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# Assignment 1

1. *Create registration page in html with username, email and phone number and by using POST method display it in next html page.*
2. *Develop a flask program which should contain at least 5 packages used from pypi.org.*

# Code

*app.py*

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| 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*

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| <!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" *crossorigin*="anonymous">  </head>  <body>  <h1>Registration</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*

*<!-- Print form data from flask app -->*

<!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>

*fail.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>Fail</title>

</head>

<body>

<h1>Fail</h1>

<h2>Sorry, there was an error with your submission</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>

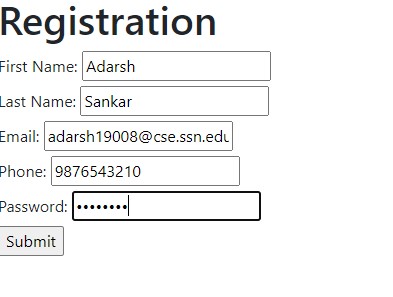
<p>Phone: {{form.phone}}</p>

</body>

</html>

# Output

Index.html



Register.html

