**REDCARPETUP - TASK**

**LOAN MANAGEMENT SYSTEM**

**README FILE**

**NOTE :** The Login details for the types of users they are existing on the database are available on the Test case document.

1. I have recently selected for RedCarpetUp Internship Round 1 of interview. And the task provided is to develop a Loan Management System and I have developed the Loan Management System with Front – End Technologies like HTML, CSS, JavaScript and BootStrap, Database like Amazon RDS(MySQL) and Back – End Technologies like Python, Django.
2. The project is then converted to Docker image to work across different systems. The Docker Image file name is “pythpon-django.tar”
3. The Docker image is then converted to Docker container to execute the Django project using the command,

docker load --input python-django.tar[Name of the Image file with extension]

1. The Docker container[python-django] is created and the container can be published to the port 8000 using the command,

docker run --publish 8000:8000 python-django[Name of the Image file]

1. Then, open the browser then type ‘127.0.0.1:8000/RedCarpetUpLMS’ on the URL box. The ‘RedCarpetUpLMS/’ needed to add to the host address because it represents the Django app. Then, only it accesses the project I built.
2. On the Home Page, you can access the Login, Signup pages and it contains some details of the project.
3. On the Login Page, you can access your account created using the E-mail address, Password and select the necessary role that is allocated during the creation.
4. On the Signup Page, the necessary details to be provided by the user are First Name, Last Name, Date of Birth, Age, Gender, Role Type[Customer Type only allowed], E – Mail Address, Mobile Number, Password and Confirm Password. Don’t worry your passwords are encrypted with SHA – 256 Encryption. So, you can securely access your accounts.
5. After login, you will be redirected to necessary pages based on the role of the account i.e., Customer (or) Agents (or) Administrator.
6. The Customer page consists of details like the Loan details that they had applied and got sanctioned through their agents.
7. The Agents page consists of services like Loan Request and Loan Management, the Loan Request page like the details of Request ID[Combination of Alphabets & Numbers], Customer First Name, Customer Last Name, Customer DOB, Customer Age, Agent Requested, Loan Amount, Loan Tenure(in Years), Allotted Rate of Interest, Loan Interest and the Loan Management page consists of details of Loan details they sanctioned for the customers.
8. The Administrator page consists of services like Loan Approval and Loan Management, the Loan Approval page consists of details like the Loan Details the agents they had requested for the customers and the Loan Management page consists of details of the Loan details of all the customers the company had sanctioned.

**NOTE :** The features that I haven’t included for this project are,

* Filter option to sort the loan details present in the Loan Management page of all the users.
* Setting the user type is only restricted to Customer type on the Signup. I thought of providing role type as Administrator (or) Agent to the users who are attending the interview process organized by the company for these roles.