# Use Cases Description

**UI Overview**

The app consists of four parts: Data Entry, Analytics Dashboard, Calling Operations, Model Controls. Also, there will be the app logo on the top left corner and the user name shown on the top right corner.

**Use Case: A user has a set of potential clients he/she wants to initiate a phone call campaign on.**

The user will first login in through the login page, if he/she does not have an account, this user should register for a new one.

After entering the correct credential, he/she will be led to the Data Entry page where he/she uploads his/her data. By clicking the "Upload File" button, this user's data will be uploaded to his/her personal repo and our cloud database. Upon upload, the dataset is automatically fed to the pretrained machine learning model.

The user then will check the predictions on the Calling Operation Page. He/she can also click on a specific piece of data to check it. If the user wants to download the result to local storage, he/she can simply click the "Download" button right next to the campaign name.

**Use Case: A user wants to analyze how different factors affects the campaign's outcome**

The user will first login in through the login page, if he/she does not have an account, this user should register for a new one.

After entering the correct credential, the user will be led to the Analytics Dashboard page. There are 7 fixed double bar charts that represent the relationships between campaign outcome and different client attributes. The user could take a picture of a sub graph, zoom in/out for a specific area by simply clicking the small widget tools at the bottom of the sub graph. The user could hover the cursor over a subgraph and see the label details.

Further if the user wants to investigate the inter-relationships between user attributes, then simply add a customizable graph by clicking the "+" button. The user could specify the title, xaxis and yaxis.

**Use Case: A use wants to alter some setting of the ML model to best fit his/her needs**

The user will first login in through the login page, if he/she does not have an account, this user should register for a new one.

He/she will input prefered settings for the model configuration. After submitting the changes, the user will click "start train" to generate a new model.