**Project Information**

**Online Banking Management System**

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**Problem Statement**

The Traditional way of maintaining details of a user in a bank was to enter the details and record them. Every time the user needs to perform some transactions he has to go to bank and perform the necessary actions, which may not be possible all the time. It may be a difficult process for both users and bankers. An Internet banking system will be developed to keep track of various transaction processes efficiently and will provide secure banking facilities to the customers over the internet.

**Background Information**

Bank is the place where customers feel the sense of safety for their property. In the bank, customers deposit and withdraw their money. Transaction of money also is a part where customer takes shelter of the bank. Now to keep the belief and trust of customers, there is the positive need for management of the bank, which can handle all this with comfort and ease. Smooth and efficient management affects the satisfaction of the customers and staff members, indirectly. And of course, it encourages management committee in taking some needed decision for future enhancement of the bank.

**Justifications**

* The way of maintaining details of users is time consuming.
* Client can do his operations comfortably without any risk or losing of his privacy.
* Will provide the easiest way for transferring money to another bank or country.

**Goal**

To develop a software program for managing the entire bank process related to Administration accounts, customers accounts and to keep track about their various transaction process efficiently.

**Objectives**

1. Client can do his operations comfortably without any risk or losing of his privacy.
2. Client doesn't need to go to the bank to do small operation.
3. Our software will perform and fulfill all the tasks that any customer would desire.
4. Build a web portal to provide confidentiality to employee records.
5. It helps the customer to be satisfied and comfortable in his choices, this protection contains customer’s account, money and his privacy.

**Modules**

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| --- | --- |
| **Modules/**  **Work Items** | **Description** |
| Create New Account | A customer who having the account in the world can create a virtual account through this module. This module receives the customer profile details and the bank account details with the proof of the ownership of the bank account. |
| Login | Virtual account holders can login in to the system using this module. Thus, this is the secured login page for the customers in the website. |
| Virtual Account | After the approval of new virtual account creation, the customer assigned a unique virtual account number to make the online money transactions. This module views the details of the logged customer's virtual account. |
| Bank Accounts | A customer may have more than one bank account in various banks, in this case, the customer prompted to decide which bank account should reflect in the account debit or amount credit. For these operations customers can add their owned bank accounts here and it will be approved by the administrations of the system. |
| Fund Transfer | This is the module to make fund transfer to the virtual bank account holders or the usual bank account holders from the customer's specified bank account. |
| Beneficiary | Beneficiary is a person who receives money. Here the customer can add the beneficiaries to make fund transfer in the future. |
| Transactions | This module displays the transactions made by the customer in the particular date with the transaction details. |
| Administrative control | This module contains the administrative functions such as view all virtual account, transactions, approve bank accounts, approve virtual accounts etc. |

**Scope**

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| --- | --- |
| **In Scope** | **Out of Scope** |
| Design and development of web portal for online banking management system | Hosting server provision/management |
| Testing of system |  |
| Secure and manageable code |  |
| Deployment |  |
| Inline Help file generation |  |

**Deliverables**

The complete web application along with all its database schemas

Help files

**Plan of work**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Phases** | **Details** | **Duration** | **Cost** |
| **1** | **Initial works** | Define the project in detail based on targeted business case. Stakeholders need to be identified, information should be collected to understand feasibility and business values. | 1 weeks | 10,000 |
| **2** | **Planning phase** | Clearly define specific and attainable goals. We will set a timeline, decide on project milestones and determine project deliverables in this phase. Works will be done in collaboration of all team members. Project will be broken down into smaller parts in this phase for better handling. | 1 weeks | 20,000 |
| **3** | **Execution phase** | Project development team will be created and works will be handed down to appropriate resources. Project progress will be monitored based on the schedule created in the previous phase. Design, development and testing of the product will be done by the development team. | 7 weeks | 1,00,000 |
| **4** | **Closing things up** | Look back at things and determine success level of the project. | 1 week | 5,000 |
| **Total Time** | | | **10 weeks** | **1,35,000** |

**Product development work breakdown (7 weeks)**

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| --- | --- | --- | --- |
| **#** | **Phases** | **Details** | **Duration** |
| 1 | Understand requirements | Requirements will be collected and documented in use case format. | 1/2 weeks |
| 2 | Architecture and design | Architecture of the product will be determined. Detailed design will be created to start the actual development. Technology platform will be decided. Design for data storage (database design) will be created. We will also create an initial test plan and test cases in this phase. | 1/2 weeks |
| 3 | Coding/Implementation phase | Implementation of the use cases will be done based on established practices and standards. Unit testing may be enforced for cleaner code. | 5 weeks |
| 4 | Testing | Testing will be done based on test plan and test cases. User acceptance testing will be done in closed groups. Bug fixes and regression testing will be done here. | 1/2 weeks |
| 5 | Deployment | Deploy the system and make it live for general users. | 1/2 week |
| **Total Time** | | | **7 weeks** |