Hello-Flask

main.py

from flask import Flask, request, redirect, render\_template

import html

import os

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

app.config['DEBUG'] = True

@app.route("/")

def index():

return render\_template('hello\_form.html')

@app.route("/hello", methods=["post"])

def hello():

first\_name = request.form['first\_name']

return render\_template('hello\_greeting.html', name=first\_name)

@app.route("/validate-time")

def display\_time\_form():

return render\_template('time\_form.html')

def is\_integer(num):

try:

int(num)

return True

except ValueError:

return False

@app.route('/validate-time', methods=['POST'])

def validate\_time():

hours = request.form['hours']

minutes = request.form['minutes']

hours\_error = ""

minutes\_error = ""

if not is\_integer(hours):

hours\_error = 'Not a valid integer'

hours = ''

else:

hours = int(hours)

if hours > 23 or hours < 0:

hours\_error = 'Hour value out of range (0-23)'

hours = ''

if not is\_integer(minutes):

minutes\_error = 'Not a valid integer'

minutes = ''

else:

minutes = int(minutes)

if minutes > 59 or minutes < 0:

minutes\_error = 'Minutes value out of range (0-59)'

minutes = ''

if not minutes\_error and not hours\_error:

time = str(hours) + ":" + str(minutes)

return redirect('/valid-time?time={0}'.format(time))

else:

return render\_template('time\_form.html', hours\_error=hours\_error, minutes\_error=minutes\_error, hours=hours, minutes=minutes)

@app.route("/valid-time")

def valid\_time():

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

return "<h1>You submitted {0}. Thanks for submitting a valid time!</h1>".format(time)

tasks = []

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

def todos():

if request.method == 'POST':

task = request.form['task']

tasks.append(task)

# if request.method == 'GET':

# task = request.arg.get('task')

return render\_template('todos.html', title='TODOS', tasks=tasks)

app.run()

# @app.rout("/about") #adds another "page" localhost:5000/about

# def about():

# return "about"

base.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>{{title}}</title>

</head>

<body>

{% block content %}

{% endblock %}

</body>

</html>

hello\_form.html

<!DOCTYPE html>

<html>

<body>

<form action="/hello" method="post">

<label for="first-name">First Name:</label>

<input id="first-name" type="text" name="first\_name"/>

<input type="submit" />

</form>

</body>

</html>

hello\_greeting.html

<!DOCTYPE html>

<html>

<body>

<h1>Hello, {{name}}</h1>

</body>

</html>

time\_form.html

<!DOCTYPE html>

<html>

<head>

<style>

.error {color: red; }

</style>

</head>

<body>

<h1>Validate Time</h1>

<form method='POST'>

<label>Hours (24-hour format)

<input name="hours" type="text" value='{{hours}}' />

</label>

<p class="error">{{hours\_error}}</p>

<label>Minutes

<input name="minutes" type="text" value='{{minutes}}' />

</label>

<p class="error">{{minutes\_error}}</p>

<input type="submit" value="Validate" />

</form>

</body>

</html>