Wireframe Documentation

Credit Card Default Prediction

Home page

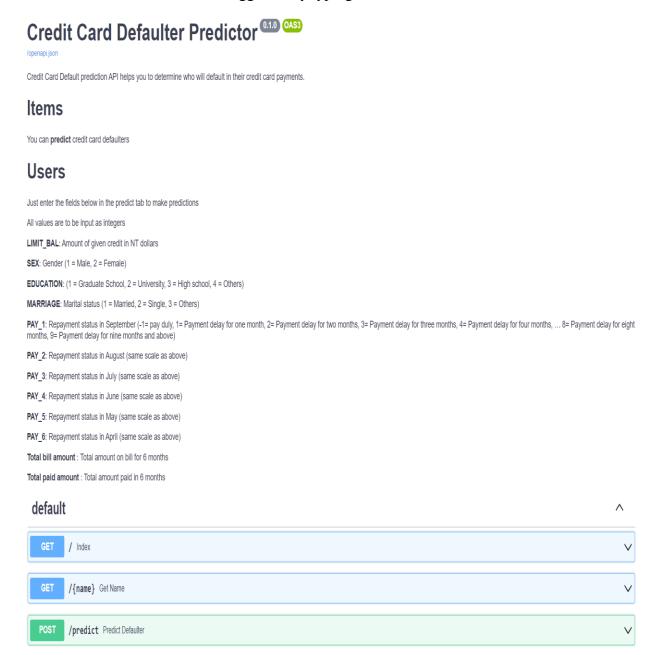
The model is deployed in FastAPI as an API and after running the link to the connection at 127.0.0.1:8000, the user is greeted with a home page as seen below

```
if name == ' main ':
   uvicorn.run(app, host = '127.0.0.1', port = 8000)
         Started server process [16252]
INFO:
INFO:
         Waiting for application startup.
INFO:
         Application startup complete.
         Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO:
```

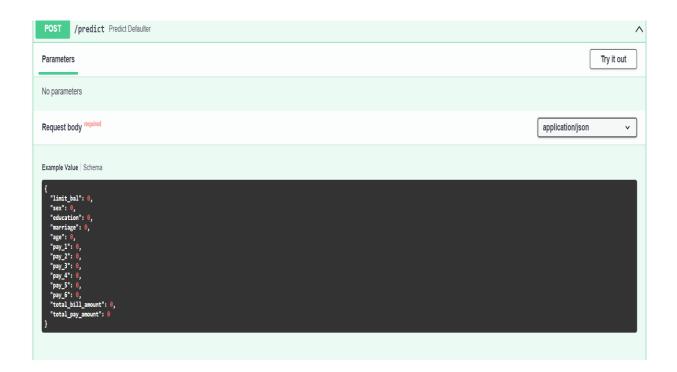
```
← → C ① 127.0.0.1:8000
{"Message":"Welcome to credit card defaulter prediction"}
```

Prediction Page

The link can be diverted to the Swagger UI by typing "/docs" at the end of the link



The user can start the prediction by selecting the predict pane and can input values so that the model can classify the customer as a defaulter or not



The values can be entered to the model by pressing on the "Try it out" button

```
Request body required
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 application/json
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ~
    {
    "limit_bal": 50000,
    "sex": 2,
    "education": 2,
    "marriage": 1,
    "age": 37,
    "pay_1": 0,
    "pay_2": 0,
    "pay_3": 0,
    "pay_5": 0,
    "pay_5": 0,
    "total_bill_amount": 231334,
    "total_bay_amount": 8388 }
}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     G
                                                                                                                                                                                                                                                                                                                               Execute
```

After pressing the "Execute" button, the model outputs the prediction below, and it can be seen that the customer is not a defaulter



The model can be used to make predictions again by re-entering the relevant values as seen below



The model again outputs the prediction and it can be seen that the customer is a defaulter.

