

MODULARIZED FLASK PROJECT CHEAT SHEET

- 1: Create schema and ERD appropriate to your project. Forward engineer schema.
- 2: Create new project directory. CD into directory.
- 3: `pipenv install flask==2.0.3 werkzeug==2.0.3 pymysql flask-bcrypt` (may have to run as `python3 -m pipenv install flask==2.0.3 werkzeug==2.0.3 pymysql flask-bcrypt`)
- 4: Create new server.py file
- 5: create new folder flask_app.. CD into flask_app
- 6 Create new `__init__.py` file.
- 7: in `__init__.py` add the following lines:

```
from flask import Flask
app = Flask(__name__)
app.secret_key = "My Secret Key! SHHHHH!"
```

- 8: Create static, templates, models, controllers and config folder.
- 9: Copy/create mysqlconnection.py file into the config folder
- 10: Create model classes for each of your tables in the models folder. Name them the singular form of your table names. (user for users, customer for customers, etc.) add all necessary attributes. also include the following import on each model:

```
from flask_app.config.mysqlconnection import connectToMySQL
```

- 11: Create controllers for each of your models. Name them the plural form of the model. include the following imports (substitute your model name for customer):

```
from flask_app import app
from flask import render_template, redirect, request, session, flash
from flask_app.models.user import User
```

12: Add the following to your server.py(substitute your controller names for customers and orders):

```
from flask_app import app
from flask_app.controllers import users

if __name__ == "__main__":
    app.run(debug=True)
```

You are now ready to start building your project! Remember that your @app.route commands should go into the controller named after the model you will be calling methods from. Good luck and happy hacking!