

Table of Contents

1. [Milestone 1](#)
2. [Milestone 2](#)
3. [Milestone 3](#)
4. [Milestone 4](#)

Feedback | Group 7

Milestone 1 | 20Oct-13Oct

1. **Define the problem**
2. **Finalizing roles**
3. **Create a product roadmap and prioritize functionality (items)**
4. **Creating the GitHub repository included readme.md and `.gitignore` (for Python) files**
5. **Create a virtual environment in the above repo and generate requirements.txt (`venv` must be ignored in git)**
6. **Push *point 1, point 3, point 5 (requirements.txt)***
7. **Complete the first chapter of Developing Python Packages**
8. **Create a private Slack channel in our Workspace and name it Group-{number}**
9. **Schedule a call with me and Garo or come during the office hours:**

I am giving you high grade for not providing high feedback on time, also to motivate you to work better.

Grade: 10/10

Milestone 2 | 16Oct-27Oct

Fixes From the Milestone 1

You have managed to fix everything from Milestone 1.

Milestone 2

Overall the structure is not correct. According to the current status you have package named **etl**, and **fastapi** **empty** directory.

1. DB developer:

- Design the database using Star schema (provide ERD): **done**
- Insert Sample to data **done**

2. Data Scientist:

- Complete data generation/acquisition/research: **done**
- Select data from DB: **done**
- Insert data to DB: **done**
- It would have been better to collect all the csv files in one folder named **data**

3. API developer:

- Select data from DB **not done**
- Insert data to DB **not done**
- Update data in DB **not done**

4. Finish the second chapter of Datacamp course **done by everybody**

5. Finalize file/folder structure: relative imports must work properly **not done**

- docs folder: putting all the documents there **not done**
- models folder: putting modeling-related classes, functions **not done**
- api folder: api related stuff **not done**
- db folder: db related stuff **not done**
- initialize **__init__.py** files accordingly (see Datacamp assignment chapter 1 and chapter 2) **partially done**
- logger folder: I will provide this module **done**

I can see multiple contributors (Lilit and Artashes), however **Petros** as a Database developer hasn't done anything. Thus, **-3** points for him.

In order to improve you performance I would recommend:

- to approach the datacamp course seriously (it is obvious You are just taking the hints and completing it)
- start to work on group project before the deadline

Remember you are building a package, like in the Datacamp you must have following file structure:

```
| GitHubRepo
  | PackageName
    | SubPackage_1
```

```
    module1
    __init__.py
|SubPackage_2
    module2.py
    __init__.py
__init__.py
setup.py
example.py/ipy nb (from PackageName import SomeModule)
```

By the end of the 3rd Milestone you must **fix folders and their relationships**

If you manage to complete the above points by Friday(before the class) you will get **20/20**

Grade: **10/20**

Milestone 3 | 30Oct-19Nov

1. Complete things from *Milestone 2*: by fixing **done**
 - restructured, change the name of package from **etl** to a more meaningful name
2. Finish the **third** chapter of Datacamp course (please complete only the 3rd one) **done by everyone except Lilit Petrosyan**
3. **API Developer**:
 - Create a **run.py** file for an API (find the minimum workable example **here**) **note done, run.py must be out of the package, folder structure of an api directory is wrong. api is yet another module in your package**
 - Test it on swagger **done**
 - following request types must be available to test (GET, POST, PUT), will provide more details on Friday. **done**
4. **DB developer**:
 - complete/fix the methods from **SQLHandler()** class **not done**
 - finalize the documentation for **schema.py** by using **pyment** package **not done**
 - finalize the documentation for **SQLHandler()** by using **pyment** package **not done**
5. **Data Scientist**: start working on modeling part, by selecting the date from SQL DB **not done**
 - we just need to run sample model and store the output to sql

Grade: 15/30

Milestone 4 | 26 Nov-6 Dec

1. Complete the missing things from Milestone 3
 2. Complete the Datacamp course
 3. Add model module
 4. Test externally
 5. Complete the documentation
 6. On monday after the class, visit to my office, in order to discuss your progress
-

Optional for Milestone 4 , mandatory for group project:

1. Create an `example.ipynb` file and implement all the functionality of the package (make shure to make do it chunk by chunk, in order to convert it `reveal.js presentation). This is going to be part of the demo
2. As soon as you finish the documentation us `Mkdocs` in order to generate docs.html file, which is going to be hosted on GitHub
3. publish you package to `pypi.org`