

# Functional Requirement Document

## Document Revision History

Version	Date	Author(s)	Reviewer(s)	Description
1	21/06/2022	Vidyalaxmi Singh		FRD

## Project Description

### Introduction

POWERANALYSIS is an augmented analytics platform that uses ML and AI processes to analyze data. Generates actionable intel and actions from the data, based on best practices and industry standards by importing users' data to improve their business performance.

### Purpose

The purpose of this platform is to automate the manual process of analyzing the data, generating reports, and enhancing data insights with the most significant recommendations to increase productivity and to improve business performance at an affordable price for SMEs and SMBs.

### Scope

The platform should provide the business to easily aggregate data, automate challenging analysis methods and turn data into insights through auto visualization. The motive of this platform is to make quicker and more efficient decisions with excessive efficiency.

## Acronyms & Abbreviation

## Functional Requirement

- Functional Requirement List

Functional Req. ID	Functional Name	Functional Requirement Description	Business requirement step
FR 1.1	Signup	The system must provide the options of signup to the user.	2.1
FR 1.2	Email Verification	The system must send the verification link on user's mail id to verify the account.	2.2

FR 1.3	Login	The system must support the other platform's login or the traditional login method using mail-id & Password to the user.	1.1
FR 1.4	Forgot password	The system must display the 'Enter mail id' on the screen to send a code/ link on mail to reset the password.	1.2
FR 1.5	Home page	The system must display the components inside the welcome page to the user along with their name. Home page will be static for all the user.	3
FR 1.5.1	Header Section	The system must display the dropdowns and profile option in the header section	
FR 1.5.2	Main Section	The system must display the packs and features inside the main body of home page	
FR 1.5.3	Footer section	The system must display the related information and contact support information inside the footer section.	
FR 1.6	Subscription	The system must display the subscription plans to user when he clicks on any non-subscribed pack.	5
FR 1.7	Profile Page	The system must display the profile page with all the necessary details of the user with other options.	3.2
FR 1.8	Manage account	The system must display the manage account page which will contain options such as upgrade subscription, Buy new pack, license, access, etc.	3.3
FR 1.9	Menu	The system must display menu in the left side of the home page.	3.4
FR 2.0	Financial Pack	The system must allow the user to analyse financial dataset and view the dashboards, reports and generated data insights in financial pack.	
FR 2.1	Import Process	The system must follow specific ETL process to extract, transform and store the user's data.	

## FR 1.1 Signup Page

Gather all the customer Information. The list of information which can be useful are:

1. First Name
2. Last Name
3. country
4. Password
5. Confirm Password
6. Phone Number
7. Email ID
8. Company name

**Note:** All the Fields are required

### Validation for fields:

1. Email
  - Validate the mail ID
  - Invalid Email will be like: without @, without domain, with spaces, without '.'. In such cases the user should be prompted to enter a valid email address and the user shouldn't be signed up.
  - make sure the domain exists.
  - If user has entered valid email addresses and then click on signup then user should be registered successfully.
  - If the email is valid but already existing then user should not be signed up and prompted to login instead.
2. Password
  - It should have alphanumeric with a upper case letter, Length should be 8 to 16 and also should contain a special.
  - Password should not be of less value than the minimum or more than characters specified. Enter a password of less than 8 characters or more than 16 characters and then click on signup. The user should see a message to enter a value between 8 to 16 characters and shouldn't be signed up.
  - Neither the username nor the user's full name may be contained in the password
  - Entered an alphanumeric password between 8-16 characters and a special character. It should not give any error and signup should be successful.
3. Phone Number: Phone Number should have only Numbers, Country code is required
  - Element inside the field should be numeric. Since, it's a number field so it should show an error and ask user again to enter the correct phone number if the data type is not numeric.

- If entered a valid number and clicking on signup. The user should be registered successfully.
- There should be a drop-down present which will consist country with respective country code. User must not get any error message on that.
- Verify the mobile number by sending an opt

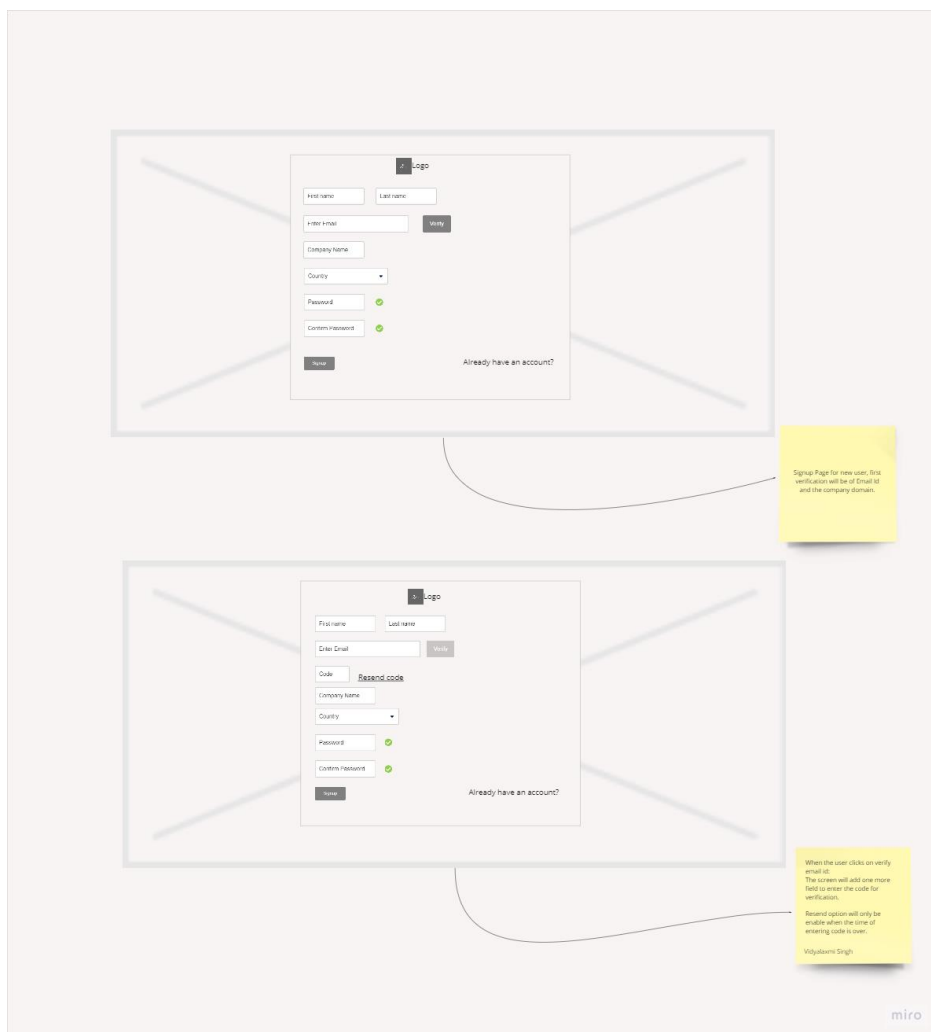
After successful Verification of the fields,

Ask the user to verify the Email address by sending a verification code over the mail.

## User Interface

1. Tab functionality should work fine. Signup tab should navigate between the fields.
2. Enter button should act as a substitute for click on signup button and the user should be successfully signed up on pressing enter.

## Screen Interface



## **FR 1.2 Email Verification**

User should receive x-digit code on the entered email for verification.

## **FR 1.3 Login Page**

Required Fields for authentication:

Email

Password

System should validate these fields and if it finds the matching combination the user should land to their home screen.

### **Login using Google**

If user clicks on the 'Sign-in with Google', the page of entering the google credential should get opened.

If they use social logins - they should be prompted to allow permissions and we should take them through a shortened registration process if they are new.

If they already have an account then we ask for permissions and link the social login to the correct account. They can then use either approach.

After users credential verified redirect to the home page of Kira.

### **Login using Microsoft**

If they use social logins - they should be prompted to allow permissions and we should take them through a shortened registration process if they are new.

If they already have an account then we ask for permissions and link the social login to the correct account. They can then use either approach.

After users credential verified redirect to the home page of Kira.

## **Screen Interface**

### **FR 1.5 Home Page**

#### **FR 1.5.1 Header section**

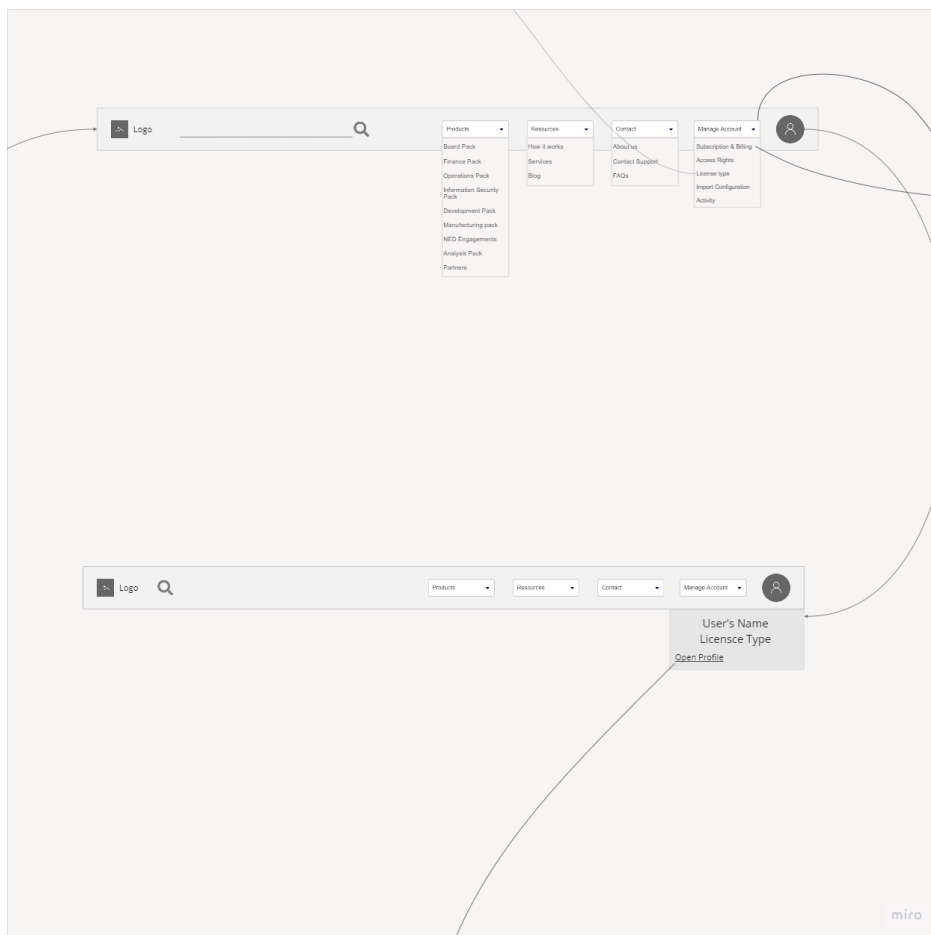
This section contains tabs:

- Profile
- Manage Account
- Products
- Resources
- Contact
- Search

On click, each tab will be redirected to its specific page.

On hovering the dropdown, all the menu options should get displayed of that specific tab.

## Screen Interface



## Contact

Dropdown option:

- About us
1. About us page must be contain -

1. About us content
    1. Users must see the about us content on the top of the page.
    2. Below the about us content, there will be a contact support button available.
  2. Our services
    1. Inside this, the content will be displayed will be of 'How it works' and the services such as packs, consult expert, get automated suggestions, etc.
    2. There will be clickable contents.
    3. user will be provided with links of each services.
  3. Buy plans
    1. Buy plan option must contain all the offers and subscription along with short description of it.
    2. Each plan should have it's individual link.
    3. The individual plan will directly prompt the user on the payment page.
    4. Each button will have different invoice.
  4. Explore
    1. User should be able to checkout the trending and related articles and blogs inside this section.
    2. Below each article or blog there should be a button present to Read full article.
- Contact Support
    - The page should be divided into 2 parts: Part 2 - Contact us, part 2 - Write to us.
    - In the contact us, Email address & Call support's detail will be available.
    - No content inside the contact us section will be clickable.
    - Write to us must contain a text field and a submit button.
    - User can write the issue in the text box.
    - Cursor type of the text box will be 'text'.
    - Submit button will have cursor type 'pointer' and on hovering over no background change will be displayed.
    - on clicking submit, the issue will be stored in the database and the admin/support can retrieve that issue.

## Screen Interface - support page

The wireframe shows a support page layout. At the top is a header bar with a 'Logo' on the left, and 'Contact' and 'Manage Account' dropdown menus on the right, followed by a user profile icon. The main content area is divided into two columns. The left column is titled 'Contact us' and contains the text 'Support Call' and 'Email Address'. The right column is titled 'Write to us' and contains the text 'Our support team is active 24\*7. Please let us know your issue:'. Below this text is a text input field labeled 'Type Issue' and a 'Submit' button. The 'miro' logo is visible in the bottom right corner of the page.

- FAQs
  - In the main section, the question and answer will be present.
  - In the question, there will be an option of opening the answer by clicking on arrow.
  - On clicking the arrow, the answer will be opened in the below section of question.
  - if user wants to search any keyword or title, user should get the relevant results in the same page.
  - The number of search results should be shown at the top of the page.
  - if there is no result, display as 'No result found'

## Screen Interface - FAQs page

The wireframe shows an FAQs page layout. At the top is a header bar with a 'Logo' on the left, and 'Products', 'Resources', 'Contact', and 'Manage Account' dropdown menus on the right, followed by a user profile icon. Below the header is a search bar with the placeholder text 'Search the title or keyword of topic'. The main content area features a list of questions. The first question is expanded, showing its 'Answer'. The other four questions are collapsed, each with a right-pointing arrow to indicate they can be expanded. The 'miro' logo is visible in the bottom right corner of the page.



## **FR 1.5.2 Main section**

Packs in the center of the main body.

Board pack

Financial pack

Operations pack

Information Security Pack

Development pack

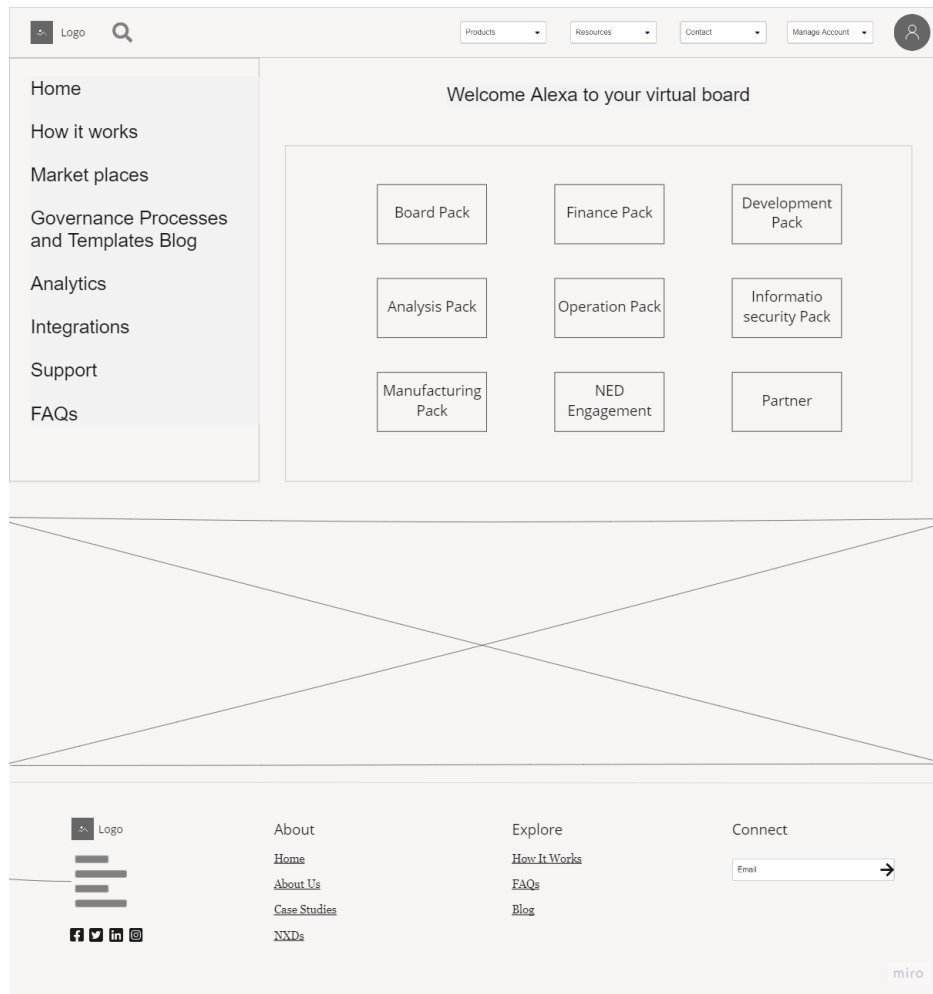
Manufacturing pack

NED Engagement

Analysis pack

Partners

## Screen Interface



### 3. Footer section

#### Options

- Logo and Address of the company.
- All the links of social media
- About
- Explore
- Connect

## Acceptance criteria

- All the above options will be present in the footer section
- **Logo and Address of the company.**
  1. Address should be displayed below the logo.
  2. Address should not contain any spelling error.
  3. Logo should be linked to the link of the home page.
  4. On hovering over the logo, cursor type should be pointer
- **All the links of social media**
  1. A user should be able to check the platform's social media page via the footer of the home page.
  2. Each social media page should have the logo of that platform as a button.
  3. For example, the linkedIn page link's button should be covered with a linkedIn logo.
  4. On hover, the button's background should change its color.
  5. On hover over the button must display the social media platform's name.
  6. On hover, Cursor type will be pointer
- **About**
  1. A user should be able to redirect to the respective page on clicking on any mentioned option.
  2. On hover over any of the options, a thin line below the text should be shown to the user.
  3. On hover over any of the options, the text should get bold.
  4. On hover, Cursor type will be pointer
- **Explore**
  1. A user should be able to redirect to the respective page on clicking on any mentioned option.
  2. On hover over any of the options, a thin line below the text should be shown to the user.
  3. On hover over any of the options, the text should get bold.
  4. On hover, Cursor type will be pointer
- **Connect**
  1. Email instructions - without @, with spaces, without '!. In such cases display a message 'Enter valid email'.
  2. System should validate the entered email id is not subscribed before for updates
  3. On clicking, the user should be able to enter the text inside the input box.
  4. Cursor type should be text.
  5. The input box should contain a side arrow as a button for subscribe.

## **FR 1.7 Profile Page**

### **1. Personal Info**

Personal info will be having an edit options for the users. User can edit the information and can update it.

The fields will be:

- First Name (Required)
- Last Name (Required)
- Company (Required)
- Job Title
- Email address (Required)
- Country/Region (Required)
- Mobile number (Required)

User can update the personal info multiple times.

System must check if all the required fields are having valid values or not. If not, the user will see a pop-up in the personal info section to update the required fields.

If the user has changed their email address or mobile number, Verification needs to be done before clicking on the update profile.

For Email Address & Mobile Number, All the necessary validation must be done by system.

### **2. History**

#### **Acceptance Criteria**

History option will include all the historical data of the user.

History will allow the user to search the dashboard by their project name.

It will be divided into two parts:

1. Dashboards
2. Consultant

**In the dashboard section:**

The user can check their history by scrolling left.

All the dashboard will be in the form of small individual boxes.

On click, respective dashboard will land on dashboard page.

on hover, the cursor type will be pointer.

Date filter will be available.

Date filter will be consist of Newest to oldest sorting, oldest to Newest sorting, Period (3 months, 6 months, 12 months, customization) and date calender to choose the dates as per the users preference.

on filtering the date, screen will only dashboard show the relevant ones.

### **In the Consultant section:**

The experts name will be in tabular form.

there will be two columns present in the consultant page i.e. Expert & Date.

In the expert column, Unique ID and name of the Expert will be present.

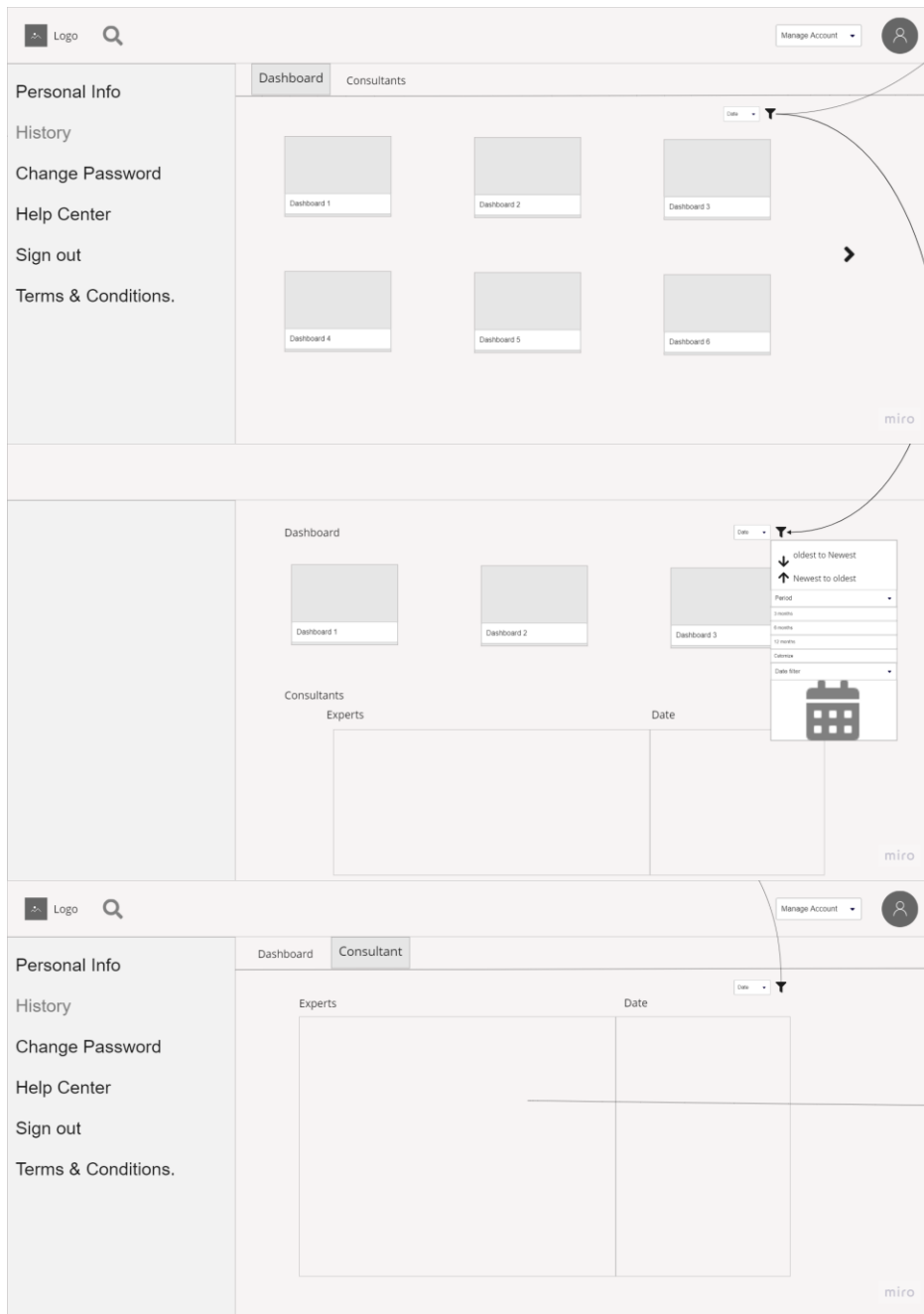
In the date column, date of the consulted expert will be reflected.

Date filter will be available.

Date filter will be consist of Newest to oldest sorting, oldest to Newest sorting, Period (3 months, 6 months, 12 months, customization) and date calender to choose the dates as per the users preference.

on filtering the date, screen will only dashboard show the relevant ones.

## Screen Interface:



### 3. Change Password

This tab will contain below options for the user:

- Change Password

Fields:


1. Previous Password
2. New Password
3. Confirm Password

### **Acceptance criteria**

Previous Password should be correct.

User cannot use last 6 previous passwords

New password data field specifications - At least 8 characters, 1 number, 1 upper case letter, 1 special character.

Refer -  [KIRA-165](#) - User information with verification To Do

New password and confirm password entry should be masked while user types it.

Green check mark next to 'New password' field should be displayed that indicated to the user after typing password that the entry meets criteria.

Red check mark next to 'New password' field should be displayed that indicated to the user after typing password that the entry does not meets criteria.

Validate the inputs of New password and confirm password fields match.

If the password entered doesn't match then disable the submit button.

### **Screen Interface**

4. Help Center

### **Acceptance Criteria**

Documentation - on click, the user will be redirected to documentation page.

Learn - on click, the user will be redirected to training page of the platform.

Get Help - This tab will contain the contact support details.

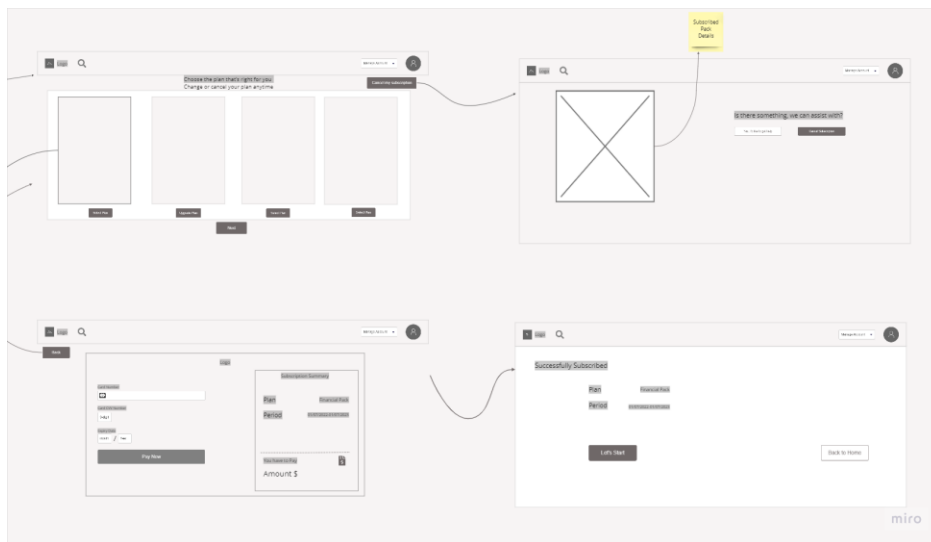
User will be allowed to raise a query in the system.

About POWERANALYSIS- on click, the user will be redirected to about us page of the platform.

## Screen Interface

### FR 1.6 Subscription & Billing

## Screen Interface



### FR 1.8 Manage Account:

This is a drop-down in the header section.

Options in this dropdown will be:

- Subscription & Billing

Refer - FR 1.6 Subscription & Billing

- Access Right
- License type
- Activity

1. on click on the activity from the manage account dropdown, will redirect the user to the activity page.
2. Activity page will be divided into 2 parts:
3. Last Login and Recent Activity



4. Last login will be consist of last 6 logins done by the user. All the details will be mentioned in the last login container.
5. Login details will be in the format - ' Last login at Date & Time'
6. Recent activity - User will be able to check their last 7 activities on the activity page.
7. The activities will include all type of activity the user is performing. Such as, If the user is performing analysis, writing blogs/articles, consulting an expert, etc.
8. All the details inside this page will be in readable format.
9. User can only view and scroll the contents inside the page.

## Access Right

### Acceptance Criteria

- User should be able to view their rights as a user.
- Page should display all the necessary content.
- the user will be able to check the sequence of rights given to each role.
- Only admin will be having an option to upgrade the existing plan.
- contributor have all the rights except changing user rights.

### Screen Interface

Role	View Dashboard	Edit Dashboard	Consult	Change user right
Admin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contributor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Role	Action
	Upgrade the plan

## License type

As an Admin, I want to view my license type.

### Acceptance Criteria

- Allow admin to create, interact, share, download and comment.
- Allow admin to manage users and permissions
- Display the license type as a 'Premium'
- Allow the user to select the upgrade pack.

As a contributor, I want to view my license type.

### Acceptance Criteria

- Allow contributor to create, interact, share, download and comment.
- Display the license type as a 'Pro'
- Allow the user to select the upgrade pack.

As a Guest/Viewer, I want to view my license type.

### Acceptance Criteria

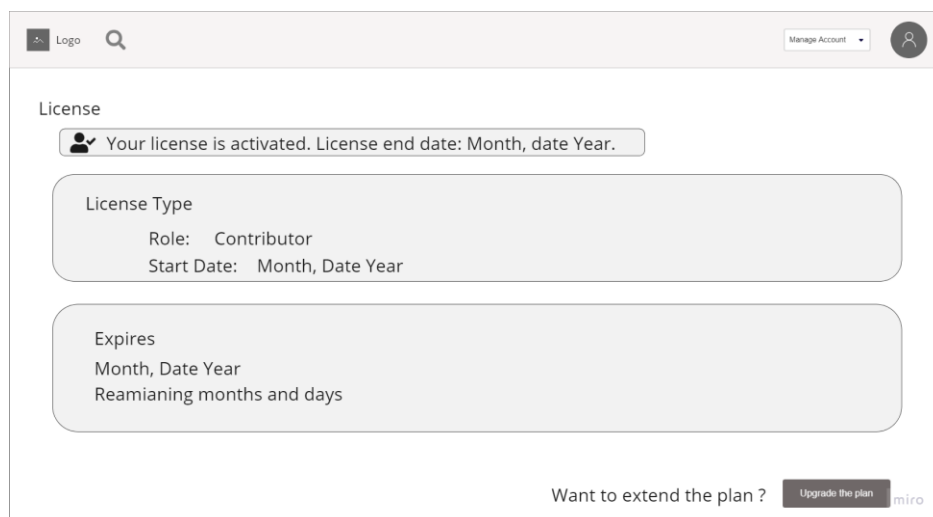
- Allow Guest to view the shared dashboards and reports.
- Display the license type as a 'Guest user'
- Allow the user to select the upgrade pack.

As a trial user, I want to view my license type.

### Acceptance Criteria

- Allow trial user to create, interact, share, download and comment.
- Display the license type as a 'Trial version'
- Allow the user to select the upgrade pack.

## Screen Interface



## Activity

### Acceptance criteria:

- User will be able to see 6 last logins.
- Recent activity will show the last 6-7 activity.
- All the content inside the activity page will not be linked to any page.
- User will only be able to read the activities.
- Cursor type will be default.

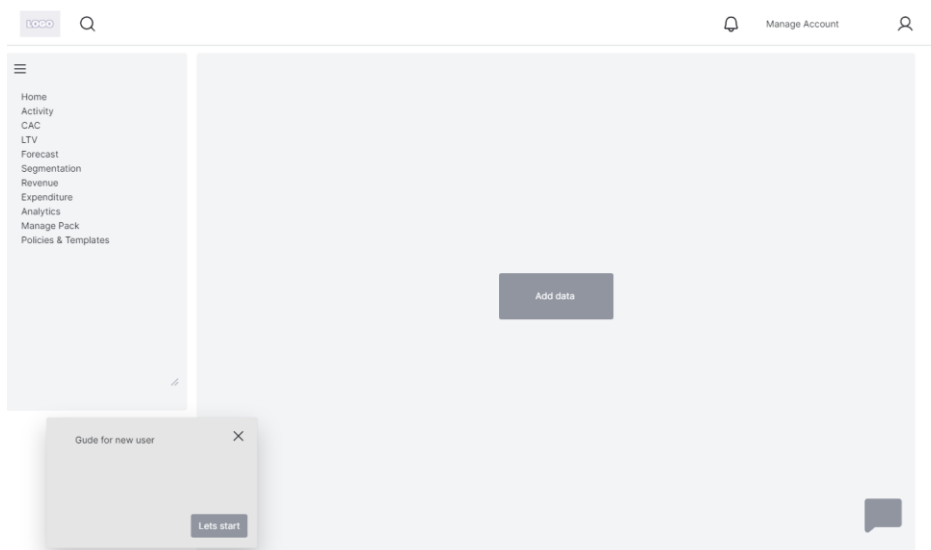
## Screen Interface



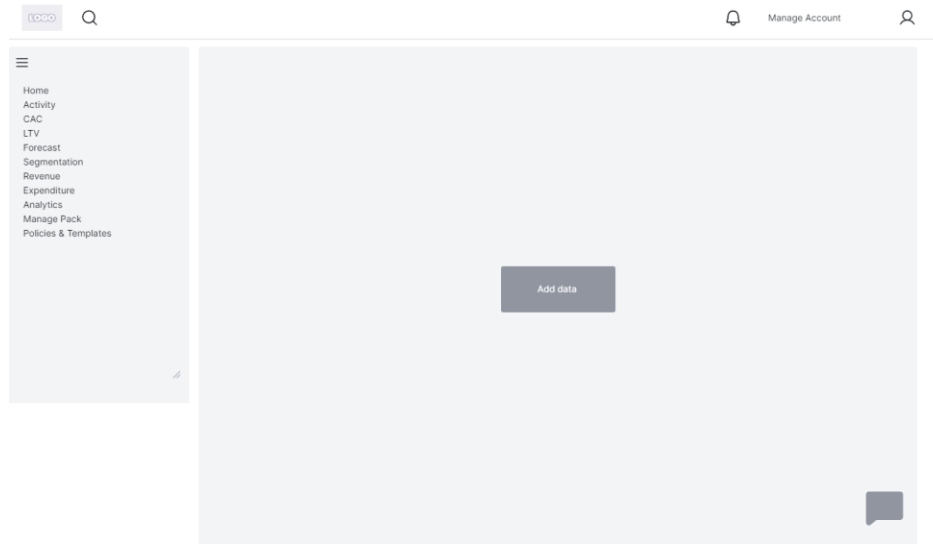
## FR 2.0 Financial Pack

### Screen Interface

If the user is new subscriber of the pack.



If the user has the already used the pack



After clicking on Add data

## FR 2.1 Import Process

### Storage

- The system will extract the data from data source.
- Each Data set will be assigned with a userID or token of the respective user.
- If considering token to assign then each user's token must be unique. (System must generate unique token for each user)
- System must create a folder
  - Folder's name should have user's token/userID
- Create a folder inside the above folder
  - This folder should have name as the 'YYYY\_MM\_DD'
  - If the system extracts data regularly then each day's folder will be created separately inside token/userID folder
- System must store data inside above folder
  - Data must be stored in date specific folder
  - I.e. If the data has been pulled on '2022\_07\_14' then extracted data must be stored inside 2022\_07\_14 folder

Database Naming convention:

- Database names must only consist of the letters a to z (both lower and upper case allowed)
- The numbers 0 to 9, and the underscore (\_) or dash (-) symbols.
- This also means that any non-ASCII database names are not allowed.
- Use date format ISO 8601: YYYYMMDD

Transformation:

- Data discovery - Identify and understand the data in its source format
- Mapping - Actual transformation process
- Job run program - In order to transform the data, system must run a automated code.

Import process flow -

