ANTI CORRUPTION

Software Development

**SOFTBOSS MEMBER NAME**

MD SHAHRIAR HOSSIAN JIHAD

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**PROPOSED BY SOFT BOSS TEAM**

## **Project Idea:** Transaction Monitoring System & Identify Unauthorized Transection

## **About Of SOFTBOSS Team**

We Have 5 Members In Our Team. Our Team Member Is Md. Shahriar Hossain Jihad (Team Lead), Md Ehaoteshamul Islam Kishor, Md Soikat Hasan Rakib, Munjila Haque and Md Hanif Molla. We Are Designing A Software Project Named Anti-Corruption.

# **Project Overview**

The aim of this project is to develop a robust transaction monitoring software system that can identify unauthorized transactions across multiple banks. **It is a system which will be identify unauthorized transection and help anti-corruption department to find corrupt person** the system will be organized by some banks, with oversight and access provided to a central bank. The central bank will have access to all user and bank data and will be notified in real-time if any transaction exceeds predefined limits.

## **Objectives and Goals of the Project**

## Design and implement a transaction monitoring system capable of handling data from multiple banks.

## Allow the central bank to access all user and bank data for monitoring purposes.

## Set transaction limits and implement real-time alerts for transactions that exceed these limits.

## Ensure compliance with all relevant banking regulations and data privacy laws.

## **Scope of work:**

## The project will involve the development of a software system that interfaces with the existing banking infrastructure of some banks. It will include user authentication, data storage, transaction monitoring algorithms, and notification mechanisms. The system will be scalable to accommodate potential future expansion to additional banks.

**Methodology:**

**Requirement Analysis:** Gather detailed requirements from the participating banks and the central bank. Understand the types of transactions, limits, monitoring rules, and notification preferences.

## **System Design:** Design the architecture of the software system, including database schema, user interfaces, and integration points with the banks' systems.

## **Implementation:** Develop the software system using appropriate technologies and programming languages.

## **Testing:** Conduct rigorous testing to ensure the system functions as expected, including unit testing, integration testing, and user acceptance testing.

## Deployment: Deploy the system to a production environment, ensuring high availability and scalability.

## **Training and Documentation:** Provide training to bank staff and central bank personnel on how to use the system. Prepare comprehensive documentation outlining system functionality, deployment procedures, and troubleshooting guidelines.

# **Features:**

## A. **Key Features of Anti-Corruption**

* User login and registration
* User Dashboard
* Balance Transfer
* Admin login and registration
* Admin Dashboard
* Add user balance
* Super admin panel with dashboard
* Super Admin will monitor all the transactions and will be notified if any unauthorized transaction occurs

## **Timeline:**

* Member Selection and create a Team: 26-01-2024
* Proposal Submission Date: 09-02-2024
* Project Kickoff: 10-02-24
* Project Completion: Before Semester Final Exam

## Contact Information for Inquiries

For any inquiries related to this Project, please contact with Md. Shahriar Hossain at 01742735416 or jihadshahriar@gmail.com.

# **Technical Requirements**

## A. **IT Infrastructure Overview**

## Our current IT infrastructure consists of 5 workstations with local servers and a database for storage. The network is set up by wireless connection.

## B. Software Solutions Required

The proposed software solutions should include the latest versions of operating systems, productivity software named CodeBlocks, and security tools.