

**Assignment 1**  
**Login Form using Flask**

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**CSE – A**

**Aim:** To create a login website using Flask, and to create a success page on registration.

**Code:**

**<myapp.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()])
    email = StringField('Email', validators=[DataRequired(), Email()])
    password = PasswordField('Password', validators=[DataRequired()])
    submit = SubmitField('Submit')

@app.route('/', methods=['GET', 'POST'])
def index():
    return render_template('ff.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)

```

<ff.html>

<html>

<head>

    <link

href="https://fonts.googleapis.com/css2?family=Fredoka:wght@300&display=swap" rel="stylesheet">

<body>

<title>Falcon's Website</title>

<link href="ff.css" rel="stylesheet">

<h1>

    Falcon's Website

</h1>

</head>

<h1><center>Feedback Form</center></h1>

<form action="/register">

    <div class="center">

        <br>

        <label for="name">Name:</label>

        <input type="text" id="name" name="name" placeholder="Your name..">

        <br>

        <br>

        <label for="email">Email:</label>

        <input type="text" id="email" name="email" placeholder="Your email..">

        <br>

        <br>

        <label for="Password">Password</label>

        <input type="password" id="Password" name="Password">

        <br>

        <br>

        <button id="submit">Submit</button>

</div>

```
</body>
```

```
</html>
```

<success.html>

```
<html>
  <head>
    <link
href="https://fonts.googleapis.com/css2?family=Fredoka:wght@300&display=swap"
rel="stylesheet">
    <title>Falcon's Website</title>
    <link href="ff.css" rel="stylesheet">
  </head>
  <body>
    <h1> Falcon's Website </h1>
    <h1><center>Registration Success!</center></h1>

  </body>
</html>
```

Output Screenshots:

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# Falcon's Website

Name:

Email:

Password:

---

Falcon's Website

Registration Success!

**Result:** Learnt to use Flask to create a registration page in python and html successfully.