**Projects Requirements Document**

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**Title and Category**: System Access Management, Bank Management System

**Key words**: Bank, Management System, Employee Management, C#, MYSQL, Entity Framework

**Introduction:**

I. Overview description of the field

A bank is a commercial or state institution that provides financial services, including issuing money in form of coins, banknotes or debit cards, receiving deposits of money, lending money and processing transactions.

Since there are different types of functions and services in a bank system, each employee has their own access right to the different segment of the system. Thus, the maintenance of the employees’ access turns more and more complexed. A system access management is needed to face such changeling.

II. Problem Statement

A bank, in order to manage access for each system by IT department, uses Excel as an application form stored in a shared folder. With the forms increased rapidly, IT found it is hard to maintain if application form was updated. Also, due to no notification, they always forgot to add access or updated incorrect information to wrong employee when new requests were applied. In addition, it was impossible to make an audit of who has permissions to which system. Thus, IT decided to develop a kind of management system to help them to maintain all requests easily with notifications.

**Implementation:**

I. Existing similar Products

*Canopus EpaySuite by Canopus Innovative Technologies*

Canopus EpaySuite is an open technologically advanced software solution designed to automate and streamline operations of a payment service business.

*QwikDial by DAKCS*

Integrate with Your ARM / collection management system - Powerful Reporting and Scheduling Campaigns - Graphical Call Campaign Designer - Preview and Predictive Dialing - Recorded Calls

*Corniche by Megasol Technologies*

Designed for the management of private banks, offshore banks and other financial institutions involved in loans and payments, Corniche provides true multiple currency accounting with a uniform back-office interface, merchant and card services, payment interfaces and powerful Corniche on-line banking facilities.

*Insite Banking System by Automated Systems*

The Insite Banking System provides a complete CORE solution to community banks.

II. Main features

Functional:

Controlling Roles: Specific views and functionalities for different roles.

Creating Requests: New accesses request, removing access request, and terminating

employees.

Managing Requests: Viewing requests, and managing requests.

Viewing Reports: Application reports (Showing which employee are in each system and

application) and Employee reports. (Showing each employee’s permission to related systems

and applications)

Managing Employee: Adding, modifying, or deleting a new employee.

Managing System: Adding, modifying, or deleting a new system and application.

Managing Roles: Adding or modifying roles.

Managing Users: Adding or modifying users.

Non- functional:

Data searching function

Friendly user interface

Acceptable for multiple devices

Email notifications

III. Tools to be used

MYSQL, GitHub, Putty, Visual Studio 2013, Workbench, Etherpad.

**Conclusion:**

I. Contribution to the field

The primary goal of System Access Management is to help IT with remaining, managing, and auditing all requests form easily to systems and employees.

II. Other aspect of the work

To ensure every member in our team can sync data, we design to put MYSQL in HPC. Moreover, to ensure code synced, we will use GitHub.

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