Report

On

**Rural Banking by Cloud Computing**

Submitted to : Submitted by :

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**Introduction of Project**

This Project is designed using HTML/CSS and JavaScript for front-end and PHP , MySQL for a secured backend database and this whole project is deployed on GCP.

This proposed software will be interactive , faster and user-friendly for the end users. People in rural areas can use this software for following functions :

* Login
* Create Account
* Add Money
* Transfer Money
* Loan
* Loan Amount Calculator
* Pay Loan
* Deposit Money

**Aim/Objective**

Rural Banking by Cloud Computing is a software which is developed for people living in rural areas for day to day bank related stuff as the bank is too far to go for day to day work , and this software which I made is very useful for these peoples as they can do most of the bank related stuffs from their home on their smartphones , laptops etc.

As we all know that rural areas have network fluctuation so I have deployed this site on [Google Cloud Platform](https://cloud.google.com/) that uses their own premium tier networking for fast responses at low internet speeds.

**Advantages of proposed system**

The following are the objectives and highlights of the proposed software :

* Secure user data.
* Secure payments.
* Better management.
* Saves a lot of manpower.
* Elimination of paper work.
* Simple UI so that it can be used by everyone.
* Can be used on any device , anywhere and anytime.
* More Faster.

**Modules**

Modules used in this project are :

* Login
* Create Account
* Add Money
* Transfer Money
* Loan
* Loan Amount Calculator
* Pay Loan
* Deposit Money

**Software Requirement Specifications**

* PhP-MySQL :

PHP stands for Hypertext Preprocessor (no, the acronym doesn't follow the name). It's an open source, server-side, scripting language used for the development of web applications. By scripting language, we mean a program that is script-based (lines of code) written for the automation of tasks.

PHP can be embedded in HTML, and it's well suited for web development and the creation of dynamic web pages for web applications, e-commerce applications, and database applications. It's considered a friendly language with abilities to easily connect with MySQL, Oracle, and other databases.

* HTML/CSS :

Web pages can be designed using HTML. With HTML, code execution is done on the user's browser (client-side). On the other hand, with PHP server-side scripting language, it's executed on the server before it gets to the web browser of the user.

CSS is the language for describing the presentation of Web Pages , including colors , layout and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens or printers. CSS is independent of HTML and can be used with any XML-based markup language.

* JavaScript :

JavaScript is a programming language commonly used in web development. It was originally developed by Netscape as a means to add dynamic and interactive elements to websites. ... Like server-side scripting languages, such as PHP and ASP, JavaScript code can be inserted anywhere within the HTML of a webpage.

JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes etc.

**Data Flow Diagram**

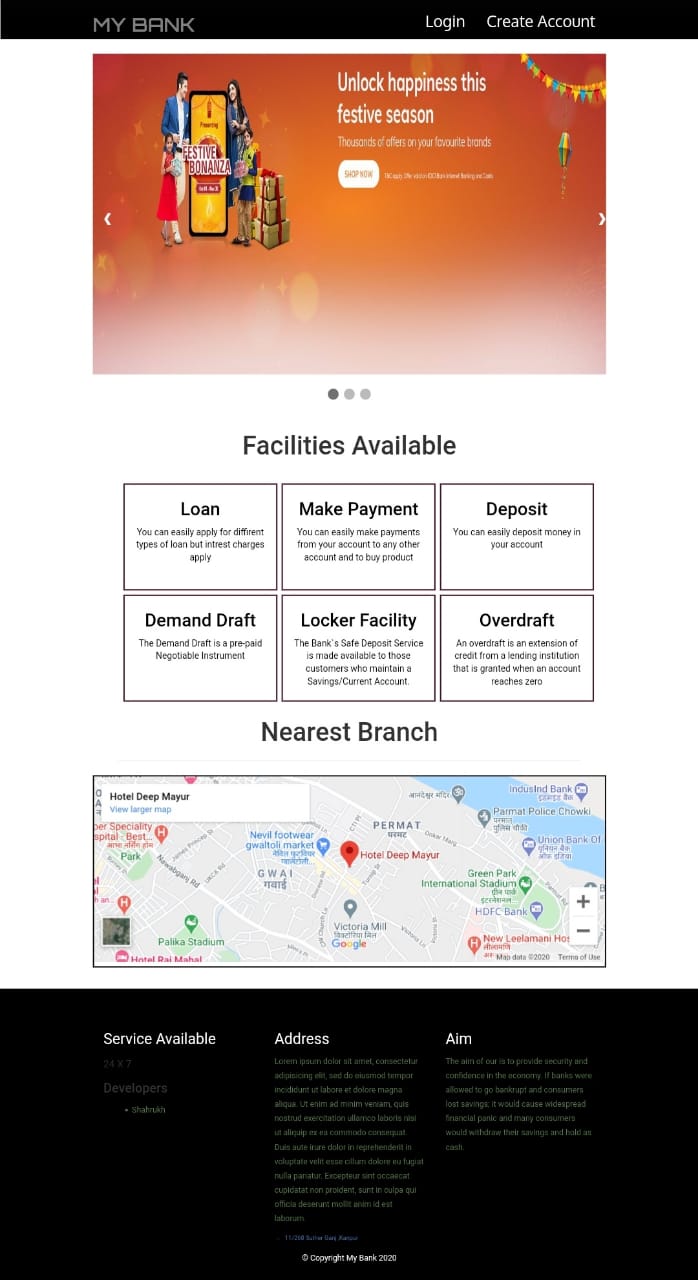
The data flow diagram (DFD) is one of the most important tools used by system analysts. Data flow diagrams are made up of a number symbols, which represent system components. Most data flow modeling methods use four kinds of symbols. These symbols are used to represent four kinds of system components such as Processes, data stores, data flows and external entities.

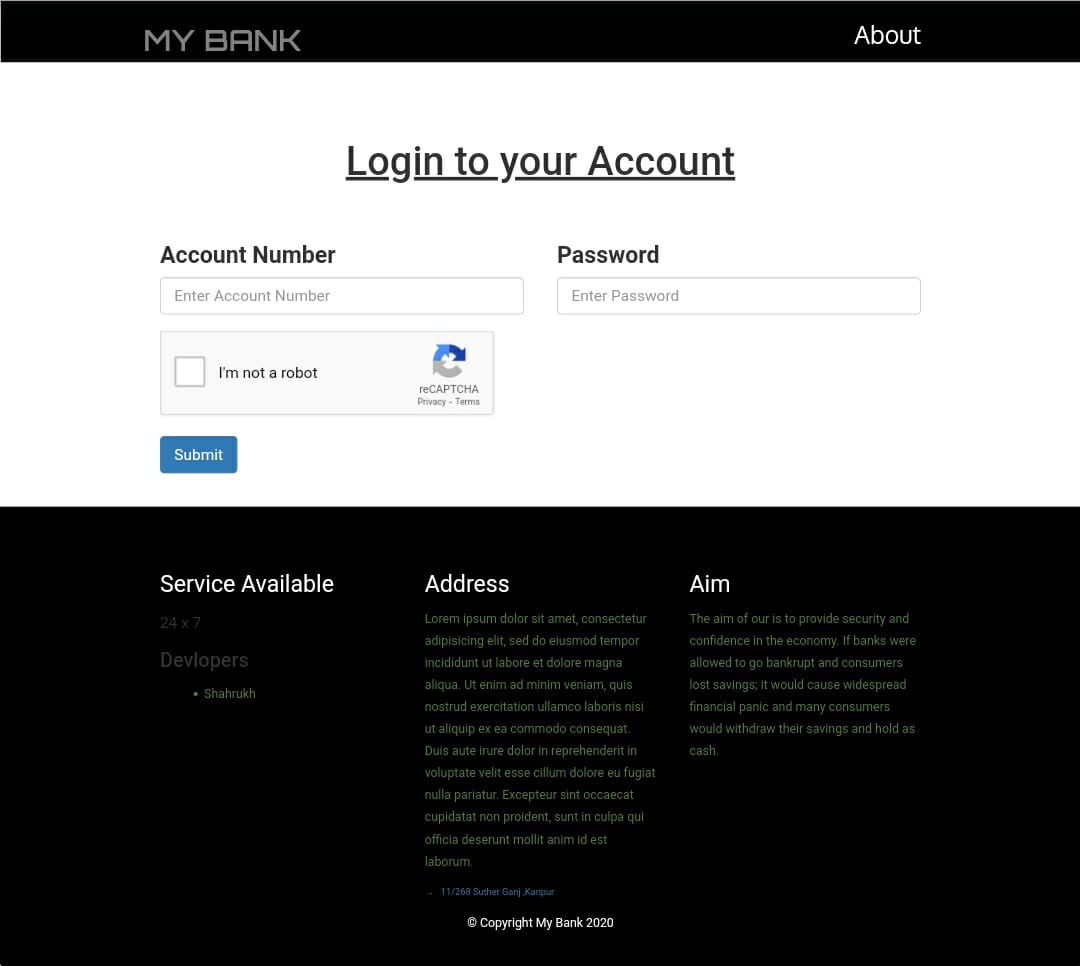
An arrow identifies the data flow in motion. It is a pipeline through which information is flown like the rectangle in the flowchart. A circle stands for a process that converts data into information. An open-ended box represents a data store, data at rest or a temporary repository of data. A square defines a source or destination of system data.

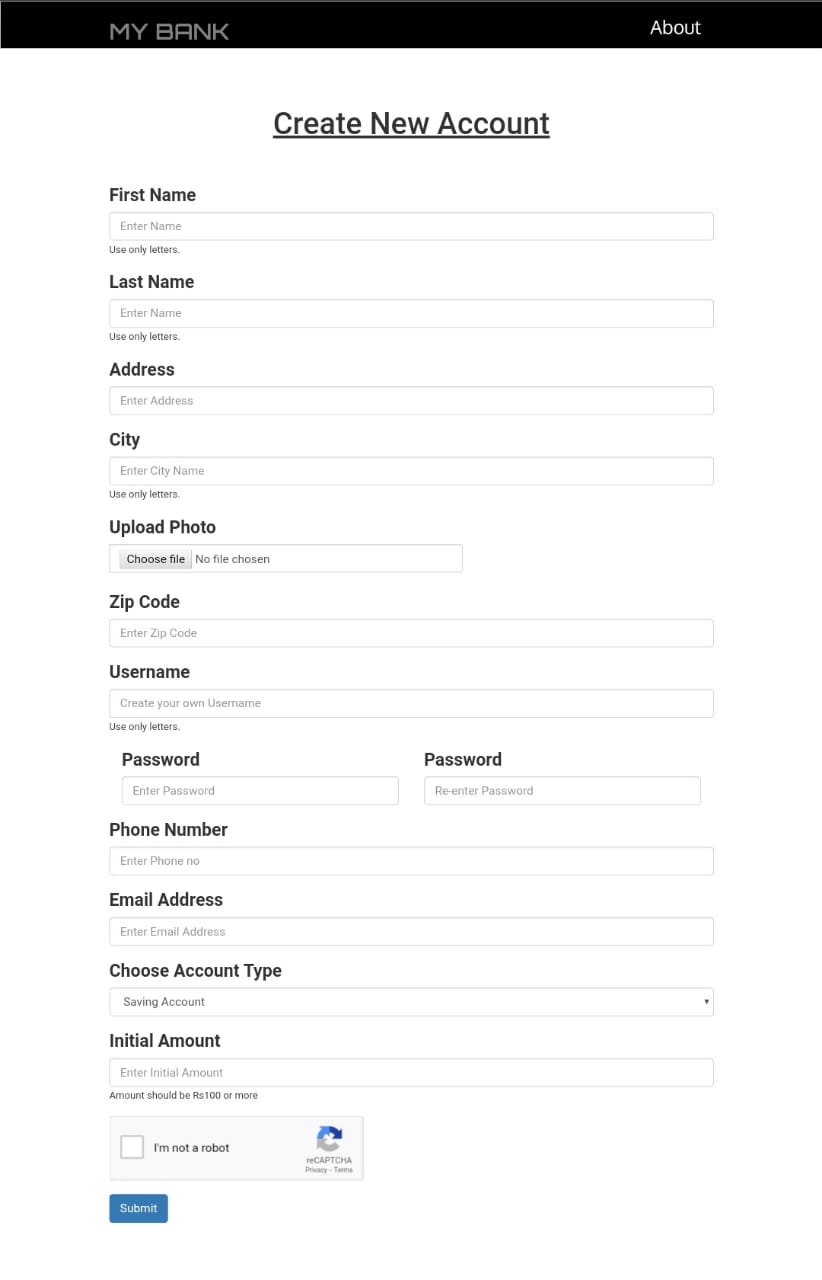
* Data Flow Diagram for overall system :

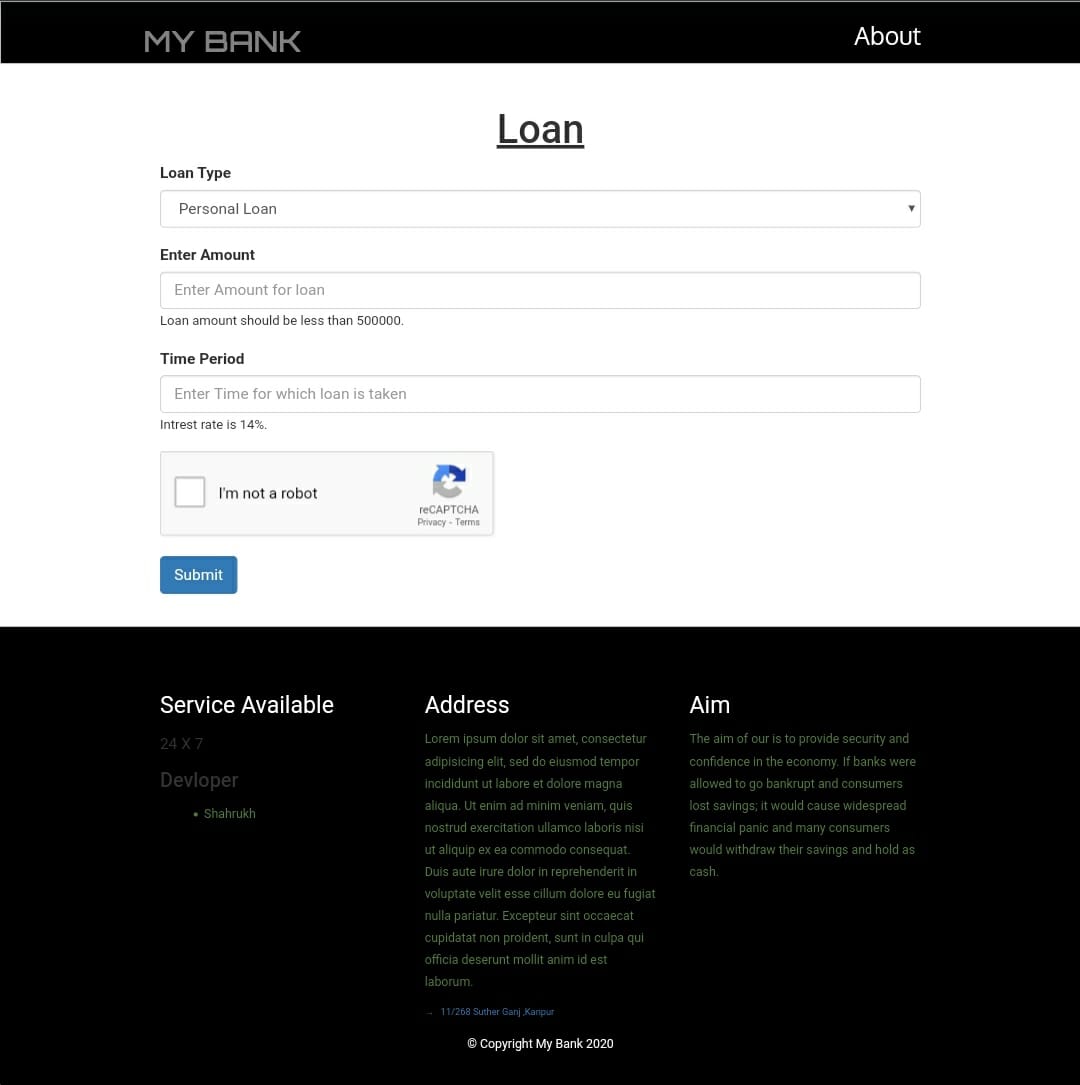


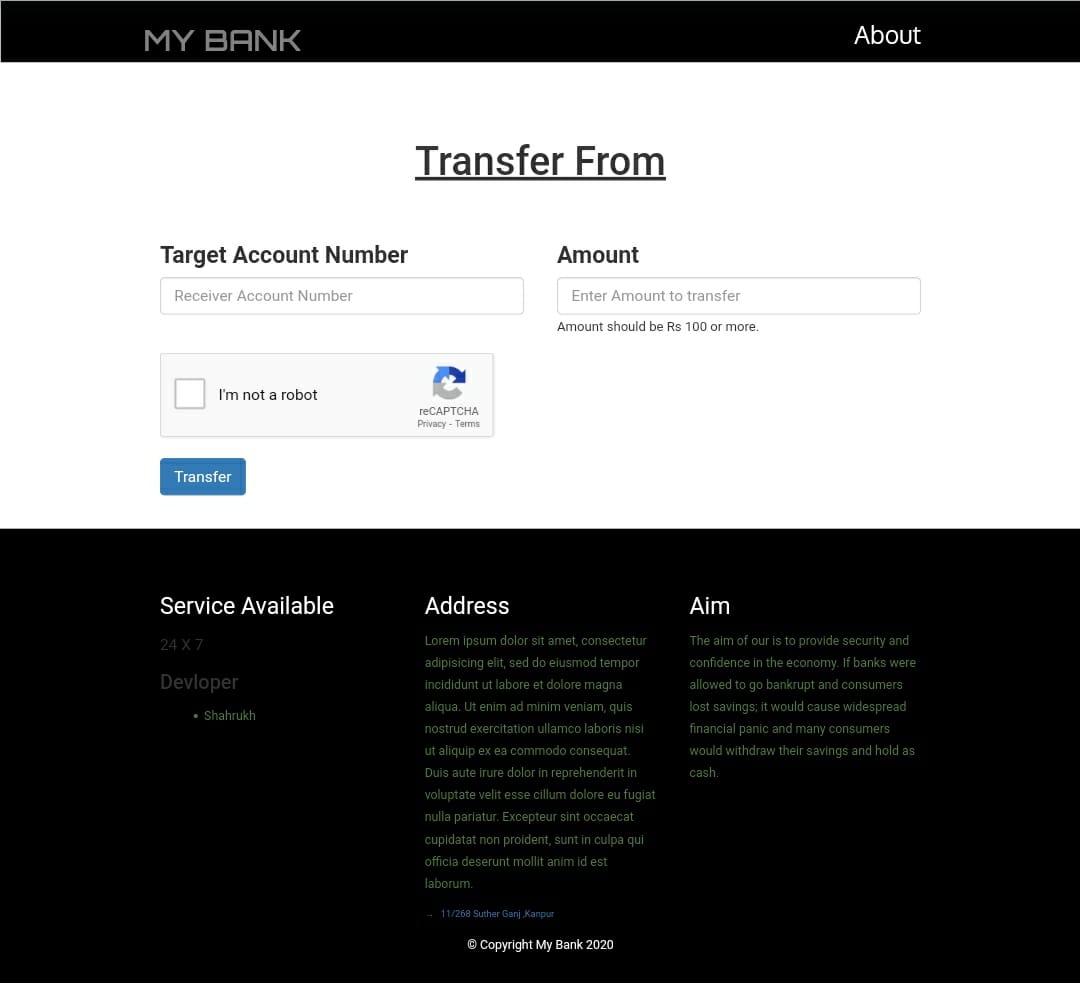
**Website Images**

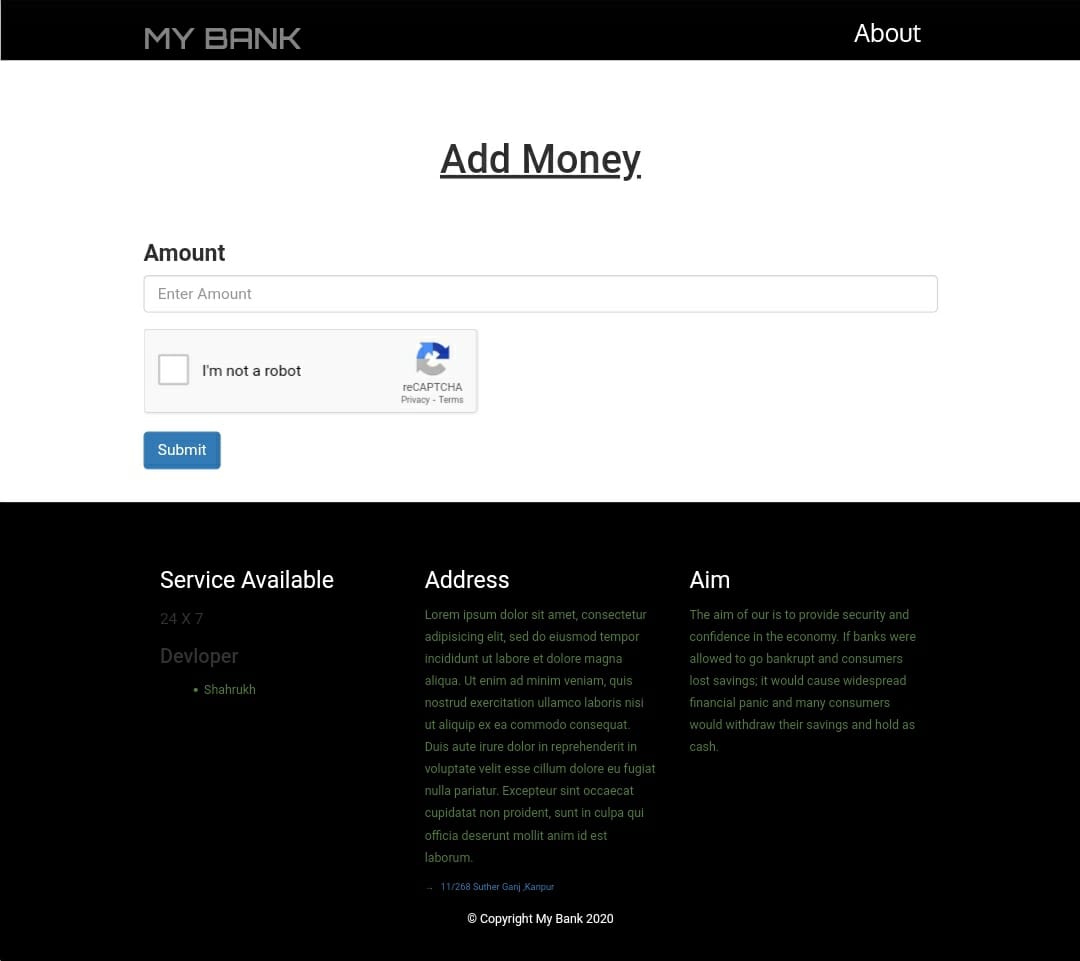
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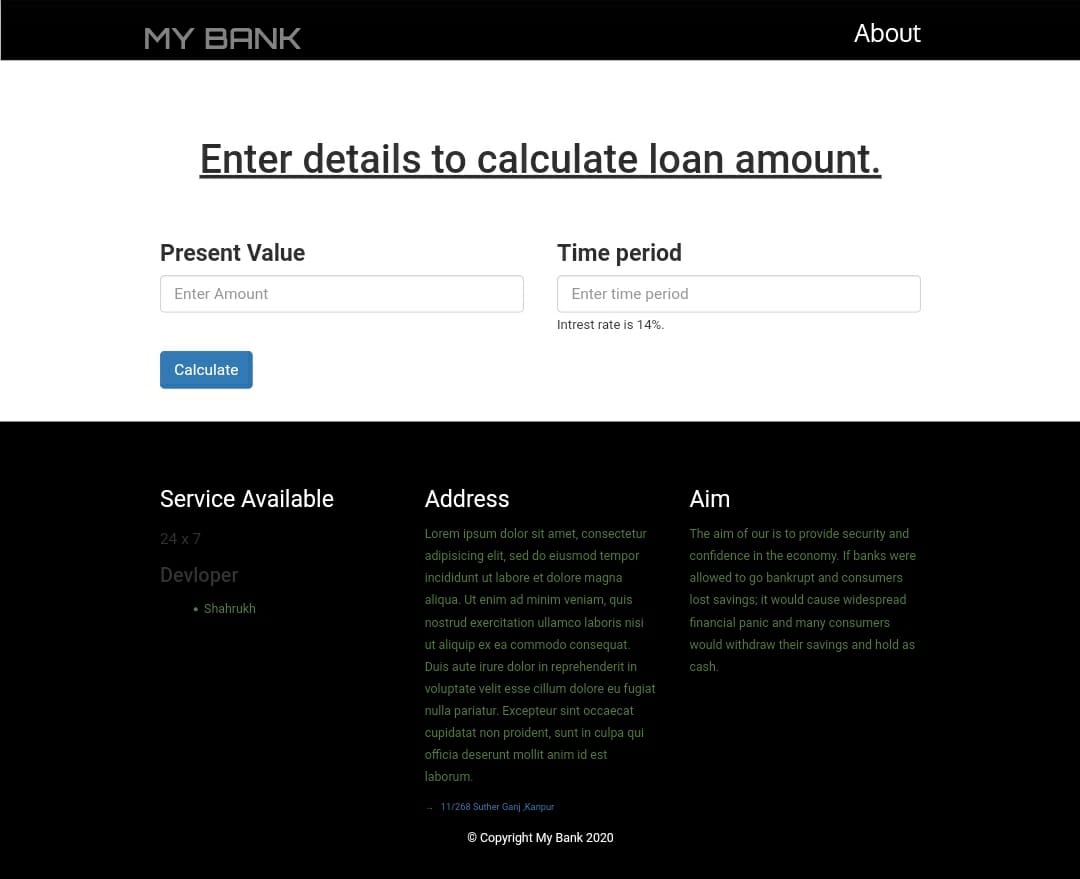
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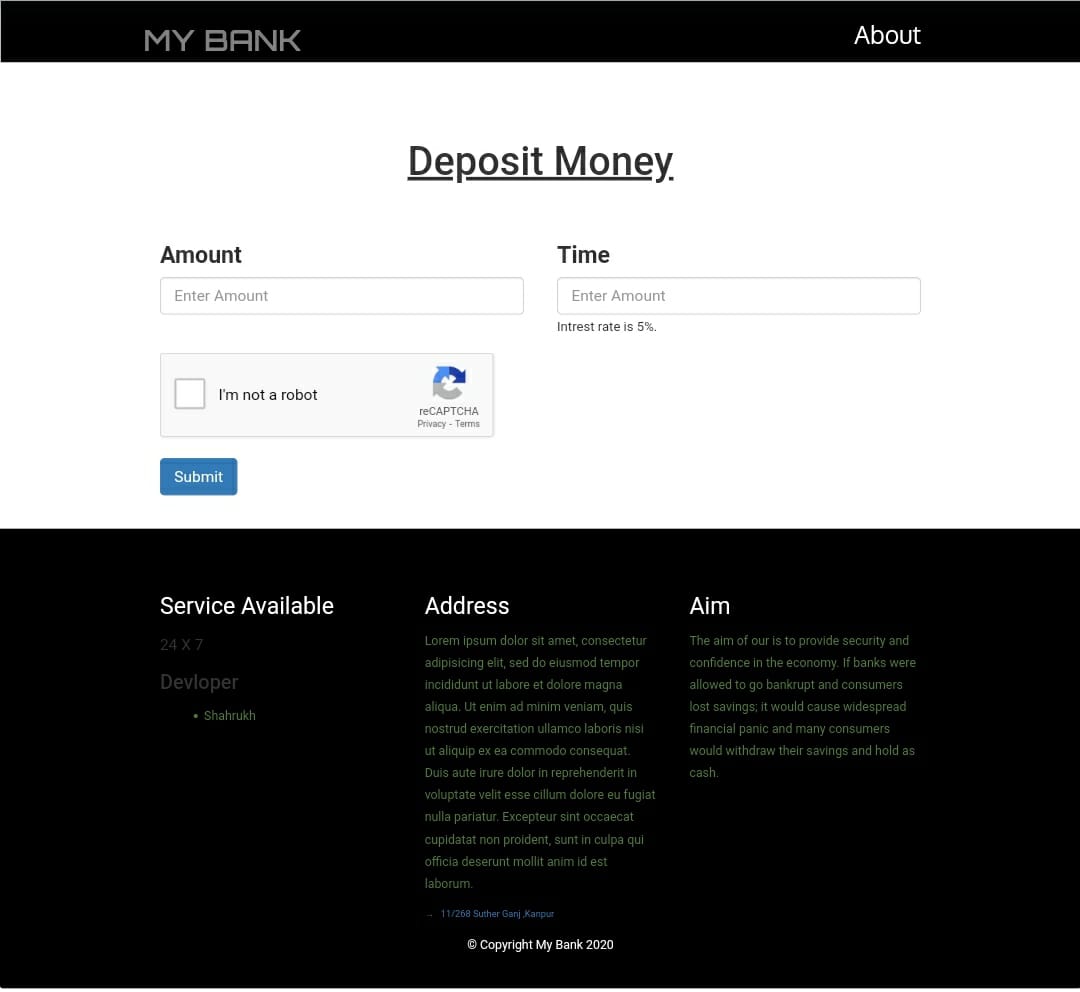
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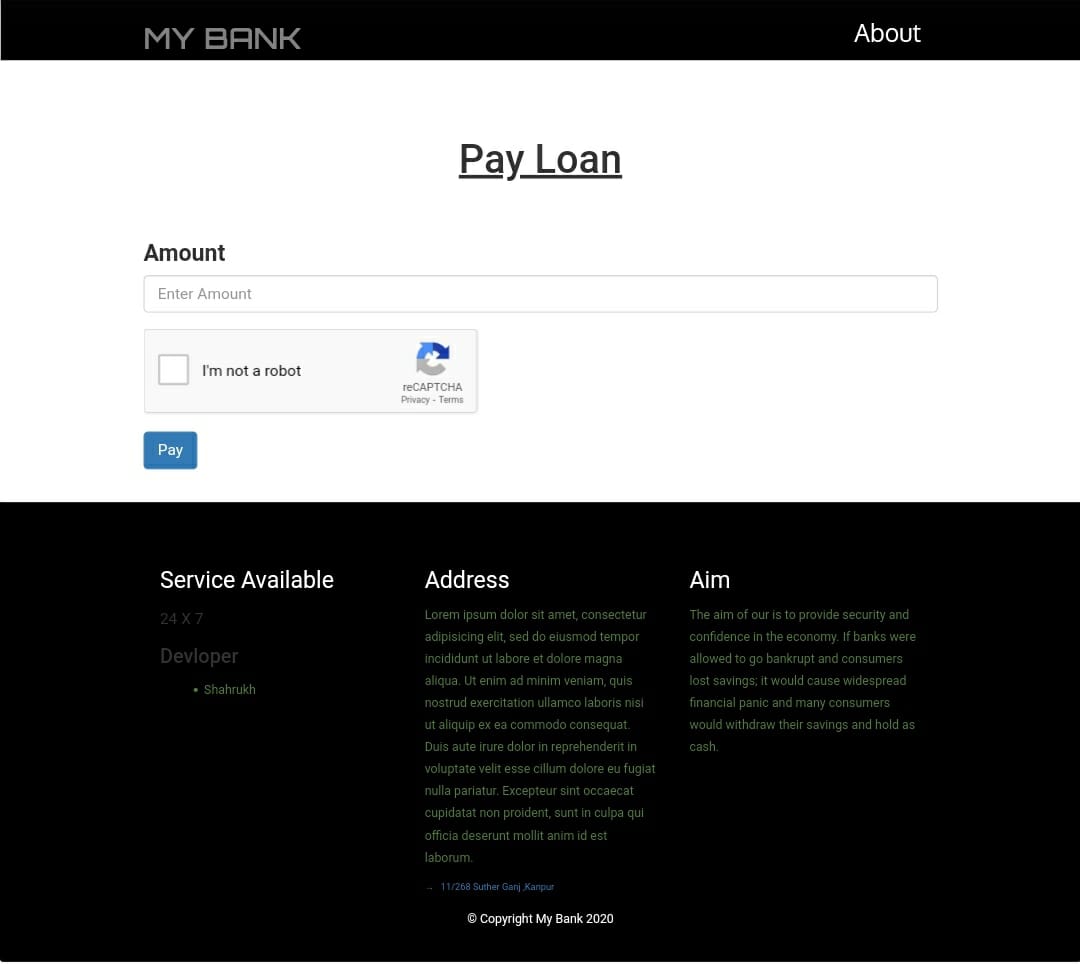
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