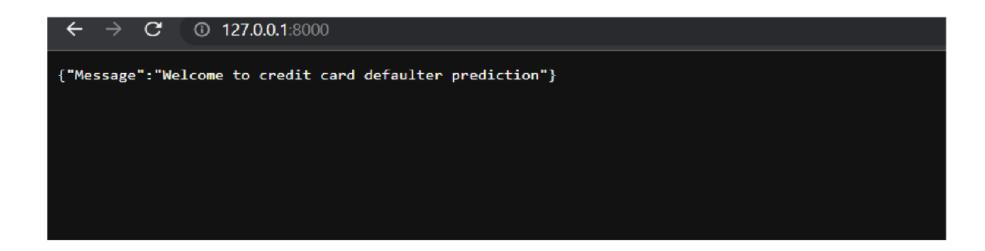
WIREFRAME

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)

INFO:    Started server process [16252]
INFO:    Waiting for application startup.
INFO:    Application startup complete.
INFO:    Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
```



PREDICTION PAGE

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

Credit Card Defaulter Predictor (0.1.0) (ASS)

/openapi.json

Credit Card Default prediction API helps you to determine who will default in their credit card payments.

Items

You can predict credit card defaulters

Users

Just enter the fields below in the predict tab to make predictions

All values are to be input as integers

LIMIT_BAL: Amount of given credit in NT dollars

SEX: Gender (1 = Male, 2 = Female)

EDUCATION: (1 = Graduate School, 2 = University, 3 = High school, 4 = Others)

MARRIAGE: Marital status (1 = Married, 2 = Single, 3 = Others)

PAY_1: Repayment status in September (-1= pay duly, 1= Payment delay for one months, 2= Payment delay for two months, 3= Payment delay for three months, 4= Payment delay for four months, ... 8= Payment delay for eight months, 9= Payment delay for nine months and above)

PAY 2: Repayment status in August (same scale as above)

PAY_3: Repayment status in July (same scale as above)

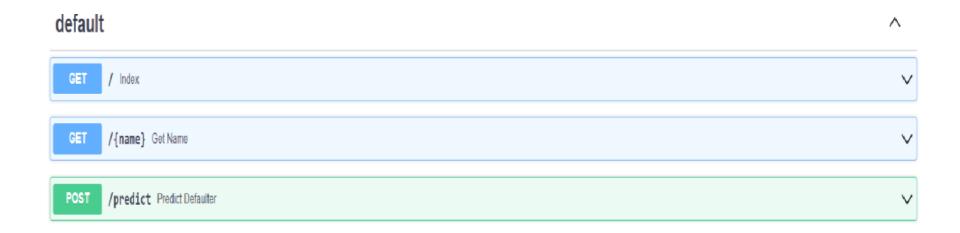
PAY 4: Repayment status in June (same scale as above)

PAY_5: Repayment status in May (same scale as above)

PAY_6: Repayment status in April (same scale as above)

Total bill amount: Total amount on bill for 6 months

Total paid amount: Total amount paid in 6 months



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.



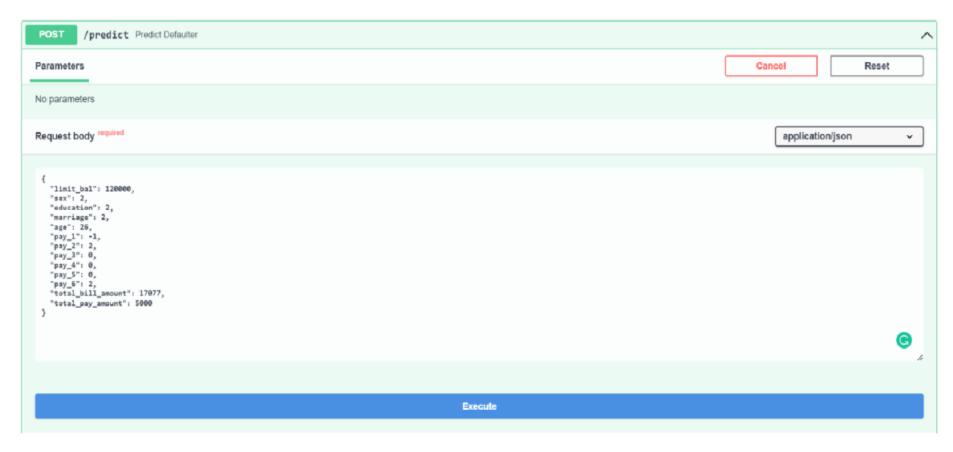
The values can be entered to the model by pressing the try it out button.

```
Request body required
                                                                                                                                                                                 application/json
                                                                                                                                                                                                              v
   "limit_bal": 50000,
"sex": 2,
   "education": 2,
   "marriage": 1,
   "age": 37,
   "pay_1": 0,
   "pay_2": 0,
   "pay_3": 0,
   "pay_4": 0,
   "pay_5": 0,
   "pay_6": 0,
   "total_bill_amount": 231334,
   "total_pay_amount": 8388
                                                                                                     Execute
```

After pressing the Execute button the model outputs the prediction below.



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



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

