DLITHE BANK DOCUMENTATION

1. Project Overview :

The Dlithe Banking system project is a program that keeps track of a client's bank account. This project demonstrates the operation of a banking account system and covers the essential functions of bank management software. It develops a project for resolving a customer's financial applications in a banking environment to meet the needs of an end banking user by providing multiple ways to complete banking chores. Additionally, this project is to provide additional features to the user's workspace that are not available in a traditional bank.
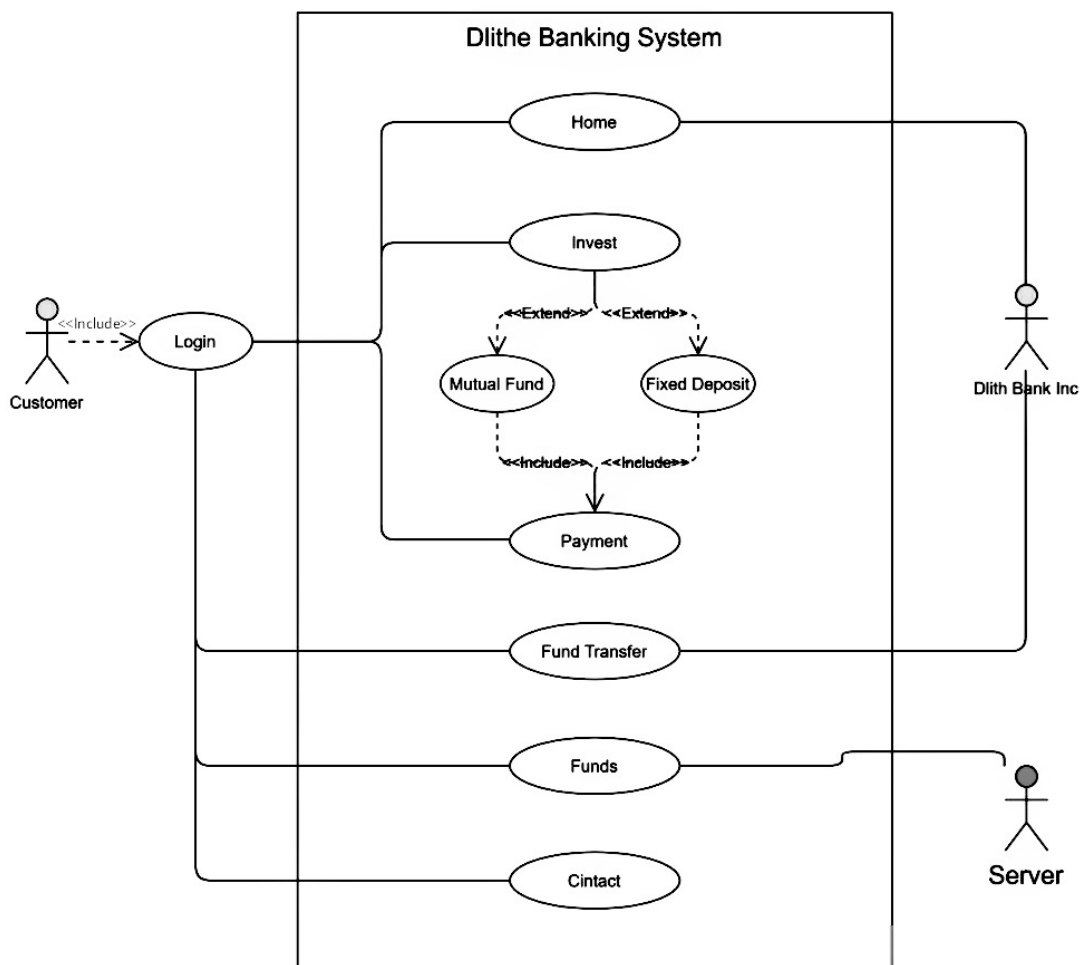
UseCase Diagram

Fig (1): Dlithe Bank UseCase Diagram

The above Usecase Diagram depicts The data flow of the website, Customers can access various facilities provided by the bank by logging into our website. We provide Investment into Mutual funds and Fixed deposits through online mode with a safe payment gateway, also our customers can transfer funds from one bank account to another bank account through the online mode.

2) Software Requirement :

Development: Visual Studio Code, Visual Studio 2022, SQL Management Studio, Browser.

Software Packages, Languages & Library: NodeJS, React, ASP.NET, Web API (Entity Framework), Nugget Packages, Bootstrap.

4) Design :

1. Login

      a) Username

      b) Password

2.Landing Page

      a) HomePage (Sliders, header,footer)

      b) Contact Us

      c) Loan Info

3) Investment Page

      a) Mutual Funds

      b) Fixed Deposit

      c) Payment Integration

4) Services

      *Fund Transfer

            a) Challan Form

            b) Transaction History

5) Funds

a)Add New Funds

b)Existing Funds Details

6) Contact

a) Contact Us Form

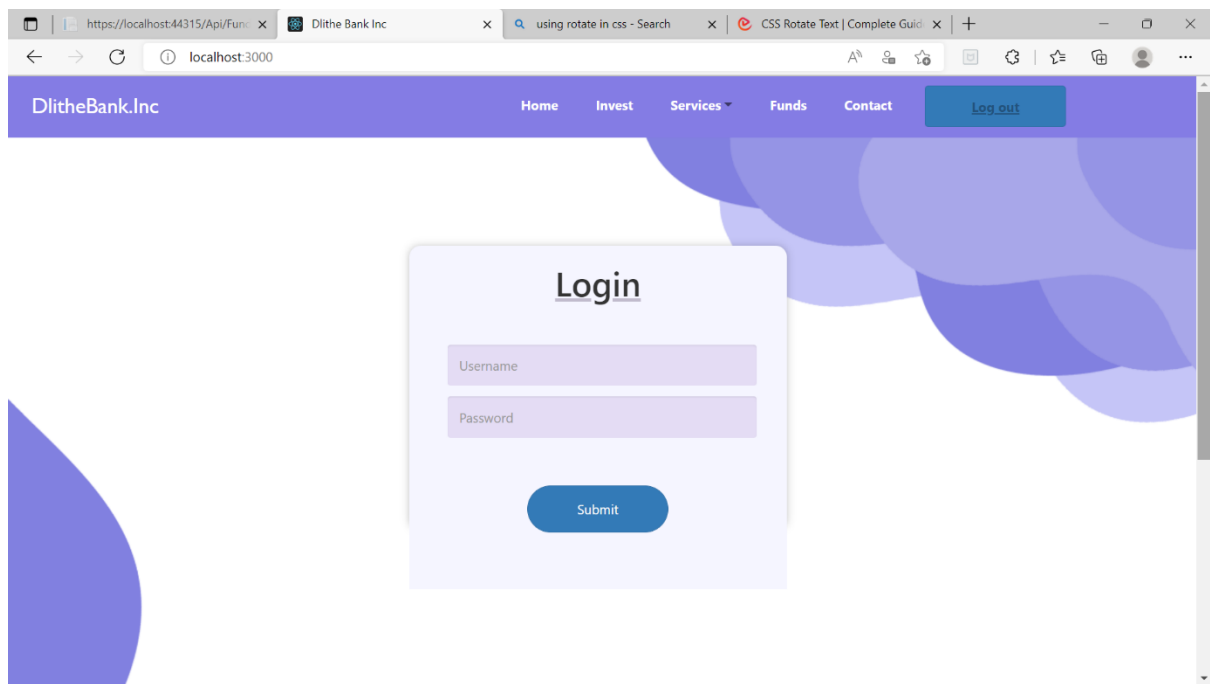# 5) Website Design and Functionality

Fig (2): Login Page

This Login Form holds two Fields, one is for username and another one is for Password. We have implemented form validation on these two fields where the username should be more than 5 Characters and the Password should be a minimum of 8 characters long
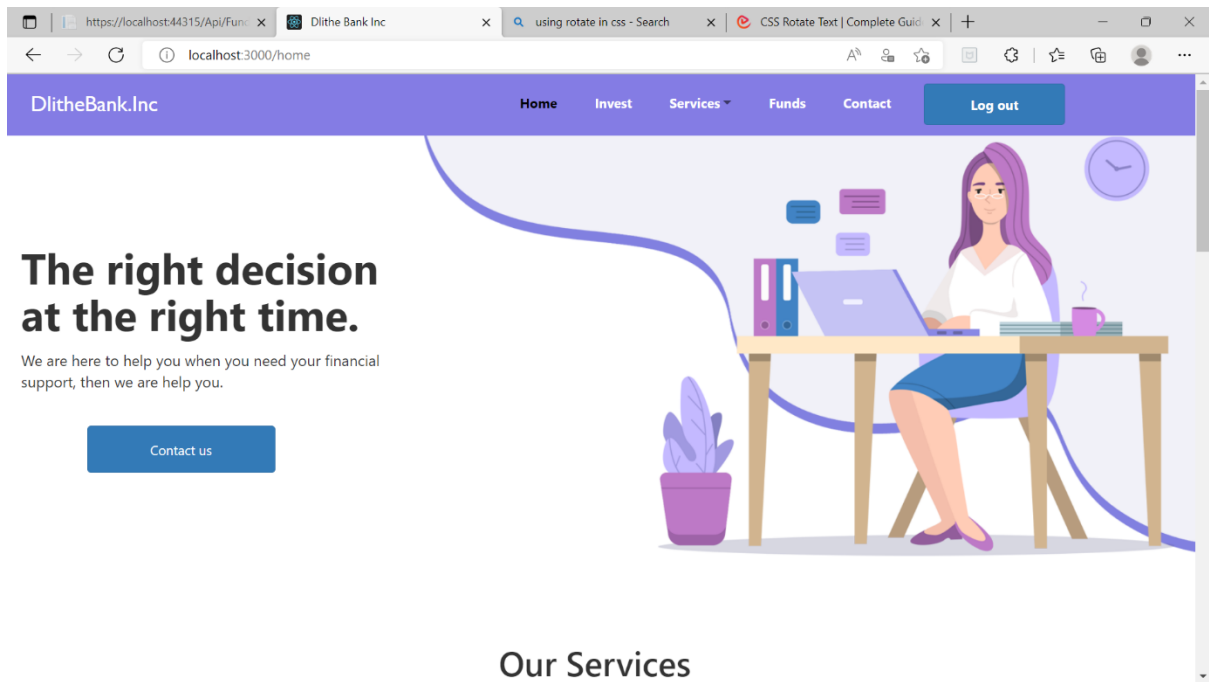
Fig (3): Home Page

The home Page has some Contact information, Loan details, and Footer information. Users can Navigate to Different Pages using Navbar.
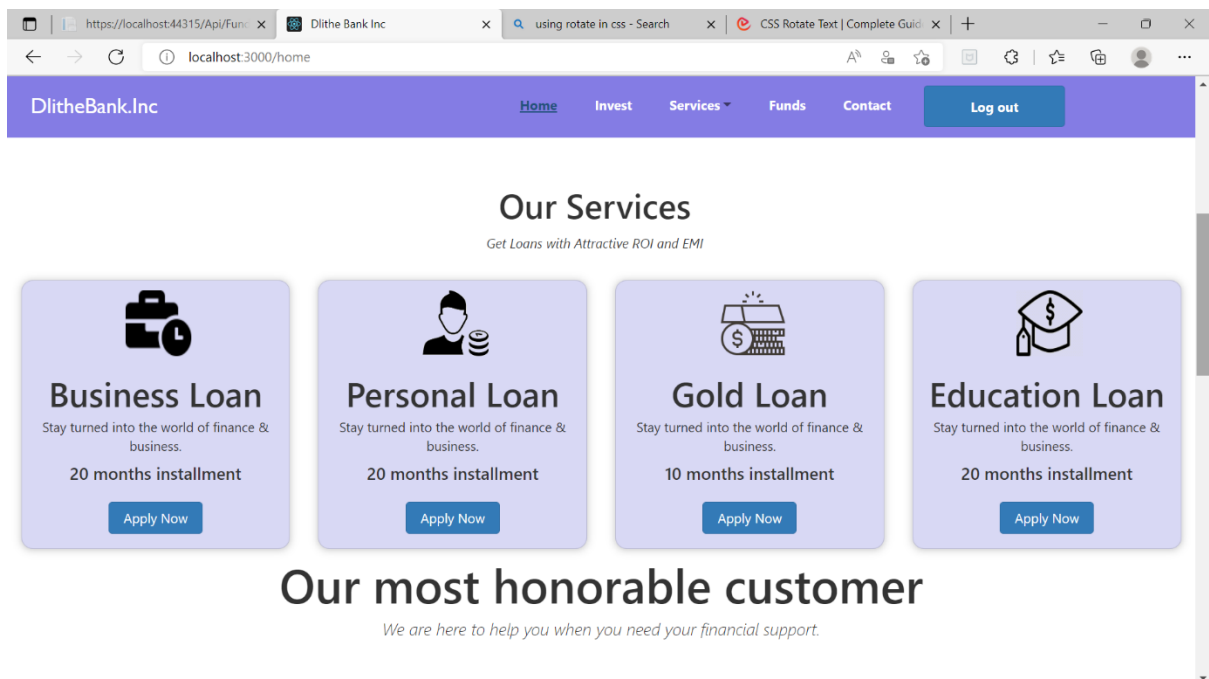

Fig (4): Our Services (Home page)

Our Services Section on the home page holds different loan Schemes information like Loan Type, Instalment detail, and apply now button.
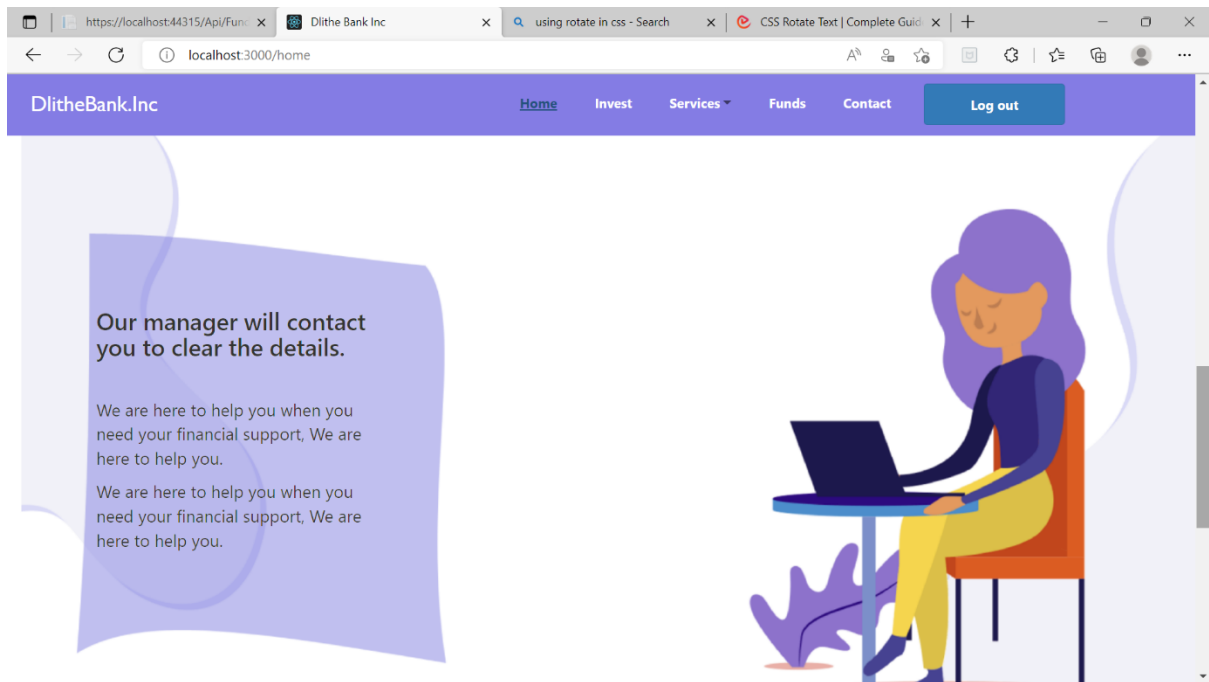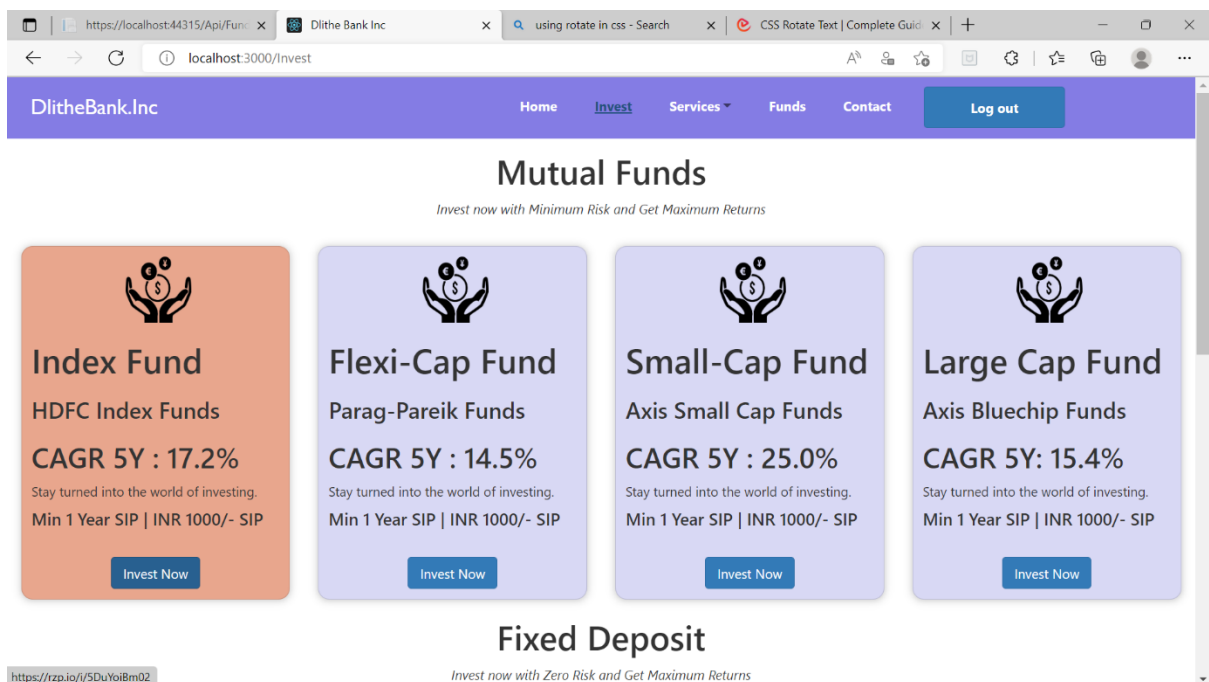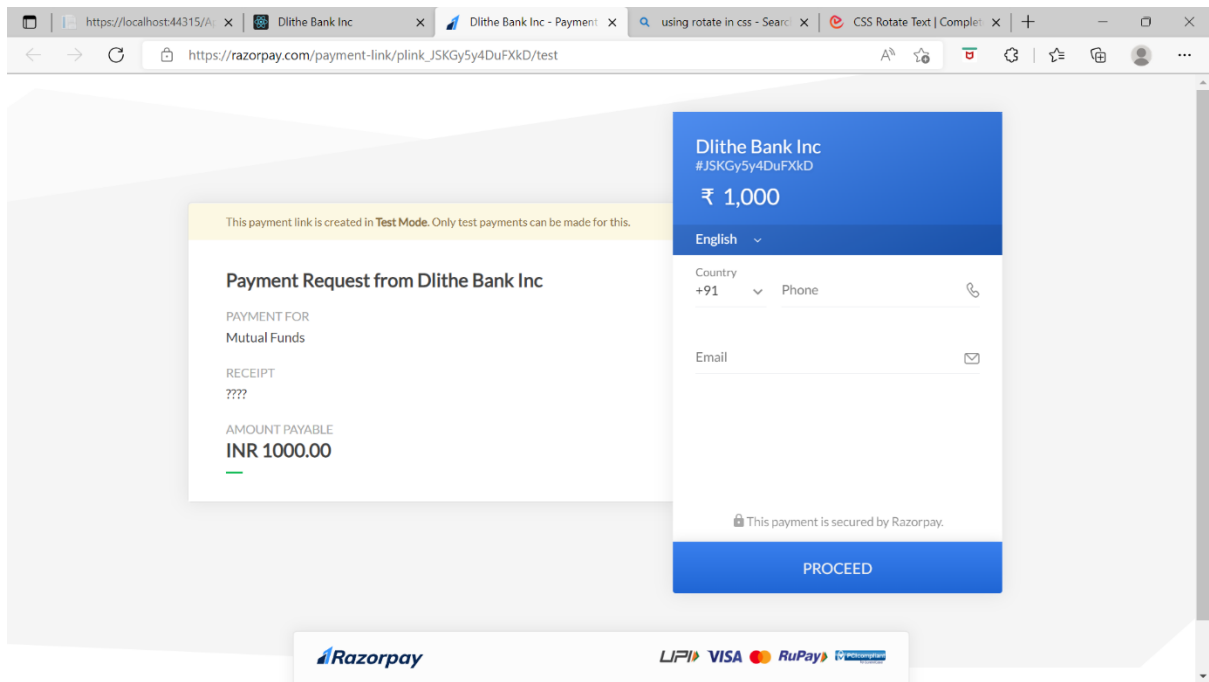
Fig (5) : Info Section(Home page)

Fig (6): Invest (Mutual Funds)

Invest Section Consists of various Mutual Funds Scheme and Fixed Deposit Schemes. The Mutual Funds Cards hold information like Fund Type, Fund Name, CAGR returns for 5 years, Minimum period for the holdings, and minimum SIP amount. Fixed Deposit Cards hold Information Like FD name, Rate of interest, Maturity Period, and Minimum investment, if the user clicks on the Invest now button it will redirect to the payment window.
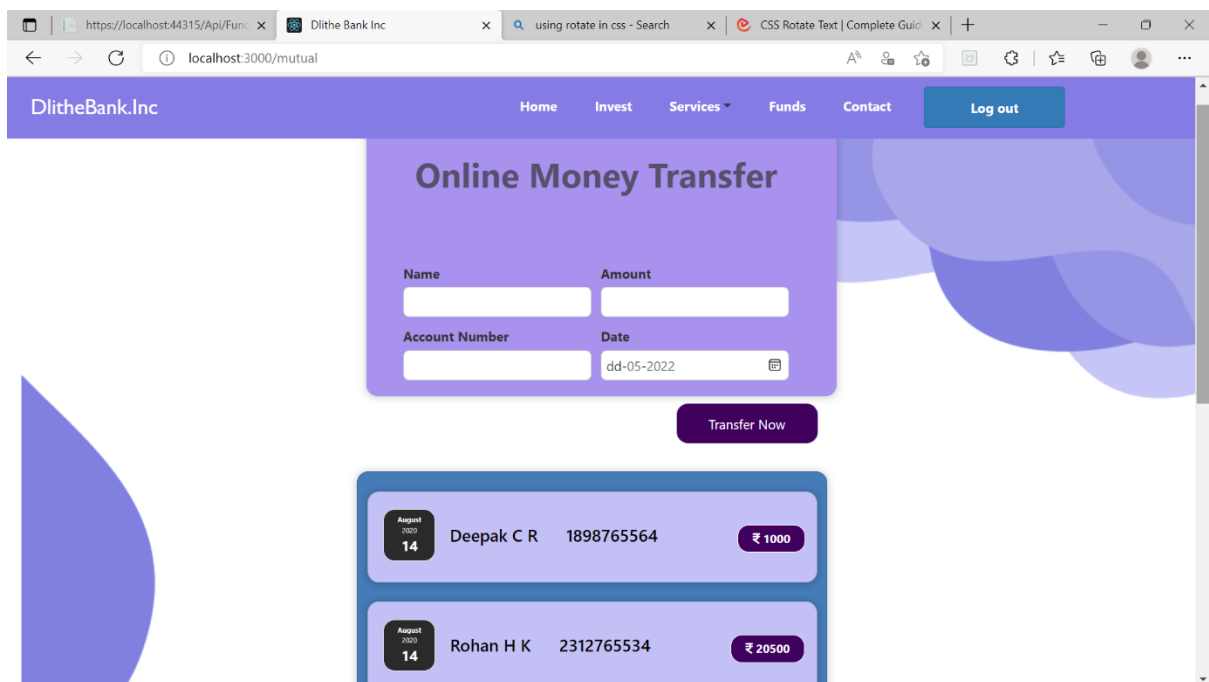
Fig(7) : Payment Page

Fig (8): Fund Transfer

Fund Transfer Section has a Challan Form and Transaction history sub-sections. When the user enters the transaction details in the online challan form and transfers the funds and the transaction history will automatically reflect in the transaction history section.

Fig(9) :Invested Funds Details

The above table holds the record of various mutual funds that the user is currently holding, this information is gathered directly from the backend.

Fig(10) : New Investment

Invest Funds Form accepts Fund Details and reflects the data in the database and it will reflect on invested fund details
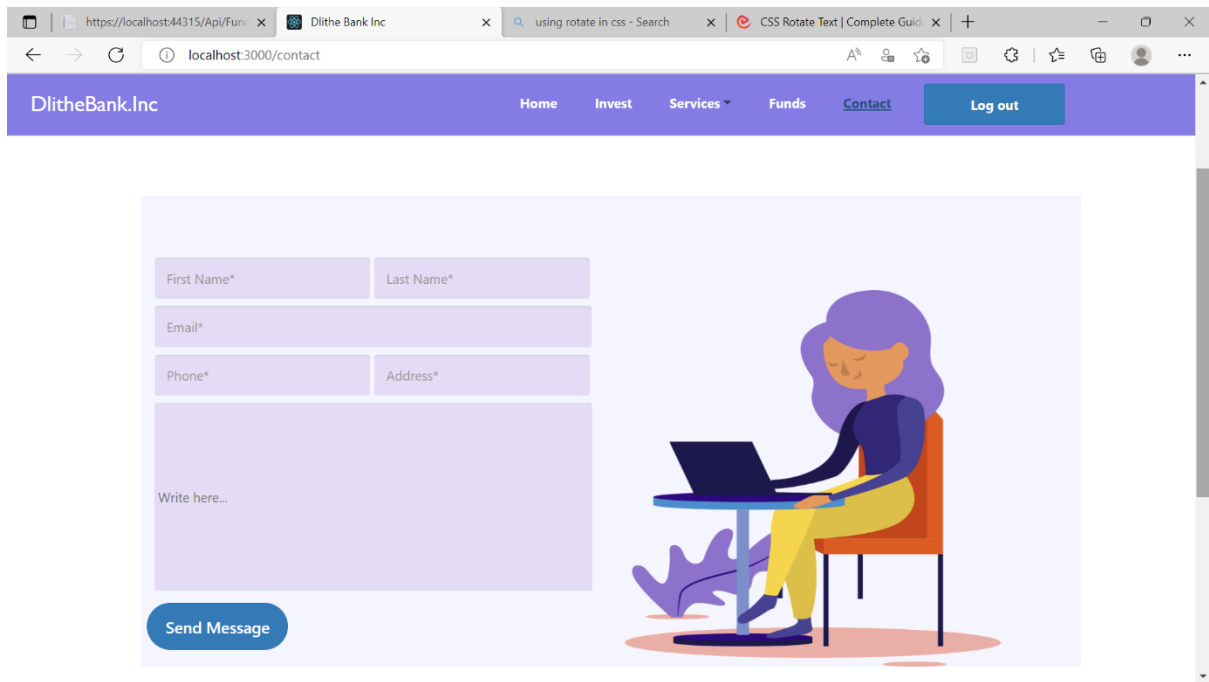
Fig (11) : Contact Info

The contact form accepts contact details and user can submit their details using send message button

6) Future Enhancement :

Mobile Application, Security Enhancement and validation

7) Source Code :

https://github.com/Deepakrio/Banking

Source Credits: Deepak C R

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