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Feedback | Group 5

Milestone 1 | 2Oct-13Oct

1. **Define the problem:** done
   - Well defined!
2. **Finalizing roles:** done
3. **Create a product roadmap and prioritize functionality (items)** partially done
   - In the roadmap, I found the term dashboard a couple of times. Are you going to build a dashboard?
   - We have an API developer Db developer, while you have mentioned Back-End and Front-End
   - there is a need to fix this (I have posted tasks for Milestone 2 you can use them as well)
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 completed by everyone
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: 8/10 Good job!

Milestone 2 | 16Oct-27Oct

Fixes From the Milestone 1

Fixes were note required!

Milestone 2

Overall you did an excellent job!

Inside of the package you cannot have `ipynb` (data_generator.ipynb) files

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
3. **API developer:**
   - Select data from DB done
   - Insert data to DB done
   - Update data in DB done
   - I would recommend using `SQLHandler()` for crud, in order to avoid redundant functions.
4. Finish the second chapter of Datacamp course done by everyone
5. Finalize file/folder structure: relative imports must work properly done, just remove notebook file
   - docs folder: putting all the documents there done
   - models folder: putting modeling-related classes, functions done
   - api folder: api related stuff done
   - db folder: db related stuff done
   - initialize `__init__.py` files accordingly (see Datacamp assignment chapter 1 and chapter 2) done
   - logger folder: I will provide this module done, try to use them in your py files
   - `basic_clv.py, convert.ipynb,model.py` must be out of the package, in your case out of CLV folder

I can see multiple contributors!

Grade: 20/20

Milestone 3 | 30Oct-10Nov

1. Finish the **third** chapter of Datacamp course (please complete only the 3rd one) done by everyone
2. **API Developer:**
   - Create a `run.py` file for an API (find the minimum workable example here). You have already done this
   - Test it on swagger You have already done this
   - following request types must be available to test (GET, POST, PUT), will provide more details on Friday. You have already done this
3. **DB developer:** You have already done this, complete all the methods
   - complete/fix the methods from `SQLHandler()` class
   - finalize the documentation for `schema.py` by using `pyment` package done
   - finalize the documentation for `SQLHandler()` by using `pyment` package done
4. **Data Scientist:** start working on modeling part, by selecting the data from SQL DB
   - we just need to run sample model and store the output to sql done
5. **Product Manager**
   - since you have partially done 1-3 points, concentrate on the application scenario done

Grade: 30/30 Good Job!

Milestone 4 | 26 Nov-6 Dec

1. Complete the Datacamp course
2. 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
3. As soon as you finish the documentation us `Mkdocs` in order to generate docs.html file, which is going to be hosted on GitHub
4. publish you package to `pypi.org`

Final Feedback

Group Project Scope

- Finding a Marketing related problem
- Understanding the methodology of the analysis
- Building a Python package with following mandatory modules:
  - Predictive Model (component)
  - DB
  - API
  - Logging (provided by me)
- Post to `Pypi.org`

Submission format

In the Github Repository, the following structure must be available

```
| GitHubRepo
    | Docs
    | PackageName
        |SubPackage_1
            modlule1
            __init__.py
        |SubPackage_2
            module2.py
            __init__.py
        __init__.py
        utils.py
    other files (.gitignore, *config files)
    readme.md
    requirements.txt
    setup.py
    example.py/ipynb (Demonstrate all the funcionality)
```

Submision format is correct.

Grading Methodology

Group Project is going to be graded according to the following poins:

1. **Topic Relevancy:** matched and correctly demonstrated
2. **Team Work:** I can see the contrubtutions from each member
3. **Availability of Documentation:** Perfect
   - Description of each `function()/method()`:
     - Parameters: description/docstrings
     - Returns: what do you expect as a return?

    - Description of Classes:
        - Use *dunder methods:* `__repr__`, `__str__`, for nice Class formulation
        - Describe the class
    - converting into a webapp using `mkdocs` or any alternative
4. **The code must run without any errors:** OK
    - logical
    - syntax
    - runtime error
5. **The availability of a Predictive Element** CLV
6. **Endpoints solving/touching the business problem** Done Great!
7. **Successfully hosted on** `Pypi` Done

Final Feedback

Technically you have done everything which was required.

Good job! Excellent teamwork!

I

Grade

- **Grade from the Milestones:** 98
- **Grade from the Presentation:** 300/300
- **Final Grade: 398**