1. **Project Title: Insurance Hub**

2. **Project Summary**: Insurance Hub is an insurance aggregator that provides a one-stop solution for users to search, compare and purchase different insurances. It provides a digital platform (website) where users can compare insurance policies from major insurance companies. It offers several insurance plans like life, health, vehicle, and travel.

3. **Description**: Our web application will have an option to search through policies and compare them with other policies. We will have three logins, customer login, insurance company login and database administrator login. Using this application we are trying to solve the following existing problems:
    - Currently it is very difficult to search for different types of policies. Users have to search through multiple sources to find the best policies for them. Insurance Hub will be an aggregator to search through all policies at one place.
    - It is difficult to find one source where you can find different types of policies, most sources/websites on the web support one type of policy, such as, automobile insurance, life insurance etc. Insurance Hub will contain lists of all types of policies.

4. **Usefulness**: Finding the best insurance policies for ourselves is a very lengthy and detailed process. Everyday customers struggle to find good policies and find the best one for their needs. Our website will filter through insurance policies which are curated for the customer by taking in various inputs from the customers. Customers can then compare these insurance policies and we can provide them additional insights such as policies with lowest premium plan. There are existing insurance aggregators centered Progressive(https://www.progressive.com/) and Zebra(https://www.thezebra.com/) are a couple of them. These solutions are centered around automobile insurance and do not focus on other types of insurance policies. Also, these websites sell the customer's personal information to insurance companies, however our website will protect the customer's personal integrity by encapsulating this data only in the customer's table and not sharing it elsewhere.

5. **Realness**: Our website will have its own database. We are planning to build our dummy data for this database from currently available different types of policies from different insurance companies. We will extract data of the top or the most popular insurance policies from these companies.

6. **Functionality Description**
    6.1. **Data stored in Database**: We will have a Users table which will have attributes like email, hashed passwords, name, gender, age, marital status, phone number, Auth tokens, User type. We will also have a Companies table which will have

attributes like Company name, Company Address, Company phone number, company email. Furthermore, we will have an insurance policy table with attributes like Policy type, company id, premium amount, max discount, out of pocket amount etc.

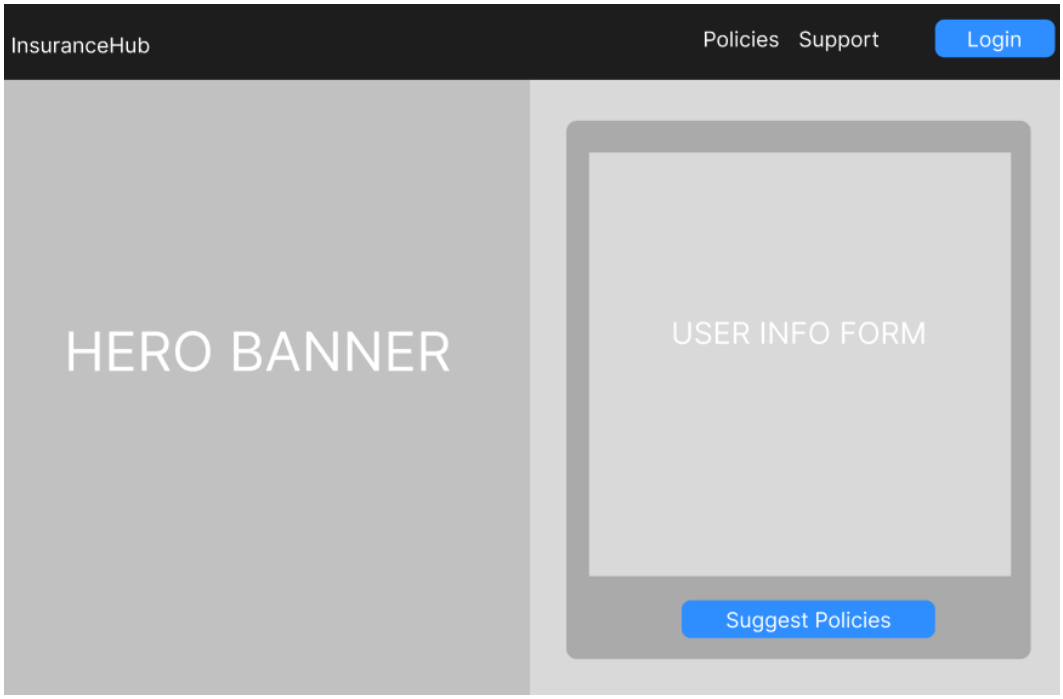
6.2. **Basic functions of our web application**: Insurance Hub will have features where a user can select between most popular plans, value for money plans, and lowest premium plans. Also, it provides a sorting filter where a user can filter policies by relevance and premium price. The following tasks can be performed on our website:

- Users can create an account and login. They can also update their account information
- Users can search and filter through the policies.
- Users can compare the policies that are available in the database.
- Insurance companies can also create an account and perform CRUD operations on policies.
- Insurance companies can access their dashboard to gain insights on their published policies.

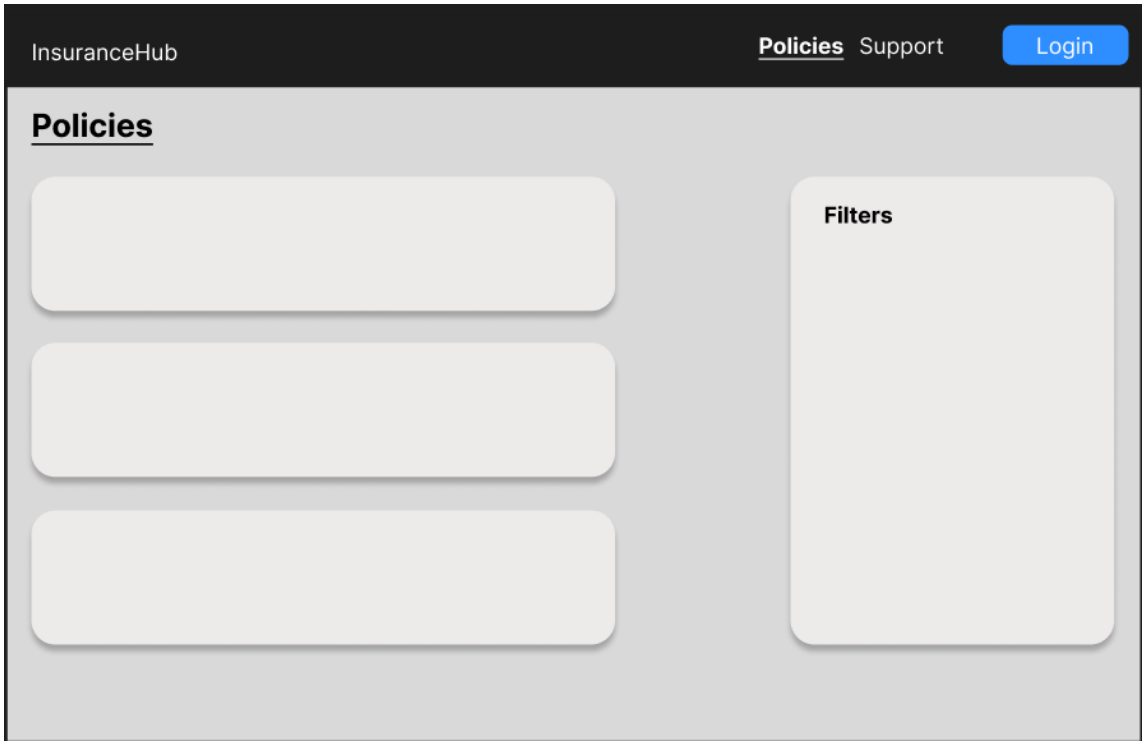
6.3. **Creative Component**: Our website will have a dashboard for each Insurance Company, where we will provide insights about the popularity of their insurances and which of their insurances are being sold the most. Here we will use various SQL aggregation operations and queries.

7. **UI mockup**:

Landing Page



Policy Search Page



8. **Project work distribution**:

Project members Lavanya and Meghansh will be responsible for the application's front end. They will be using React/Angular for development.

Project members Akshit and Rahul will handle the application's back end. They will use Python/Node JS and MySql for the database.

The distribution for specific tasks is given below:

1. Database and schema Design - Lavanya, Meghansh, Rahul, Akshit
2. Data collection - Lavanya, Meghansh, Rahul, Akshit
3. API Design - Lavanya, Meghansh, Rahul, Akshit
4. API implementation - Rahul, Akshit
5. Backend to Database connection - Akshit
6. Search Engine Implementation - Rahul, Akshit
7. Authentication and Authorization (Frontend & Backend) - Rahul, Lavanya, Meghansh
8. UI Design - Lavanya, Meghansh
9. UI Implementation - Lavanya, Meghansh
10. Filtering and Comparison - Lavanya
11. Result Display and Pagination - Meghansh
12. State Management - Meghansh, Lavanya