**Configuration Management Plan**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** | **Version** | **Author** | **Date** | **Comment** | **Peer review** | **Date** | **Comment** |
|
| **Internet Banking System** | **1.0** | **Alaa Gamal** | **29-Apr-19** | **Initiate CM plan** | **Hassan** | **2-May-19** | **1-Document Purpose/Scope not clear.**  **2-Roles and Responsibilities are missing.** |
| **Internet Banking System** | **1.1** | **Alaa Gamal** | **3-May-19-** | **Updated CM scope**  **Added Roles and Responsibilities table** |  |  |  |

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1. **Introduction:**

The primary focus of the Configuration Management (CM) is to identify and control major software changes, ensure that change is being properly implemented, and report changes to any other personnel or clients who may have an interest.

## **Scope of Configuration Management**

The objective of CM is to limit the impact changes may have on the entire system. This will help to eliminate unnecessary changes, and to monitor and control any necessary changes. This allows software development to continue, despite large and/or insignificant changes without significant backtracking, lessening development time and resulting in a higher-quality product.

The SCM team will oversee these activities, and any changes to existing code or architectural design must pass their inspection before they are carried out.Within a project the job of configuration management is used to provide:

* mechanisms for managing, tracking and keeping control of all the project's products; it keeps files and libraries of all the products of a project once they have been quality controlled, controlling access to them and maintaining records of their status
* safe and secure storage of each product in a way that is most appropriate for that product; this will include controlling access to the product in such a way as to avoid damage to the product and to protect against inappropriate access
* the ability to select and package the various components that compris the final working product

1. **Configuration Management Tool**

The tool that will be used in the banking system project will be GitHub.

Configuration Management Leader will be responsible to create Repository on GitHub

1. **Items of Configuration Management**
   1. Project Management Repository
   2. Requirement Repository.
   3. Design Repository.
   4. Development Repository.
   5. Testing Repository.
   6. Master Repository.

### **Project Management Repository**

Project Management Repository will include the plans documents of project as below

* + 1. Project plan
    2. Project Schedule
    3. Testing plan
    4. Development plan
    5. RTM (Tractability Matrix)
    6. Configuration Management plan
    7. Team structure
    8. Roles and responsibilities

### **Requirements Repository**

Requirements repository will include all requirements documents of the project as

* + 1. Customer Requirements
    2. Software Requirements Specification(SRS)
    3. Software Requirements Specification Peer Review (SRS PR)
    4. Software Interactive Questionnaire (SIQ)
    5. Risk plan
    6. Issues sheet

### **Design Repository**

Design repository will include all design documents of the project as

* + 1. System Design
    2. Low Level Design

### **Development Repository**

Development repository will include all code’s version

* + 1. Version of codes every version will be in a folder

### **Testing Repository**

Testing repository will include all items that has relation to testing as

* + 1. Test cases sheet
    2. Bug report
    3. Use cases

### **Master Repository (Main Repository)**

* + 1. Folders each folder contain version of base line of code, test cases, Design, SRS.

1. **Roles and Responsibilities**

| Name | Role | Responsibility |
| --- | --- | --- |
| Salsabeel salah | Project Manager | - Responsible for any updates to the Cis.  - Create Repository and merge commits into the master branch. |
| Ahmed Hamdy  Alaa Gamal  Sondos Mahmoud | Development Team | commit files to repository with meaningful commit message that describes the change you made to the file. |
| Hassan Yousri  Khadija Mostafa | Testing Team | commit files to repository with meaningful commit message that describes the change you made to the file. |