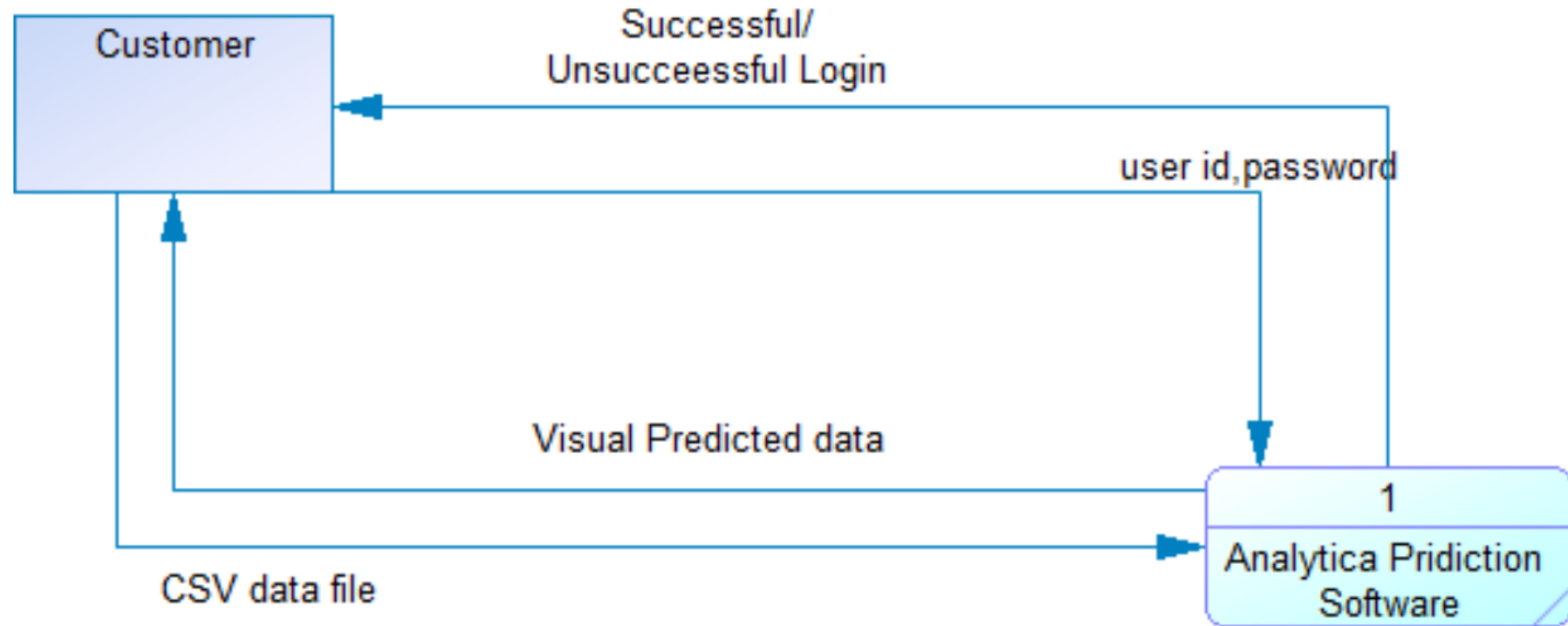


ANALYTICA

Taking Wise Decisions



Context Diagram



Functional Summary

(User Stories)



1

As a user, I want a safe and secure online payment system to pay in-app purchases.

2

As a user, I want highly visualized output of my analyzed data.

3

As a user, I want optimized analysis of my several inputs

4

As a user, I need to know remaining days left in my premium

5

As a user, I want feedback section in software to express my user experience to software.

6

As a user, I want to view past analysis of my user inputs.

Functional Summary

(User Stories)



7

As a user, I want to know the best subscription suitable for my usage

10

As a novice user, I want clean and user-friendly interface

8

As a user, I want some guidance from experts to analyze my data and help me make decision

11

As a user, I want high security of my stored data

9

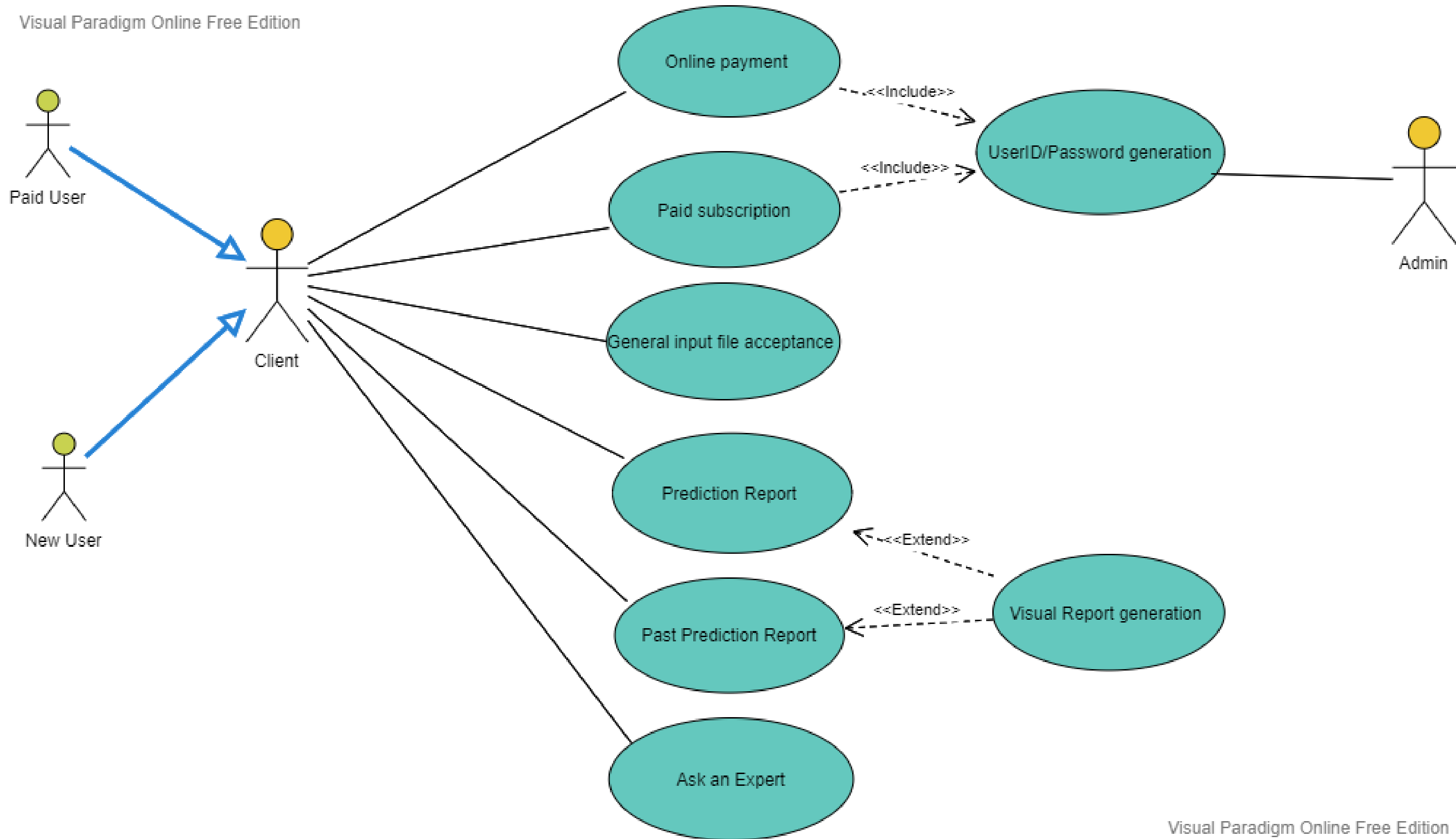
As a user, I want customer support in case I face some technical problems.

12

As a user, I want the application to remember me for a while after login.

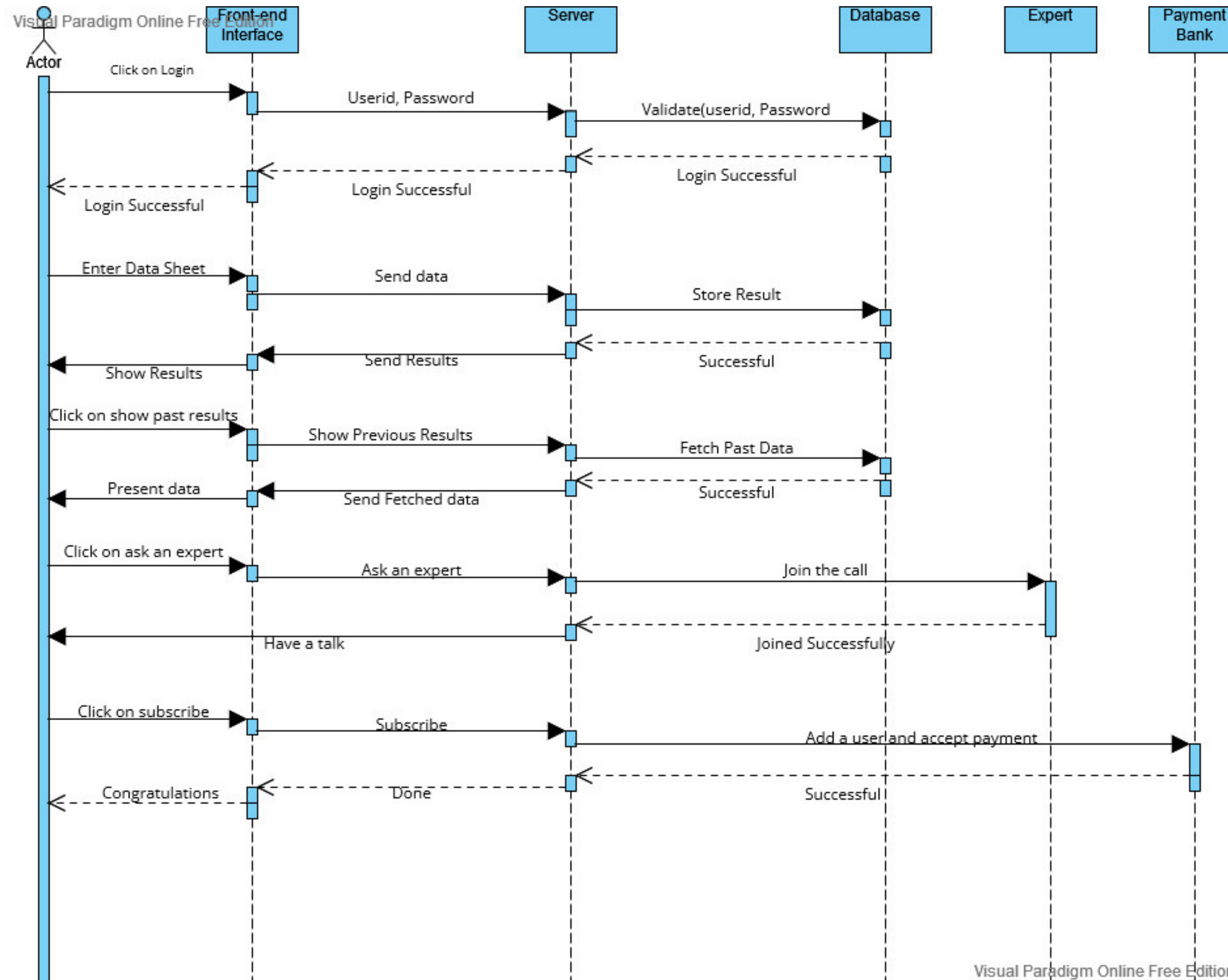
Top Level Use Case Model

Visual Paradigm Online Free Edition

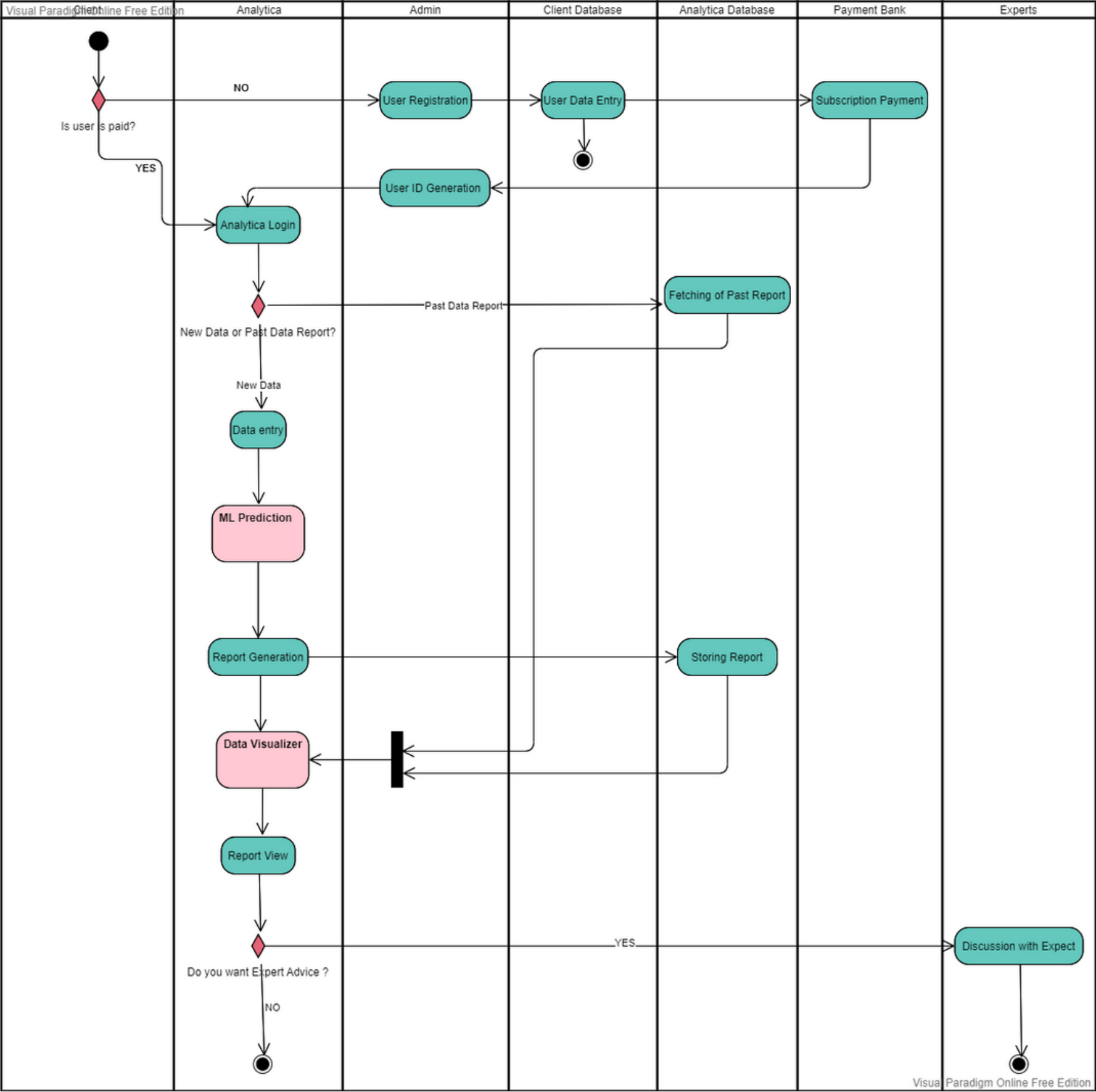


Visual Paradigm Online Free Edition

Sequence Diagram

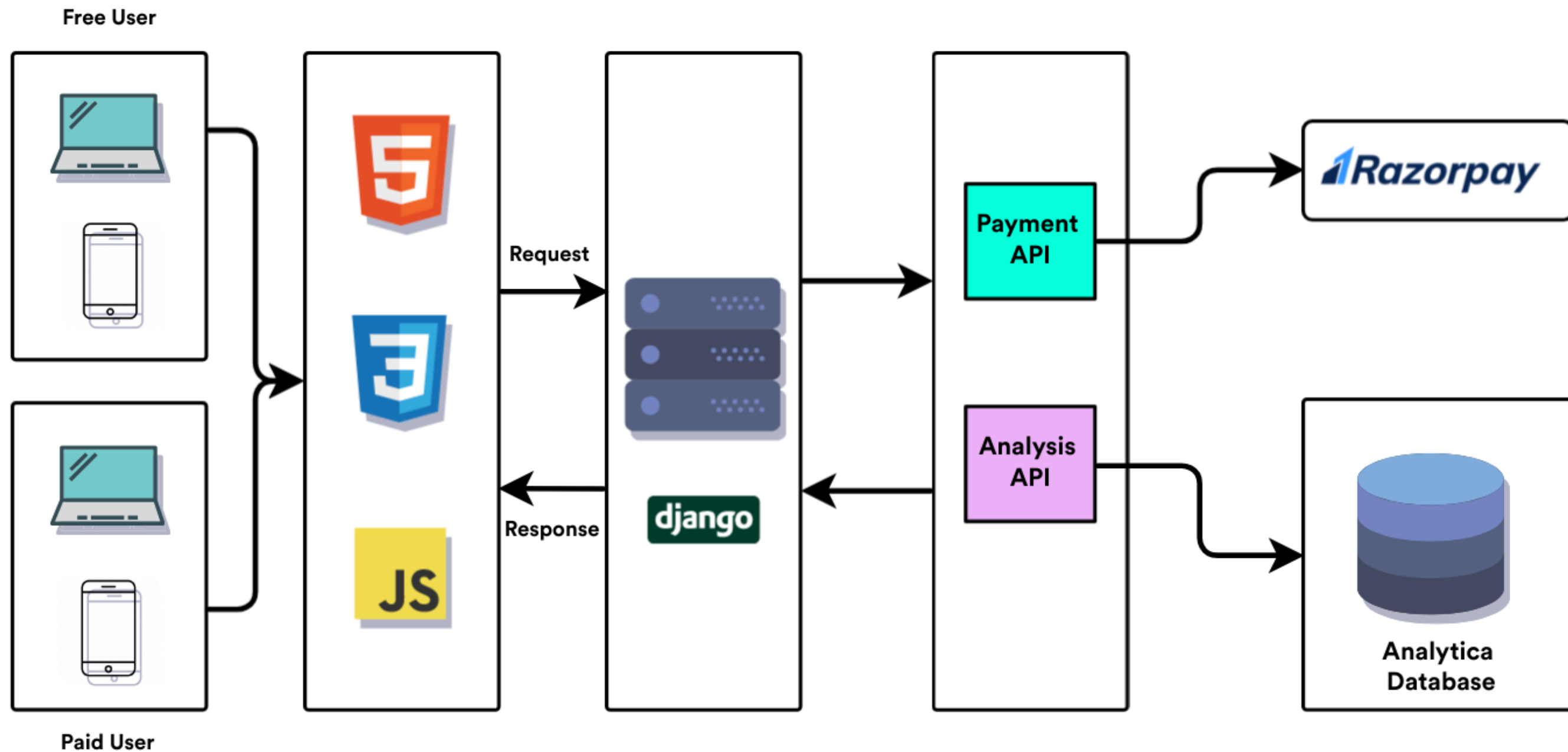


Activity Diagram



Application Architecture

ANALYTICA - Application Architecture



Technologies / Tools and Libraries

Front End

HTML



CSS



JS



B



Back End



pythonTM

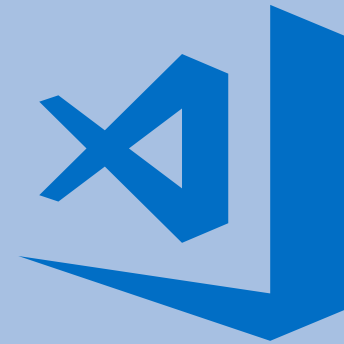
django

Technologies / Tools and Libraries

Database



Tools



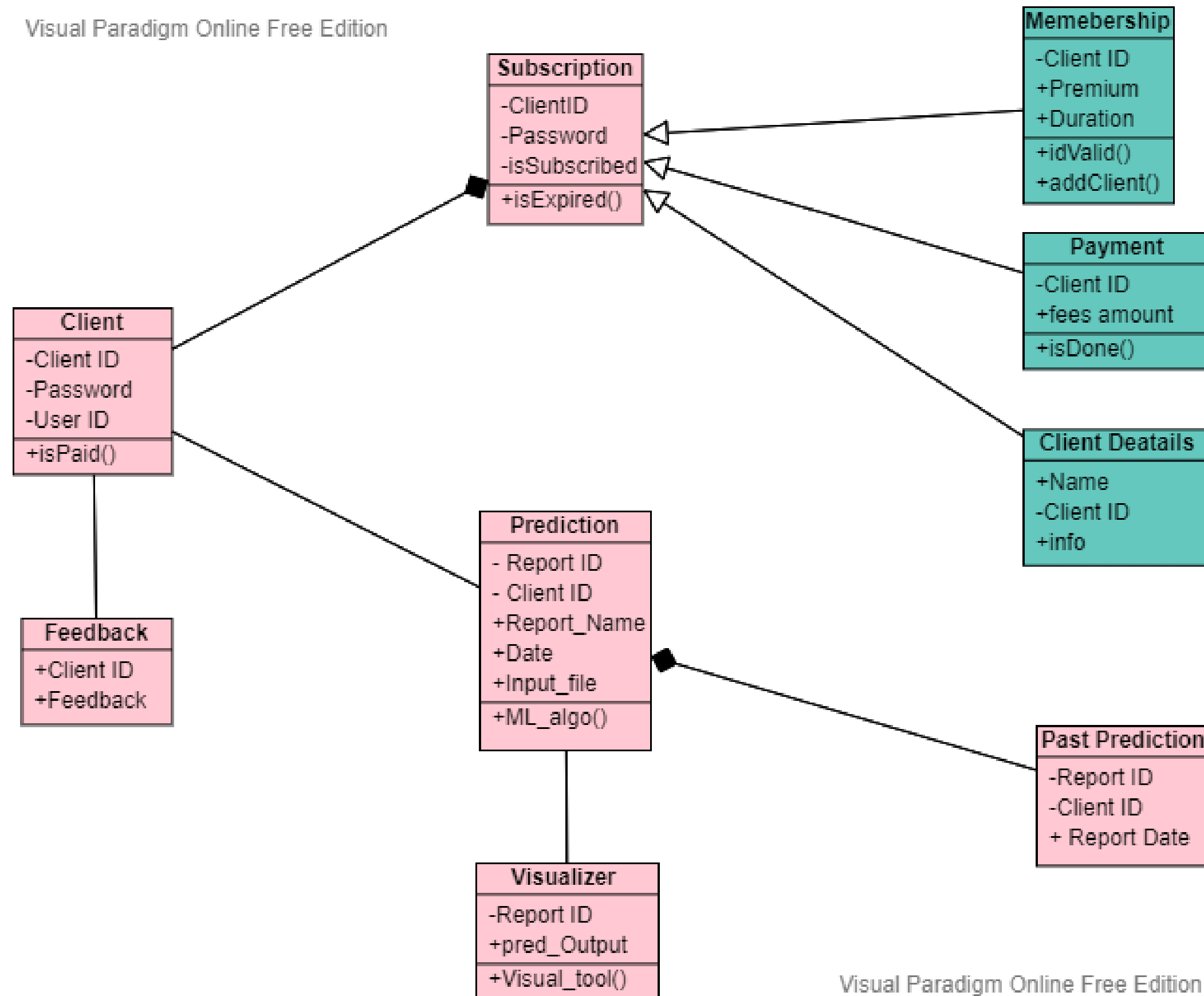
github

Google

colab

Class Diagram

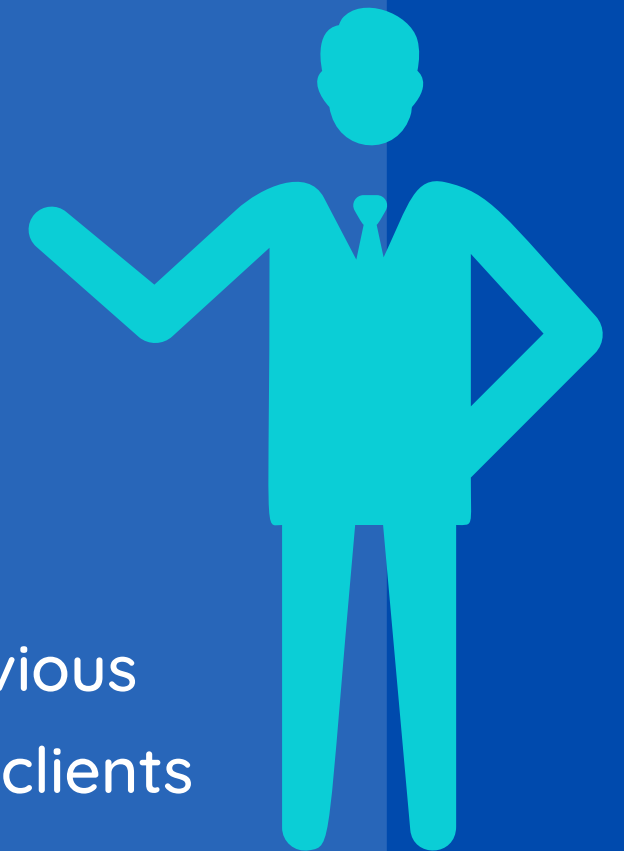
Visual Paradigm Online Free Edition



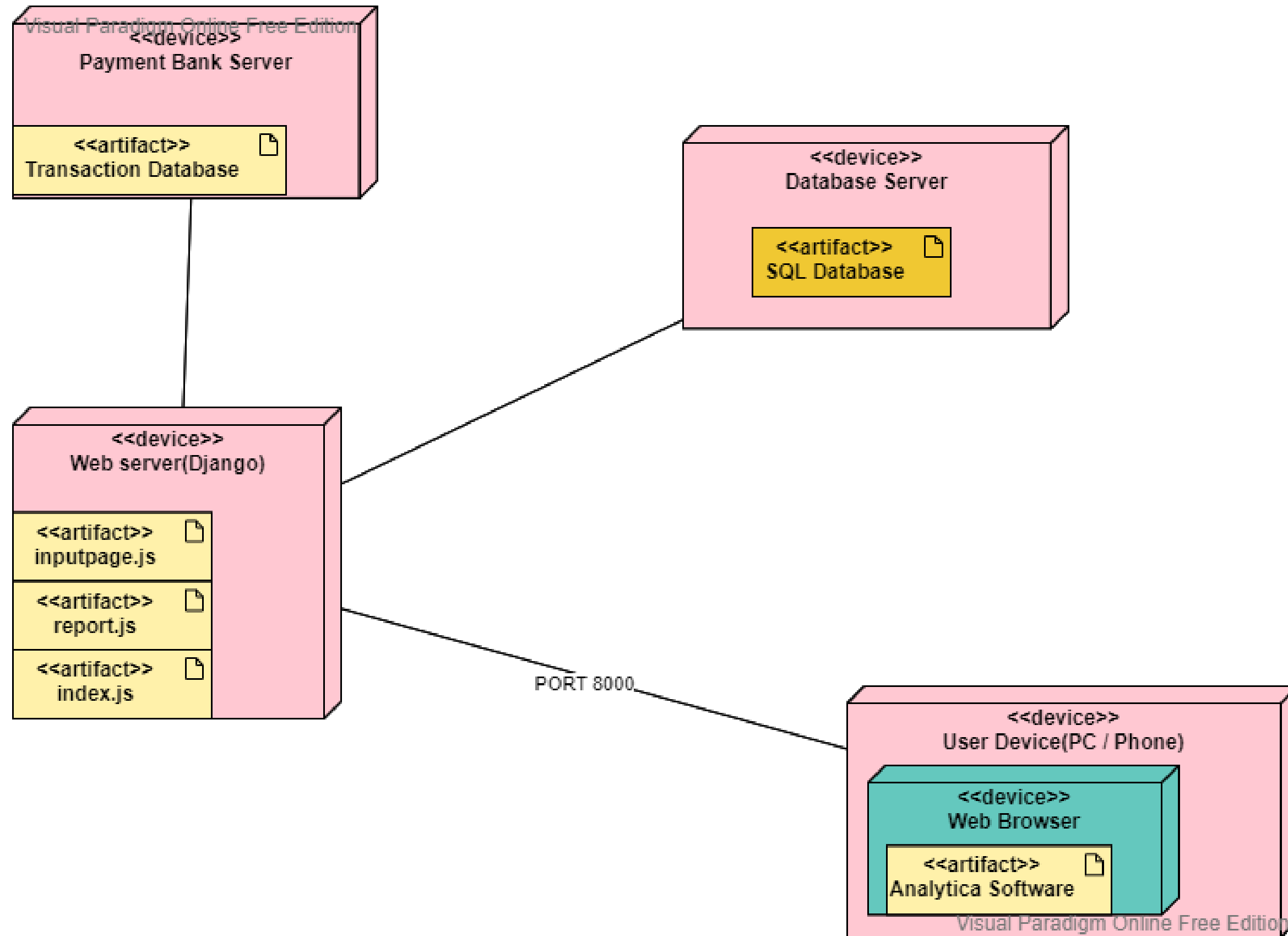
Visual Paradigm Online Free Edition

Summary of Implementation

- The Front-end code for the project has been written in Javascript. We have used HTML for structuring web pages and CSS for styling.
- Our main algorithm (ML) is implemented in the python language. We are using Django at the backend side so that we can integrate machine learning very easily with Javascript . Note that our front-end is actually a templates for the django.
- We have implemented the following features-
 - User-Friendly Home page with Dashboard
 - General input acceptance with drag and drop file feature
 - Simple view generation of the results (Business Strategy)
- For the future version, we can add features to generate a performance matrix of the previous results. We are also looking to integrate it with payment banks to accept payment of the clients through online mode.



Deployment Diagram





Individual Contribution

201901020

Kamal Tulsiyani

UI/UX

Front-End

Documentation

201901050

Meetkumar Mungra

Team Management

User Story

Back-End

201901131

Bhavya Solanki

Research

Testing

Documentation

201901134

Gautam Ajugiya

Back-End

Analytica Diagrams

Testing

201901170

Shyam Butani

Front-End

Documentation

Debugging

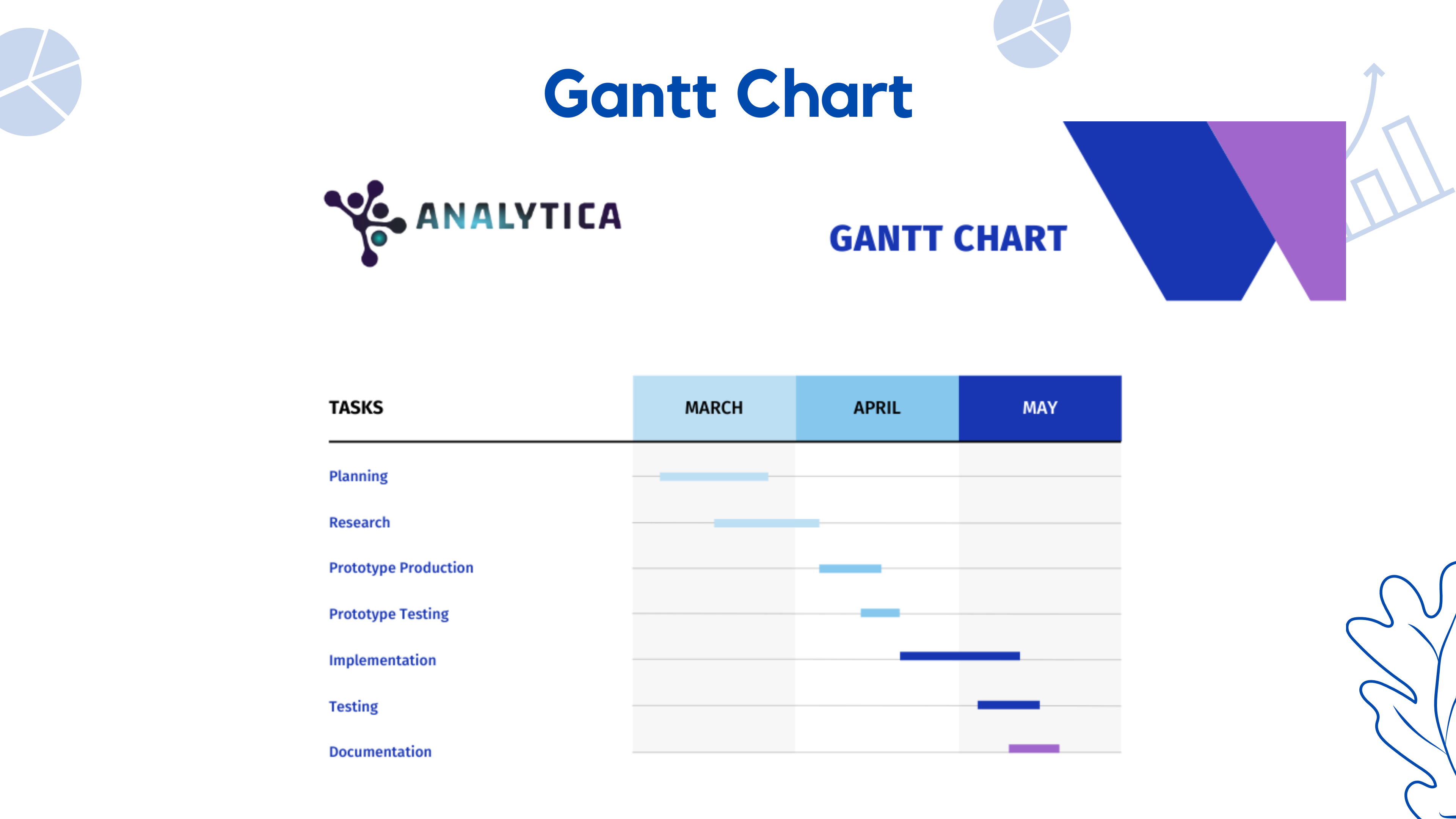
201901288

Vin Patel

Planning

Implementation

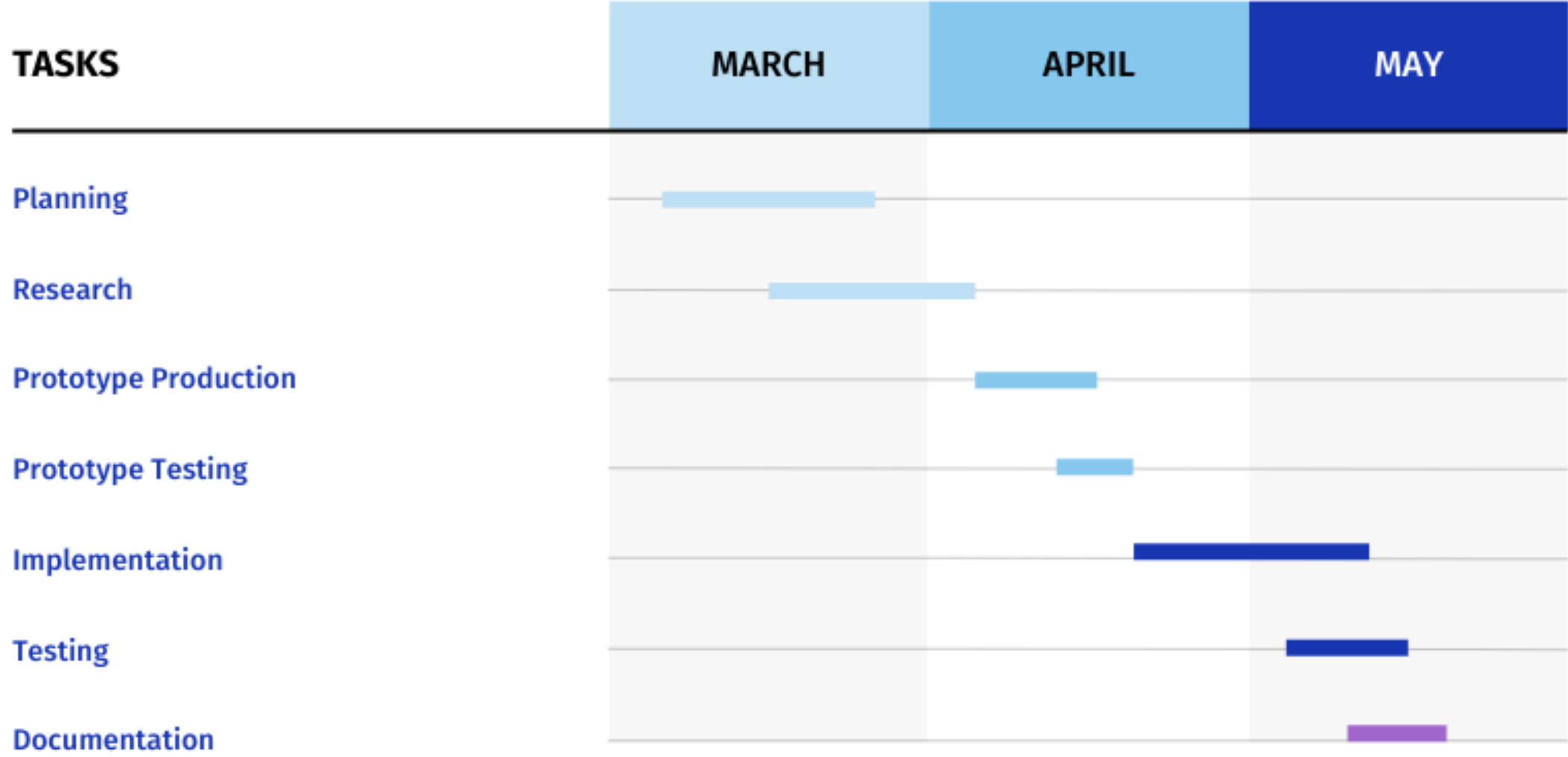
Testing



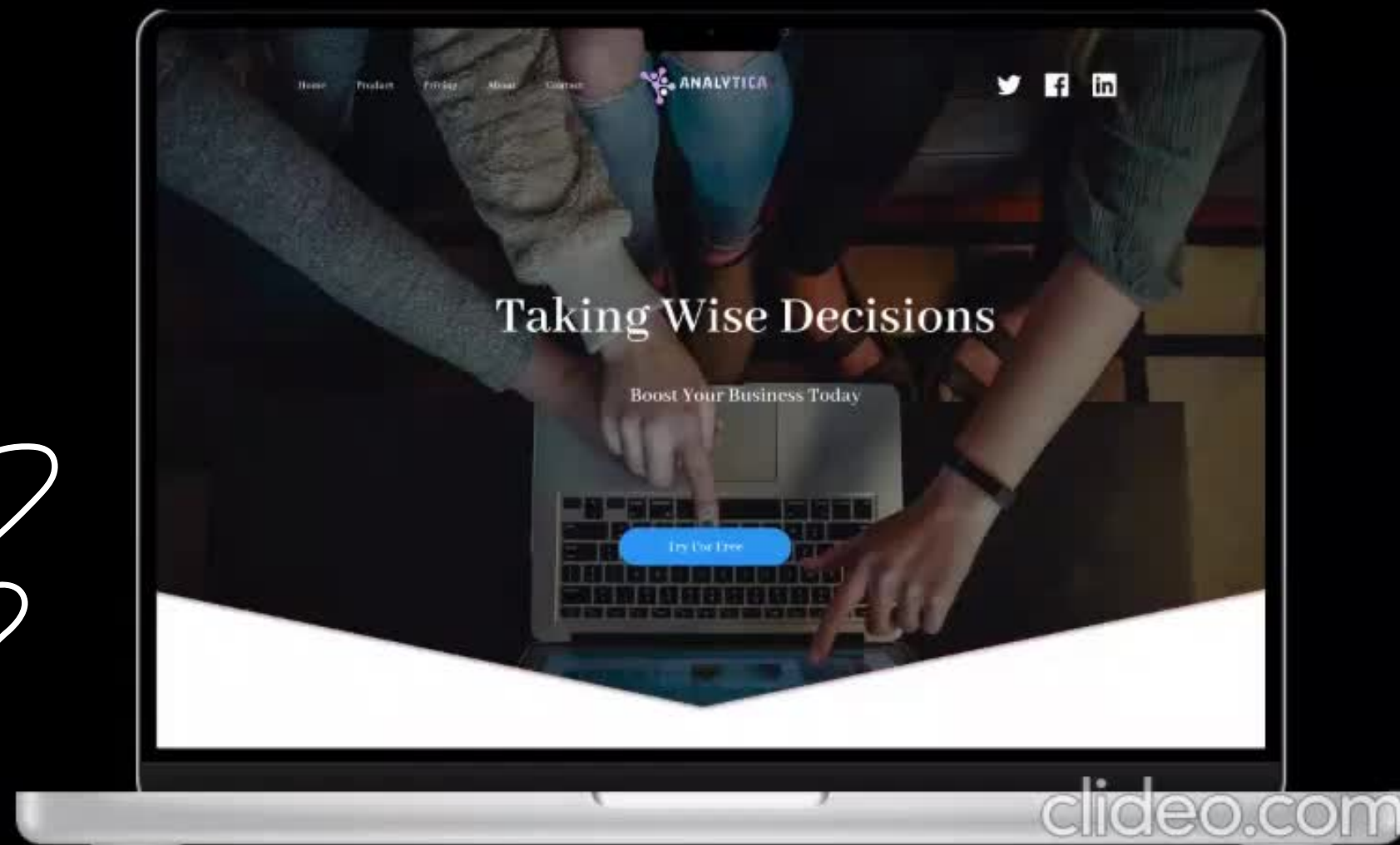
Gantt Chart



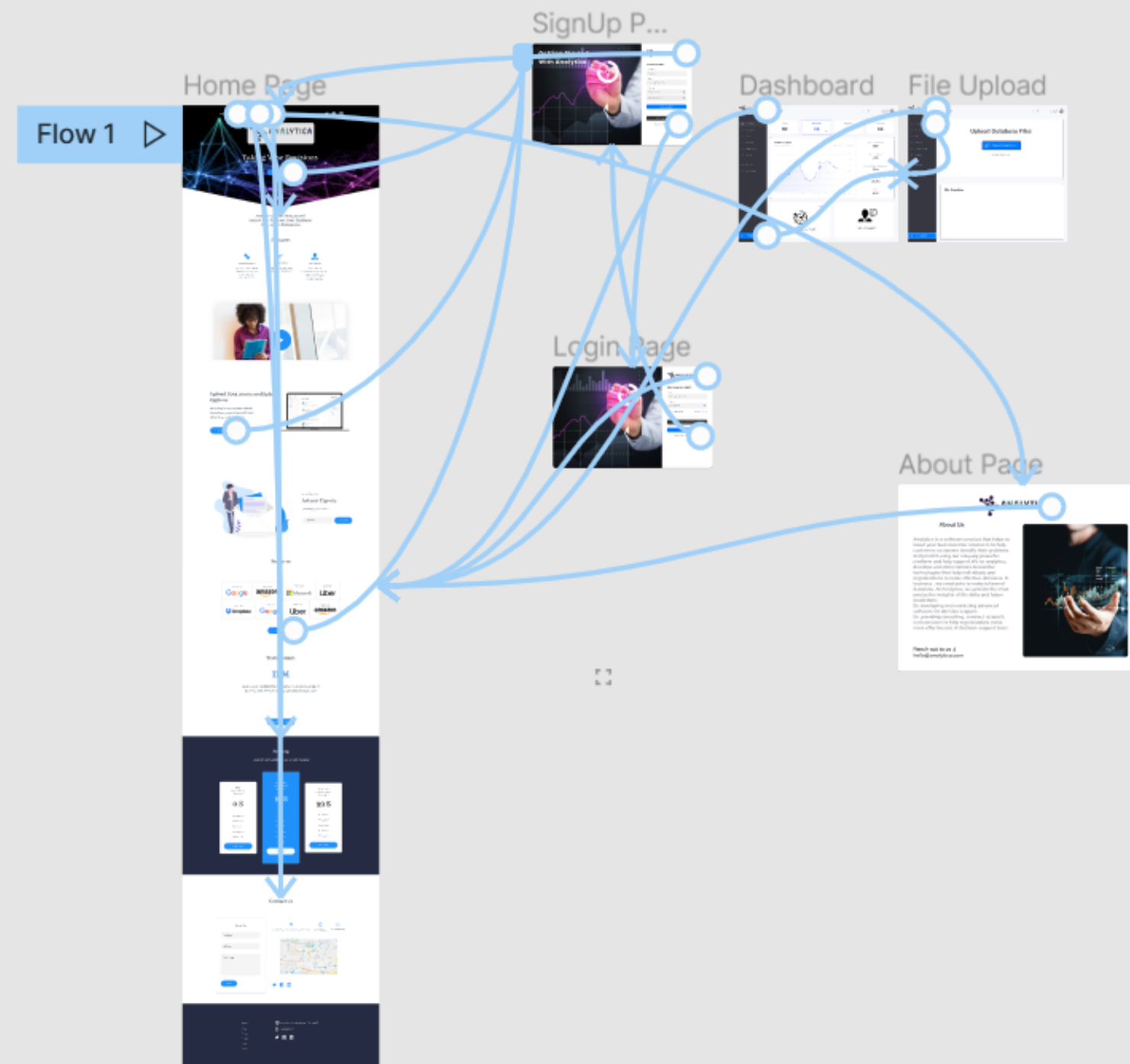
GANTT CHART



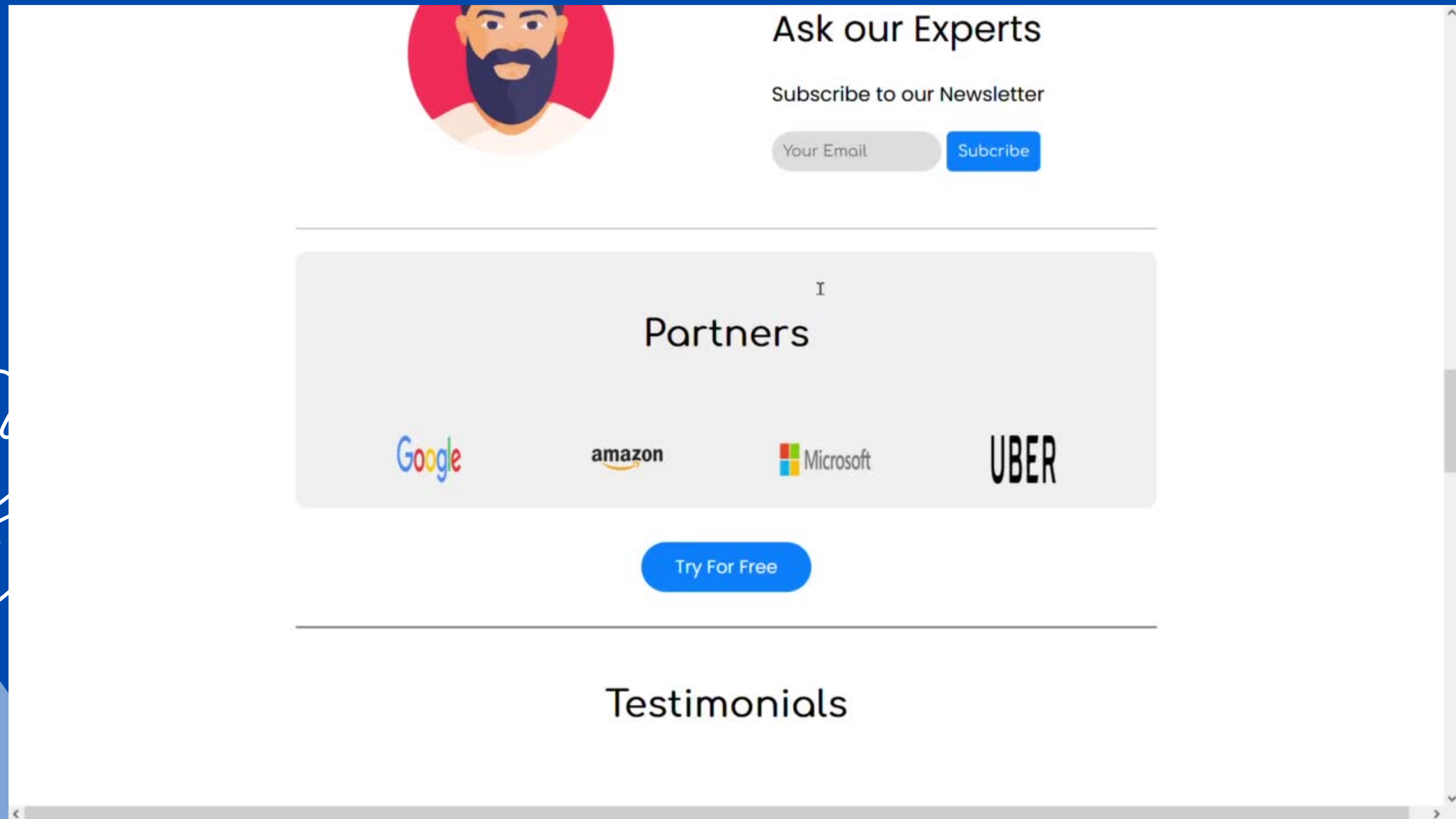
Application Navigation - Proposed



Application Navigation - Prototype



Application Navigation - Implemented



Test Plan

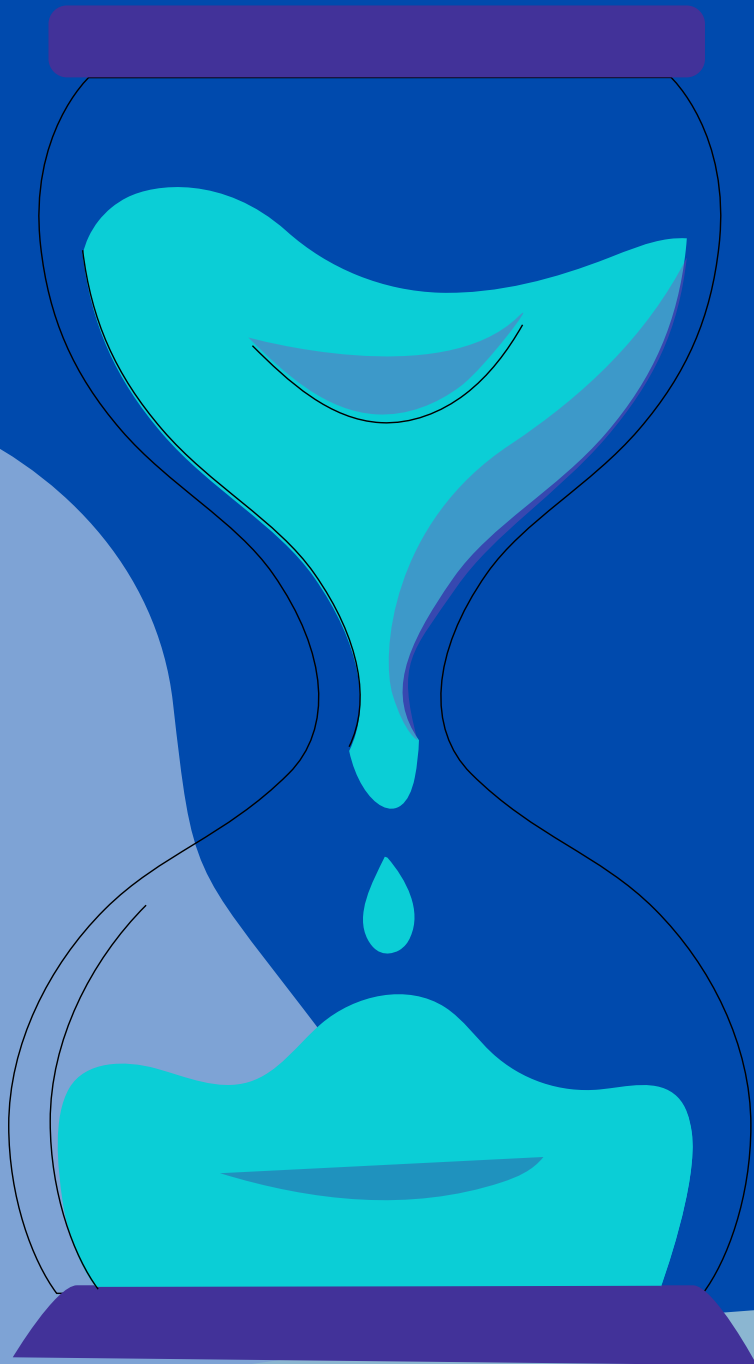
- Few different id passwords for login feature testing
- Dummy data generated from website is used as test cases for strategy report generation feature
- Dummy transactions is performed for online payment verification

i. Module Integration

- The whole flow is tested with a dummy user (virtual user)

ii. User Interface Integration

- Prototype testing is done for user interface validation
- Different selected users performed prototype testing



Thank You

