North South University
Department of Electrical and Computer Engineering

Project Proposal
Smart Banking Solution

DATABASE SYSTEM LAB
CSE311L
Section-2
Semester: Summer 2021

Student Name & ID:

Rifat Bin Yusuf
1912217642

Rifat Azim
1912353642

Rafat Ahmed
2012603642

Course Faculty

Mr. Ahmed Fahmin

Lab Instrcutor
Nazmul Alam Dipto

Submission Date: 12/07/2021

Prologue

Generally, personal finance management is a complicated task which is difficult to get into. Although many private and government controlled Banks offer plenty of information & services, the majority of the people often end up with confusion about the whole Banking procedure. The situation is even worse in some cases due to the presence of illegal unions, frauds and scammers who often pretend to represent a Bank or institution. Our Website will provide a sufficient amount of information and contacts in the simplest manner. Anyone can visit this platform and get an answer for their query. Additionally, direct connection with some reputed Banks can also be established from this website.

Goals

- Access to vast amount of Information related to Banking

- Access to a group of Banking experts

- Access to a community built around Banking financial services

- To provide Advertisement opportunities

- Opportunity to establish direct communication with desired Banks

- Additional FAQ Section for Mobile Finance Services

Value Proposition

Our primary vision is to reach out to general citizens and guide them to a meaningful Banking experience. Additionally, the website will minimize the time and effort required to access accurate information related to Banking. Hence, fraudulent businesses won't be able to harm anyone financially. Moreover, there are business opportunities embedded within the website's design where Banks certified agents can represent and promote their Bank.

Web Application Features Exposition

Visitors will get a glimpse of everything in the front page where most of the features are visible. In addition to that, there will be drop-down menus, tabs on the top of the website. Basic coloring of the tabs and menus will ensure that the design is attractive. Furthermore, a space for advertisement will be provided in the below-right corner while specific agents will be able to advertise their product on the left. A registration and login window will be situated near the drop-down menus on the top. However, the final design might look a little different, depending on the requirements. Upon entering the site, visitors can do the followings:

- Create an account
- Ask questions in the "Ask anything" box
- Click on drop-down menus to checkout crucial information about Banks
- Checkout advertisements
- Ask a question directly to the moderator on the "Ask a Mod" tab
- Contact specific banks from the top menus
- And more

Experts& Certified agents from different Banks will be able to:

- Create an account
- Request the Moderators/Admins to post their Ads
- Help visitors to establish contact with their Banks
- Contact Users/Visitors
- Answer questions and highlight their respective Bank's features
- Become moderators after a certain amount of time

Languages & Resources

- HTML
- CSS
- JavaScript
- PHP
- MySQL
- Apache Web Server
- SMTP Service

Challenges & Obstacles

Obviously, there are some obstacles that we'll need to overcome. Promotion of this website is crucial and difficult at the same time. Besides promotion, earning trust of the general public will also be a hefty task. In addition to that, crowd control & spam protection will be an issue since we are aiming to build a huge community around the website. The shortage of moderators might affect the user experience in the long run.