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Feedback | Group 4

Milestone 1 | 20Oct-13Oct

FEEDBACK FOR MILESTONE 1 | Group 4

1. ****Define the problem: **** **done**
 - Well defined!
2. **Finalizing roles:** **done**
3. **Create a product roadmap and prioritize functionality (items)** **done**
 - I really liked the roadmap and the set of tasks you are going to receive from me almost the same as in your roadmap
4. **Creating the GitHub repository included readme.md and .gitignore (for Python) files:** **done**
5. Create a virtual environment in the above repo and generate requirements.txt (venv must be ignored in git) **done**
6. Push *point 1, point 3, point 5 (requirements.txt). **done**
7. Complete the first chapter of Developing Python Packages **done**
 - Completed by everyone (except Vahagn Tovmasyan **(-3 points)**)
8. Create a private Slack channel in our Workspace and name it Group-{number} **done**
9. Schedule a call with me and Garo or come during office hours. **done**

Continue, according to the roadmap and also add the tasks for milestone 2 required by me,

Grade: 10/10 Good job!

Milestone 2 | 16Oct-27Oct

Fixes From the Milestone 1

Fixes were not required!

Milestone 2

1. DB developer:

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

2. Data Scientist:

- Complete data generation/acquisition/research: **done**
- Select data from DB: **done**
- Insert data to DB: **done**

3. API developer:

- Select data from DB **not done**
- Insert data to DB **not done**
- Update data in DB **not done**
- **api module must be inside of the package; I cannot see your package structure(just change the name etl to a relevant name). See, the etl folder is structured as package, meaning that you should move api folder there with corresponding __init__.py**

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

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

- 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) **not done**
- logger folder: I will provide this module **done**

I can see multiple contributors

In order to improve your performance I would recommend:

- 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/ipybn (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: 15/20

Milestone 2 | Revision

You have managed to fix all the requirments on time.

The things to fix though:

- `FillTables.py` must be out of the package (see above structure)
- Just change the name of the packaage and instead of `how_to_use.txt` update `readme.md` file.

Revised Grade: 20/20

Milestone 3 | 30Oct-10Nov

1. Complete things from *Milestone 2* **done**
2. Finish the **third** chapter of Datacamp course (please complete only the 3rd one) **done by everyone**
3. **API Developer:**
 - Create a **run.py** file for an API (find the minimum workable example [here](#)) **done**
 - 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 **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 data from SQL DB **done**
 - we just need to run sample model and store the output to sql
 - **instead of** `table_names = ['State', 'PlanDetails', 'DayUsage', 'EveUsage', 'NightUsage', 'IntlUsage', 'CustomerMetrics']`, **provide it a an argument, in order to make it dynamic**
6. With **product manager** Work on application scenarios and come up at least two use cases. **done**

Grade: 25/30

Milestone 4 | 26 Nov-6 Dec

1. Complete the missing parts from Milestone 3
2. Try to make it as general as possible
3. provide an example notebook file (`example.ipynb`) which will do:
 - data prep and ingestion with short explanation
 - modeling part with short explanation
 - running the api code
 - try to use short chunks in order to convert it later `reaveal js` presentation for the demo.
4. finish documentation for all
5. use `MkDocs` to generate html documentation (optional for this milestone, mandatory for group project)