**Proposal of System Access Management**



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Proposal Date: February 14th, 2016

**Introduction:**

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.

**Functionality:**

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.

**Keywords:**

C#, Entity Framework, MYSQL, SVN/GitHub, HPC

**Issues:**

1. Account to MYSQL in HPC.

2. How to connect remote MYSQL through management.

**Conclusion:**

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

**Reference:**

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