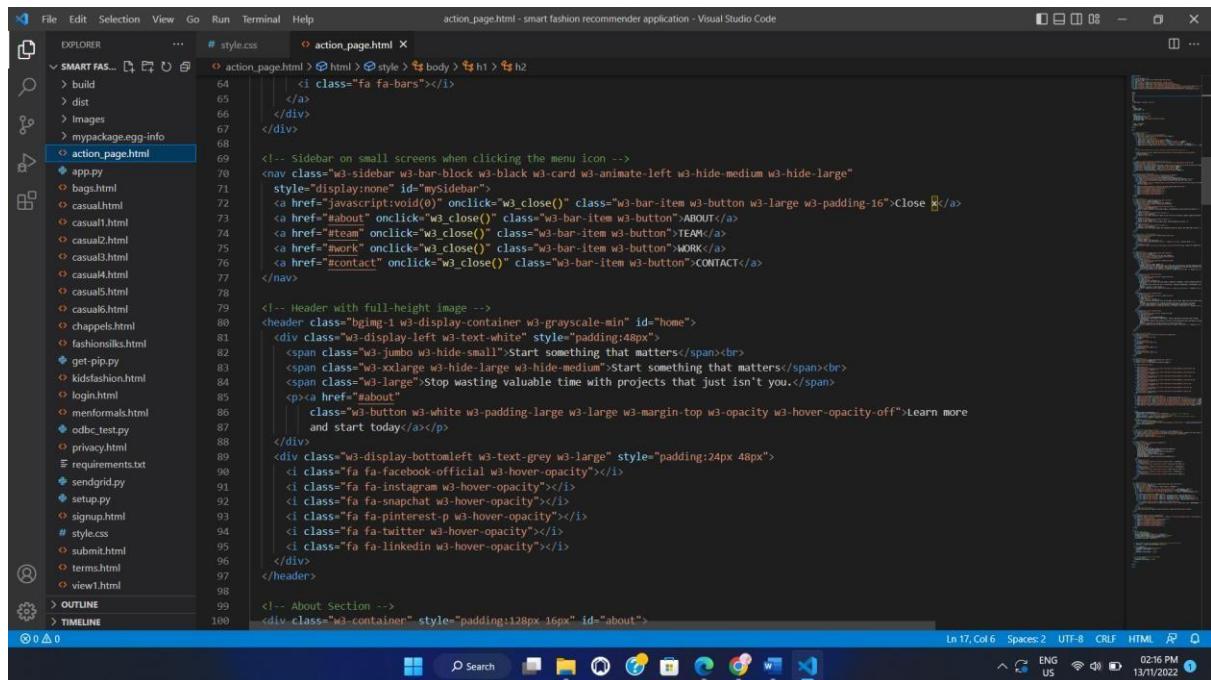
The status bar at the bottom indicates the file is at line 10, column 19, in UTF-8 encoding, with Docker support enabled.



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-grayscale-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-xlarge 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">
```

