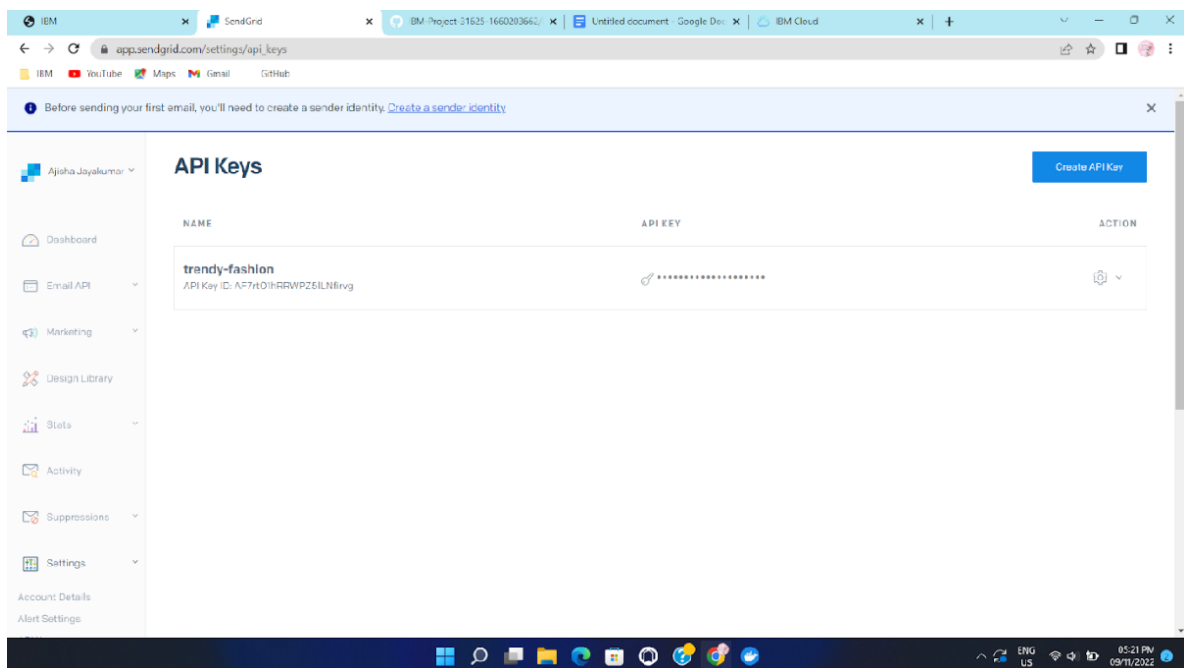
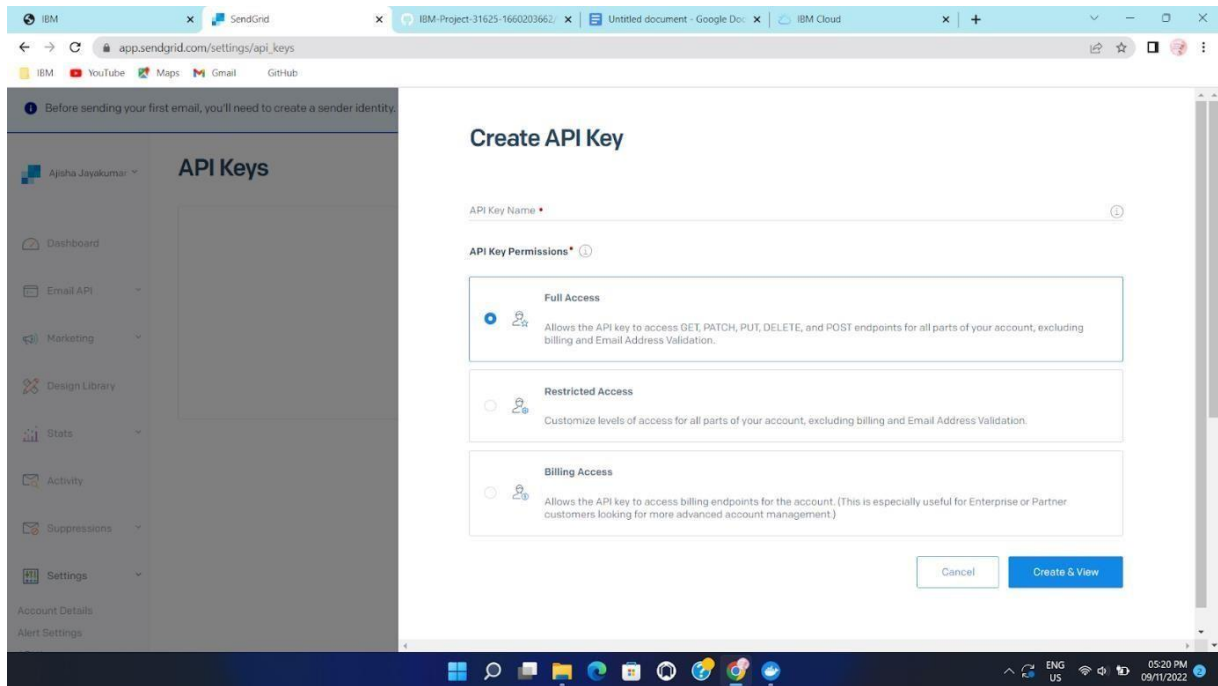


# PROJECT DEVELOPMENT PHASE

## SPRINT 4

TEAM ID	PNT2022TMID19710
PROJECT NAME	Smart Fashion Recommender Application

### 1. Sendgrid integration with python



```
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-3.3.7 sendgrid-6.9.7 starkbank-ecdsa-2.2.0

[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>
```

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

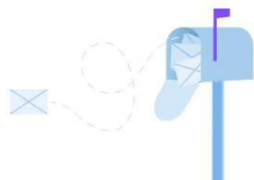
Ponvarshini P9euc

- Dashboard
- Email API
  - Marketing
  - Design Library
  - Stats
  - Activity
  - Suppressions
  - Settings
    - Account Details
    - Alert Settings
    - API Keys
    - Inbound Parse
    - IP Access Management

Sender Authentication /

## Single Sender Verification

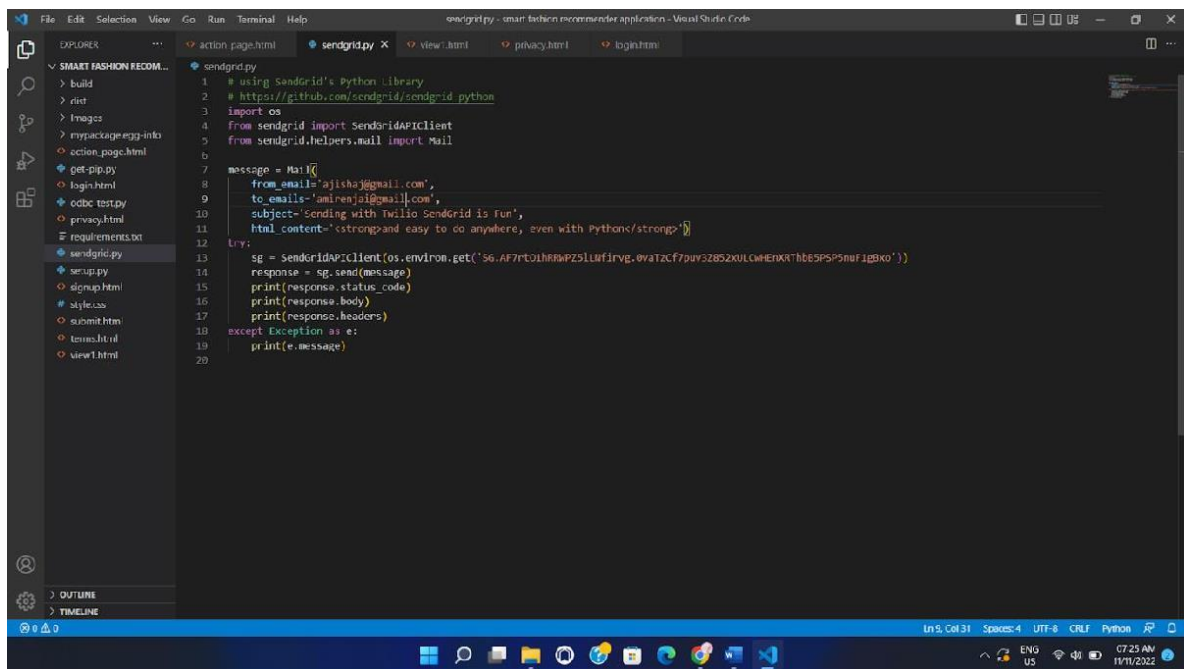
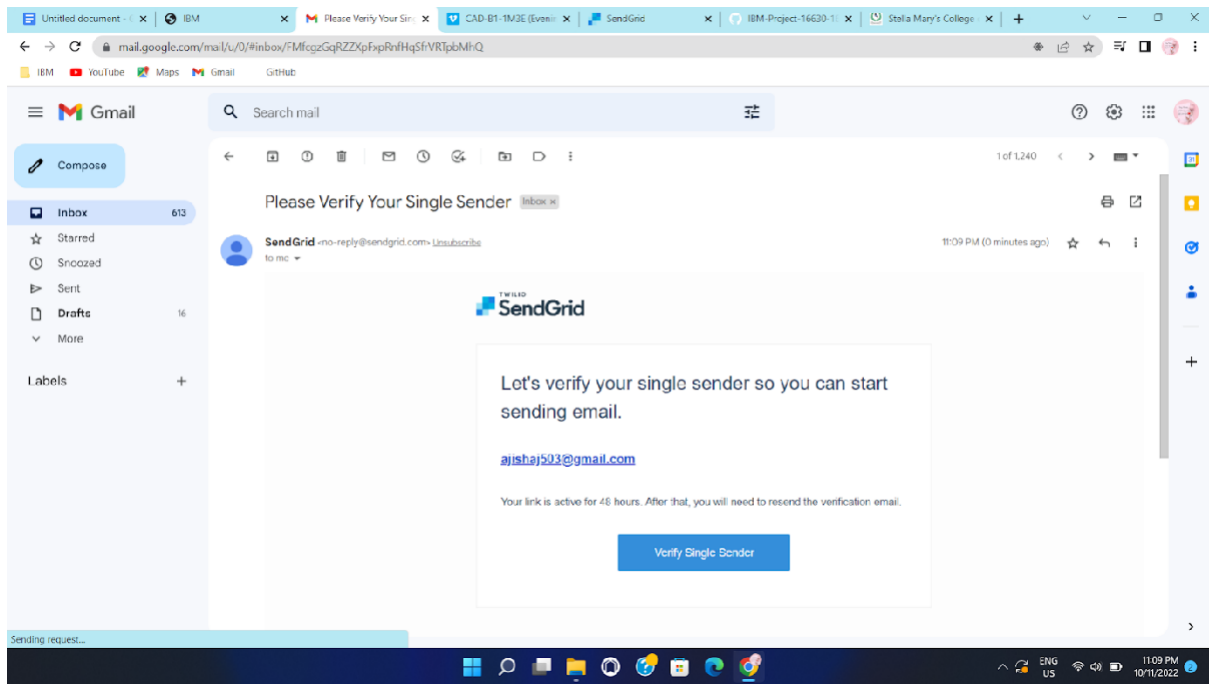
SENDERS		ADDRESS
Ponvarshini		
FROM	ponvarshiniarumugam23@gmail.com	Sri Krishna College of E
REPLY	mohamedasim71@gmail.com	Coimbatore, 641008 IN



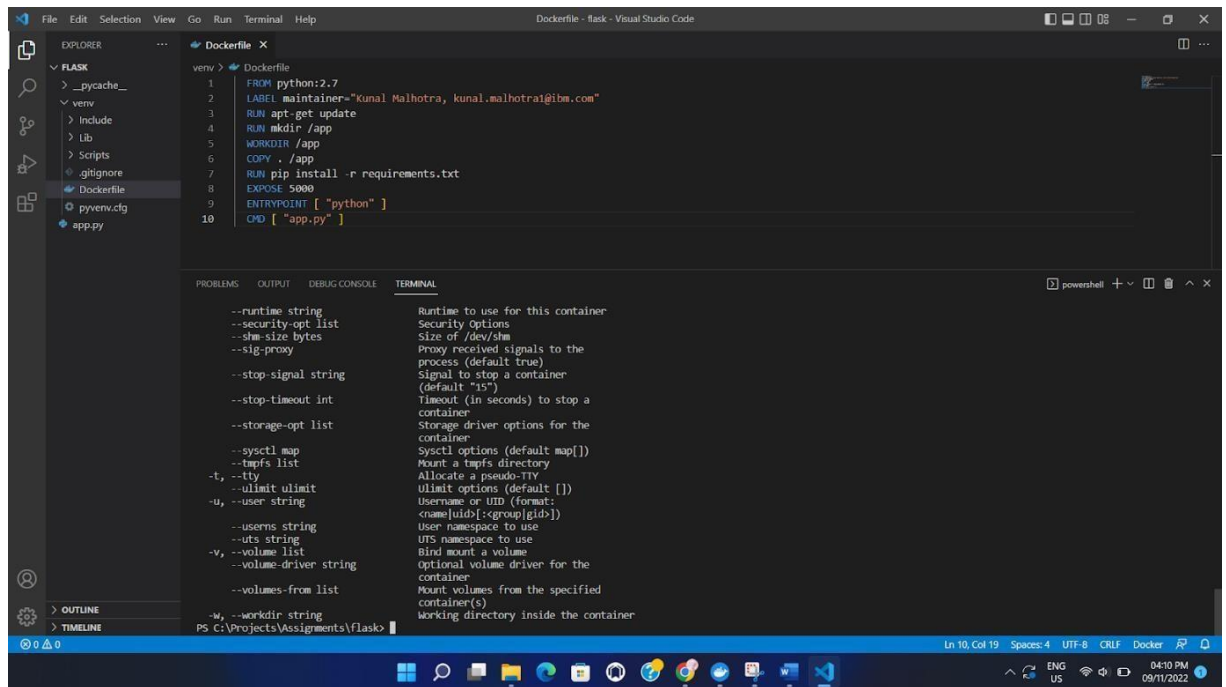
**Sender has been created**

To verify sender identity, check your inbox at ponvarshiniarumugam23@gmail.com.

Resend email Close



## 2. Containerize the application

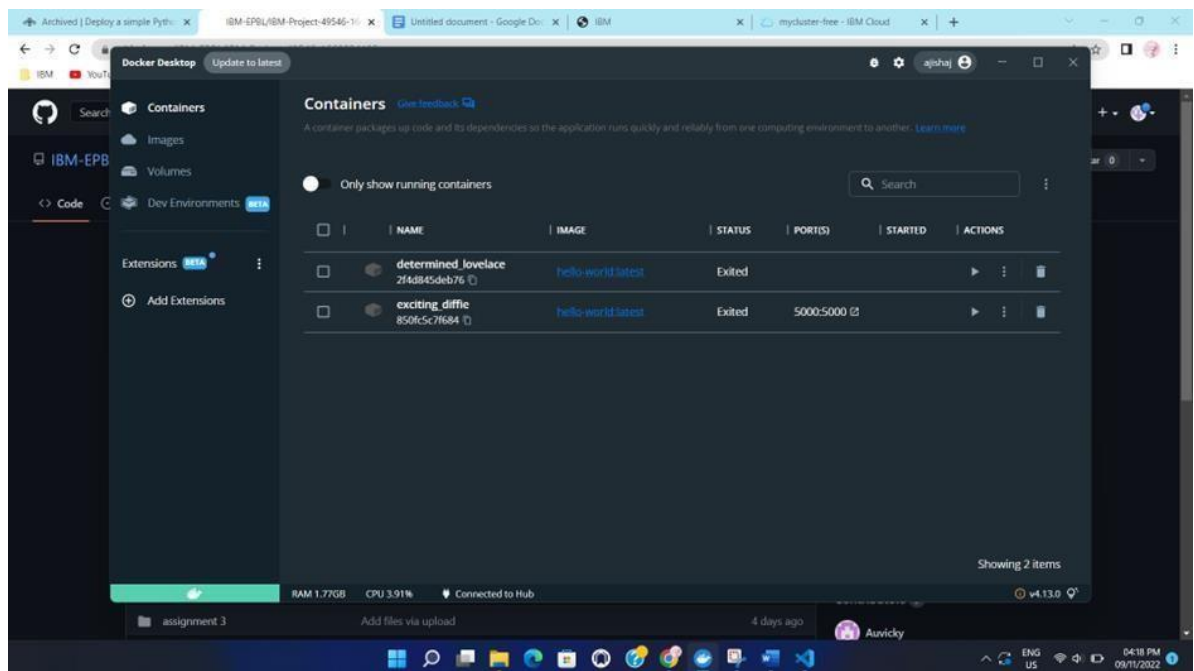


The screenshot shows the Visual Studio Code interface with a Dockerfile open in the editor. The Dockerfile contains the following instructions:

```
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" ]
```

Below the editor, the Docker CLI documentation is displayed in the terminal pane, listing various options for container management.

Option	Description
--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 "SIGTERM")
--stop-timeout int	Timeout (in seconds) to stop a container
--storage-opt list	Storage driver options for the container
--sysctl map	Systemctl options (default map[])
--tmpfs list	Mount a tmpfs directory
-t, --tty	Allocate a pseudo-TTY
--ulimit ulimit	Ulimit options (default [])
-u, --user string	Username or UID (format: <name uid[:<group gid>])
--userns 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



### 3. Upload images to cloud

IBM Cloud

Search resources and products...

Catalog Manage Ajisha 963519104005...

Cloud Object Storage

Storage instances

Cloud Object Storage-pi

**Buckets**

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

Search

Create bucket +

Name	Public access ①	Location ①	Storage class	Created
fashionimages	Yes	us-south	Smart Tier	2022-10-28 2:57 PM

IBM Cloud

Search resources and products...

Catalog Manage Ajisha 963519104005...

Cloud Object Storage

Storage instances

Cloud Object Storage-pi

**Buckets**

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Storage / Cloud Object Storage-pi /

**fashionimages**

Transfers Details Actions...

**Objects** Configuration Permissions

Warning: All objects in this bucket have public view access.

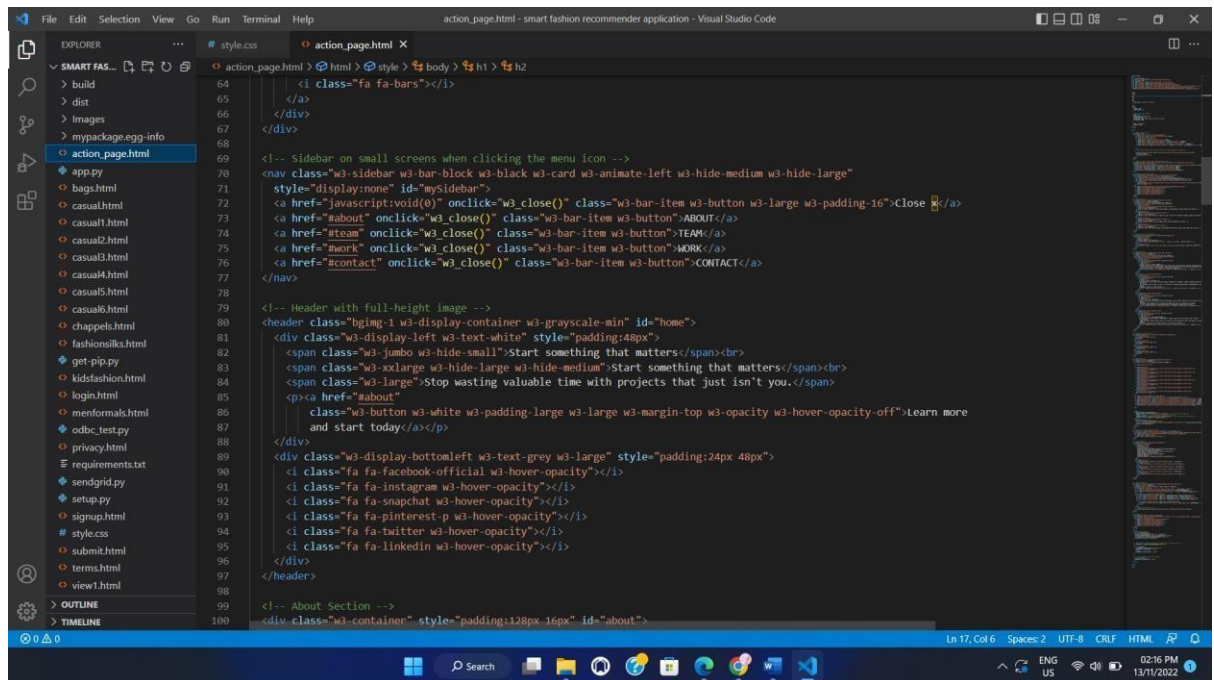
If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)

Prefix filter

Upload

Object name	Archived ①	Size	Last modified
1.jpg		4.8 KB	2022-11-06 6:23 PM
1...pg		5.7 KB	2022-11-06 6:23 PM
2.jpg		7.5 KB	2022-11-06 6:23 PM
3.jpg		4.6 KB	2022-11-06 6:23 PM
4.jpg		3.9 KB	2022-11-06 6:23 PM

#### 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-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:40px">
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">
```

