**Assignment -1**

**HTML Form**

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| Assignment Date | 19 September 2022 |
| Student Name | ABURVA J |
| Student Roll Number | 820419104003 |
| Maximum Marks | 2 Marks |

**Question-1:**

**Create registration page in html with username, email and phone number and by using POST method display it in next html page.**

**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>



**Question 2:**

**Develop a flask program which should contain at least 5 packages used from pypi.org.**

**Program:**

# Importing flask module in the project is mandatory

# An object of Flask class is our WSGI application.

From flask import Flask

# Flask constructor takes the name of

# current module (\_\_name\_\_) as argument.

app =Flask(\_\_name\_\_)

# The route() function of the Flask class is a decorator,

# which tells the application which URL should call

# the associated function.

@app.route('/')

# ‘/’ URL is bound with hello\_world() function.

Def hello\_world():

    return 'HelloWorld'

# main driver function

if\_\_name\_\_ =='\_\_main\_\_':

# run() method of Flask class runs the application

    # on the local development server.

    app.run()