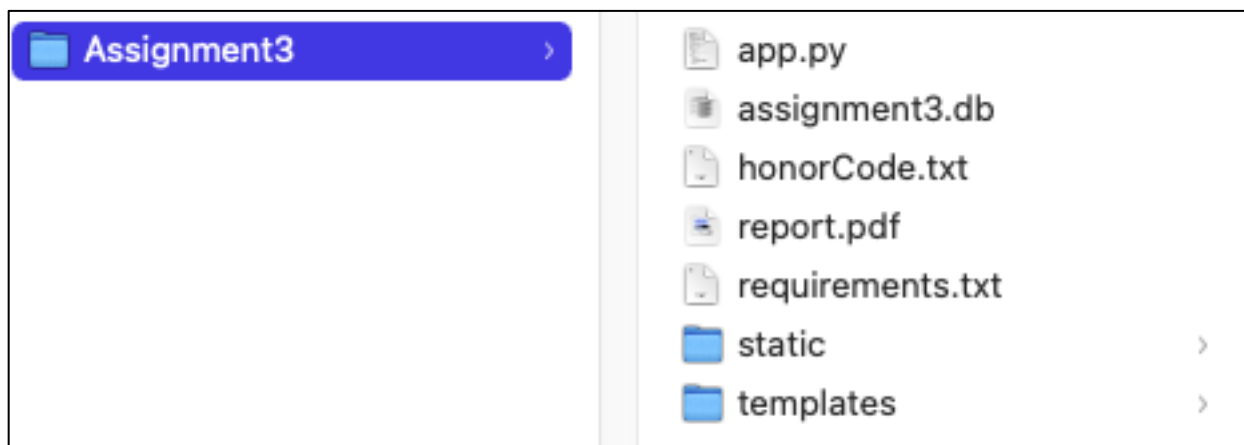# Assignment 3 Deliverables

Introduction

The purpose of this document is to highlight and outline the important steps for the submission of your assignment 3.

Here is what you need to do before submitting your assignment3 on MarkUs

1. Make sure that your flask code runs on port 5000. The very first thing that we will do when marking your assignment is go to the following link http://localhost:5000

2. Make sure that your welcome page or your starting page is shown to us when we go to http://localhost:5000.

3. Use relative path names and not absolute path names. Absolute path names will only work on your computer and will not work when we test your assignment on our computers. If you use absolute path names, your program will not run and we cannot test your code and you will receive heavy penalty.

4. You must submit to us a .db file that has some predefined users (students and instructors) and some dummy marks data. We ask you to create the following users:
   Student
     username: student1
     password: student1
     username: student2
     password: student2
   Instructor
     username: instructor1
     password: instructor1
     username: instructor2
     password: instructor2

5. Make sure that you have the above entries created with some dummy data for grades, so that we can immediately test your code with these entries first. Later we will create our own users as well when testing your assignment.

6. We will use Python 3.x and not Python 2.x when testing your code. Make sure that your code runs find on Python 3.x
   - You can use the default SQLite package present in Python 3.x (example from tutorial), or you may use SQLAlchemy (example from class).
   - Make sure that you **do not use any other packages besides the one that are present in Python 3.x, flask and the only the ones we have used during lectures**.

- **These are the only packages that you are allowed to use**. In other words, you can use everything that is present inside Python 3.x and flask.
- Your python file that contains the Flask code must be called app.py.

7. Provide a short report to us (.pdf) that summarizes what features you had working and what features you could not get completed. Make sure to have them outlined clearly. The report must also clearly mention the items that were worked on by each team member. In addition, you must also say what % of assignment 3 was worked by each team member.

8. Your submission to us must be called assignment3.zip that will contain inside it a single folder called Assignment3.

MarkUs doesn't accept the file of size larger than 5MB.
Check the size of the file before deadline.

From the figure above:

(a) **app.py** contains all Flask code

(b) **assignment3.db** contains your SQlite database that the Flask code refers to

(c) **honorCode.txt** is the honor code and must clearly contain the honor code along with the first name and last name of you and your partner

(d) **report.pdf** contains the report of your assignment as outlined above.

(e) **requirements.txt** contains versions of the required Python libraries (or "packages") to run the Python code you have written.

More on requirments.txt https://boscacci.medium.com/why-and-how-to-make-a-requirements-txt-f329c685181e

(f) **static directory** contains all the css files, images, etc, and other static files.

(g) **templates directory** contains all the html files.

(h) LASTLY, MAKE SURE THAT EVERYTHING IS STRUCTURED AS MENTIONED IN THE FIGURE AND WORKS.

If it does not work on your or your partner's computer, it will also not run on our computer.

Bonus points:

Rick has prepared following tutorial (with videos) using which you can deploy your app on Heroku to fetch bonus points.
Before that, make sure that all the requirements mentioned prior to this are met. Else you will not fetch all the bonus points for the assignment.

Deliverable:

1. For **10 bonus** marks, deploy your final web app to Heroku and in your submission folder, put deploy_link.txt in which you give the link to your deployed project.

   Here is a video on how to deploy your web app on to Heroku.
   https://youtu.be/yA2DMQyeOaU

Other stuff to mention:

1. When you submit A3, please do not submit anything related to your virtual environment, if you use it.
2. If you're using git, do not submit any file(s) related to git. As these files are hidden, you will have to show hidden files.
   - For Windows, refer to this: https://support.microsoft.com/en-us/windows/view-hidden-files-and-folders-in-windows-97fbc472-c603-9d90-91d0-1166d1d9f4b5
   - For MAC/Linux, you can open terminal in your submission folder and do the command ls -la to see all files. If you use git, you will see a .git folder. Do not submit this, or any other .git_ files, as it may cause the size to exceed 5mb.

See this video: https://youtu.be/a-a7cQ-xf_A