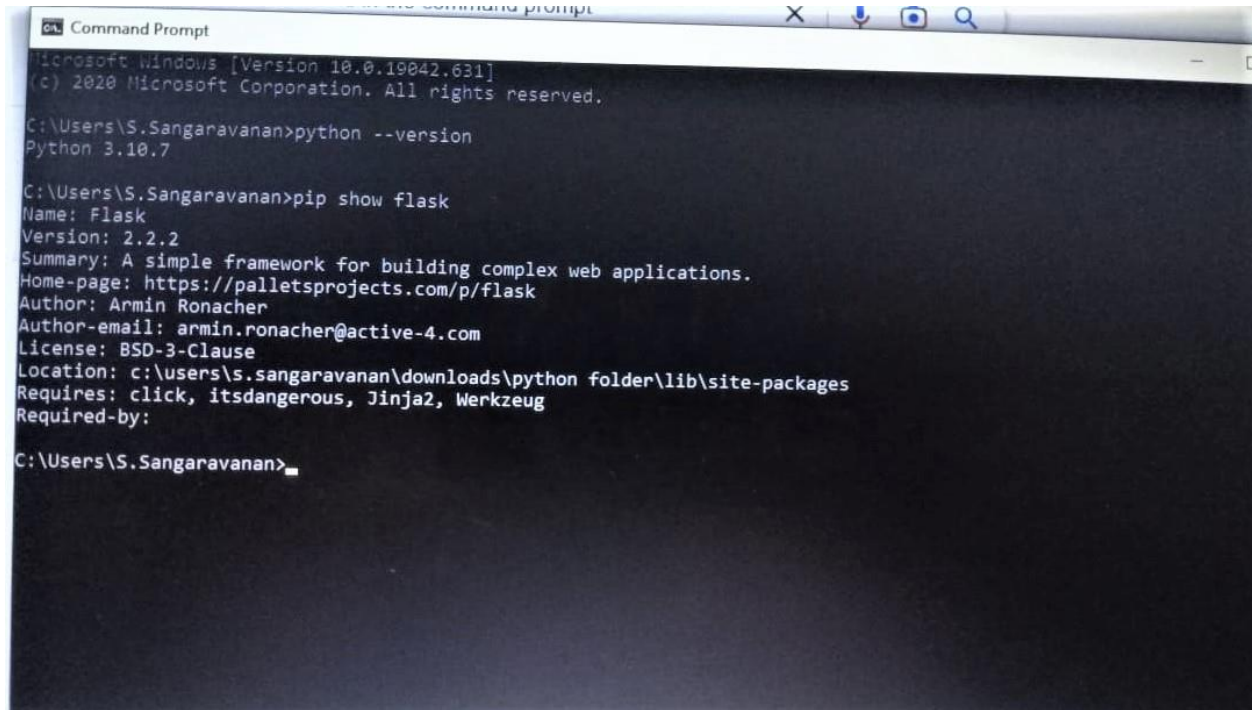


## SETTING UP THE ENVIRONMENT- FLASK PROJECT

PROJECT TITLE	Project – Nutrition Assistant Application
TEAM ID	PNT2022TMID32891



```
Microsoft Windows [Version 10.0.19042.631]
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C:\Users\S.Sangaravanan>python --version
Python 3.10.7

C:\Users\S.Sangaravanan>pip show flask
Name: Flask
Version: 2.2.2
Summary: A simple framework for building complex web applications.
Home-page: https://palletsprojects.com/p/flask
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
License: BSD-3-Clause
Location: c:\users\s.sangaravanan\downloads\python folder\lib\site-packages
Requires: click, itsdangerous, Jinja2, Werkzeug
Required-by:

C:\Users\S.Sangaravanan>
```

### FLASK PROJECT:

#### App.py

```
from flask import Flask, render_template, request, redirect, url_for, flash

from flask_wtf import FlaskForm

from wtforms import StringField, PasswordField, SubmitField

from wtforms.validators import DataRequired, Email, EqualTo

app = Flask( name ) app.config['SECRET_KEY'] =

'mysecretkey'

class RegistrationForm(FlaskForm):

    first_name = StringField('First Name', validators=[DataRequired()])

    last_name = StringField('Last Name', validators=[DataRequired()])
```

```

email = StringField('Email', validators=[DataRequired(), Email()])

phone = StringField('Phone', validators=[DataRequired()])

password = PasswordField('Password', validators=[DataRequired()])

submit = SubmitField('Submit')

@app.route('/', methods=['GET', 'POST'])

def index():

    return render_template('index.html')

@app.route('/register', methods=['GET', 'POST'])

def register():

    form = RegistrationForm()

    if form.validate_on_submit():

        flash(f'Account created for {form.first_name.data} {form.last_name.data}!', 'success')

        return render_template('success.html', form=form)

        return render_template('success.html', form=form)

@app.route('/success', methods=['GET', 'POST'])

def success():

    return render_template('success.html',

first_name=request.args.get('first_name'),

last_name=request.args.get('last_name'),

email=request.args.get('email'),

phone=request.args.get('phone'))

if name == ' main ':

    app.run(debug=True)

```

#### **Index.html:**

```
<!DOCTYPE html>
```

```
<html>

<head>

<title>Flask App</title>

<link rel="stylesheet"

href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" cross
origin="anonymous">

</head>

<body>

<h1>Registration Page</h1>

<form action="/register" method="POST">

<label for="first_name">

First Name:

</label>

<input type="text" name="first_name" id="first_name"> <br>

<label for="last_name">

Last Name:

</label>

<input type="text" name="last_name" id="last_name"> <br>

<label for="email">

Email:

</label>

<input type="text" name="email" id="email"> <br>

<label for="phone">

Phone:

</label>
```

```
<input type="text" name="phone" id="phone"> <br>
<label for="password">
Password:
</label>
<input type="password" name="password" id="password"> <br>
<input type="submit" value="Submit">
</form>
</body>
</html>
```

**Success.html:**

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Success</title>
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css " integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
</head>
<body>
<h1>Success</h1>
<h2>Thank you for submitting your information</h2>
<h3>Here is the information you submitted:</h3>
<p>
```

First Name: {{form.first\_name}}

</p>

<p>

Last Name: {{form.last\_name}}

</p>

<p>

Email: {{form.email}}

</p>

<p>

Phone: {{form.phone}}

</p>

</body>

</html>