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| project Scope guide |
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## Project Plan and Scope

### **Problem statement**

Lots of people aren’t either not aware about financial planning or doesn’t have means to achieve it. There is a huge knowledge gap which exist today around personal finance plan. While there are lots of information floating around in internet about the need to finance planning for future and details about different funds, there isn’t a unified system which brings all the necessary tools and support which can enable an individual user to better plan and manage their finance as well as track their progress in a holistic process.

#### Objective

The objective of this project is to develop a web application through which end user can track their income, expenses and investments. The solution should enable a user in 3 core areas.

1. Managing Expenses.
   1. User will be able to add their day to day expenses, which can then be used for analysis of their spending habits, provide insights on their expense pattern, and accordingly suggest better way to manage their expenses in the long run.
2. Managing Investments
   1. User can add their existing investments that they had done, and system will be able to predict their investment growth, as well as user can buy new investments items such as mutual funds, liquid funds, child and retire funds for their future.
3. Finance planning
   1. This will enable user to input their current lifestyle information, their incomes and goals, and based upon that system will predict how much investment, investment segments, and duration required to achieve their goals.

#### Project Scope

The scope of the project is to create a web application with following functionalities.

1. User can login with social login, as well as email and password
2. User needs to register/login before using expenses tracker, but investments and finance planning can be accesses without login.
3. Expenses tracker will support add / Delete/ Edit an expenses.
4. Category of expense are predefined. [household, food, entertainment, travel, misc , official, childs, investments Exp, Loans]
5. User can also add expense, by reminder option and system will automatically add expenses every month on the entered date. For instance, user can enter “recurring expenses every month for car loan on 5th. Then on 5th an entry of car loan should be automatically be created and recorded against the user’s expenses list.

#### technologies and dependencies

The core technologies to be used are as follows.

1. React JS – for building the Front end of the application UI and user interaction logic
2. Prime React - UI toolkit for building the user interface components
3. MongoDB Atlas – free tiered, cloud hosted no sql database for storing data
4. My Sql – free, cloud hosted database for storing relational data
5. Bootstrap – to provide core UI for the application (optional)
6. Chart JS – to add graph and chart functionalities to the application. (React Prime also have some basic charts)
7. Animate CSS – to bring animation into react components.
8. React-redux for managing states (optional)
9. Jest – for unit testing (optional)

#### Project assumptions & PreREQS

The project assumes, the following

1. Purchasing any item will only create an order without triggering any payment request (no payment integration)
2. Participants can decide the length of coverage that can be achieved in 3 days.

#### Database Structure

<<Add DB structure here>>

#### class functionalities

<<Add Class structure here>>

#### duration

3 Days. (Individual project)