1.log in & sign up

With sign up and authentic options, the customer will set up a new account with some email box and verification codes.

Then the customer will log in with the account he/she has set up.

Our database will record the customer’s information.

2. customize the result

To get the suitable results for the specific company, customers need to choose the way of presentation. 3 ways are provided: 1. Simplified analysis 2. Loan feasibility analysis. 3. Deep analysis. However, since our project is still in the works, the 3rd section- deep analysis hasn’t been developed yet.

3.get the data from the customer

Then the customer needs to upload the information in the form of \*.xls so that the backend can identify, process and store the data.

4. Functions1- simplified analysis

After the uploading of financial data for 1 year, we read the sheets files and return the results. The results include visual charts compared with the average of the industry and detailed analysis of original data.

5. Functions2- Loan feasibility

After the uploading of financial data for 3 years, we read the sheets files and return the results.

The results include visual charts and detailed text analysis of certain financial indexes. We will also return the loan possibility score and text explanation of rating.

6. Backend management

The application needs to administrate the user account. When the visitors load their account and access the database, the management system should identify it. The database should be encrypted in a TDE. It will have the function of data recovery.

The fundamental functions of database can be achieved by backend like: search, delete, change, search.