Feedback | Group 5

Milestone 1

Problem Definition | 20 points

The problem is defined properly, and the structure was kept. Here you can find a spyur scrapper.

- Broad Area of Interest
- Preliminary Research
    - Current trends
    - Opportunities
- Solution with Methodology
    - Data Collection
    - Analytical Techniques
    - Implementation Plan
- Expected Outcomes
- Evaluation Metrics

Grade: 20

Roadmap | 10 points

The roadmap seems realistic but not user friendly.

Grade: 10

Administrative Tasks | 5 points

- Roles are assigned
- Preliminary discussion with me was done
- Slack channel is create
- Github Repo is created

Grade: 5

Technical Tasks | 5 points

- Proper `.gitignore` file is available; however Python track wasn't selected
- The Requirments.txt file is available, indicating that `venv` was created
- The first chapter of the Package Development course is done by **everyone**

Grade: 5

Grade

Final Grade: 40/40

Milestone 2 | Tasks

Fix the problem statement from the first milestone.

Product and Project Manager | 40 points

1. Name your Python package: register to pypi
2. Install `mkdocs` package to start with the documentation
3. Database schema: Provide your product database structure (ERD)
4. Transform your project file structure according to the below tree

```
PythonPackageProject/ #githhub repo
├── yourpackagename/
│   ├── __init__.py
│   └── submodule1/ #database related
│       ├── __init__.py
│       └── submodule1_1.py
│   └── submodule2/ #model related
│       ├── __init__.py
│       └── submodule1_2.py
│    └── submodule3/ # api related
│       ├── __init__.py
│       └── submodule1_2.py
├── tests/
│   ├── __init__.py
│   ├── test_module1.py
│   └── test_module2.py
|── example.ipynb # showing how it works
|── run.py # in order to run an API
|── docs/ #this folder we need for documentation
|── .gitignore
|── requirments.txt
├── README.md
├── LICENSE
└── setup.py
```

Data Scientist and Data Analyst | 20 points

1. Simulate the data if you need
2. Try to use the CRUD functionality done by DB Developer
3. Work on modeling part using simple models

```
from yourpackage.submodule2 import modelname
```

Database Developer | 30 points

1. Create a DB and respective tables suggested by the Product Manager
2. Connect to SQL with Python
3. Push data from flat files to DB
4. Test the code provided here and complete the missing components
5. Add extra `methods` that you might need throughout the project:
    1. Communicate with PM and API Developer for custom functionality

```
from yourpackage.submodule1 import sqlinteractions
```

API Developer | 30 points

1. Communicate with DB Developer and PM in order to design the API
2. You can create dummy endpoints in the beginning, then communicate with PM as well
3. The following endpoints must be available:
    1. GET
    2. POST
    3. UPDATE

Check out this this repo.

```
from yourpackage.submodule2 import api
```