**PROJECT QUALITY PLAN**

# <Logo>

<Project Name>

<Phase #>

| # | Student Name | ID | Responsibilities |
| --- | --- | --- | --- |
| 1 |  |  |  |
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**Instructor Name:**

| 1. Introduction to the project |
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| *Introduction to this project, the quality plan, what are we going to discuss in the document… etc* |
|  |

| 2. Purpose of Quality Plan for project الهدف من القيام خطة ضمان الجودة للبرنامج |
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| *Describe the Purpose of the quality plan. Why we do it? why is it so important? And why we should adhere to it.* |
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| 3. Project Scope وصف وملخص بمهام البرنامج |
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| *Describe the project, and the scope of project. What it will do & how it will do it.* |
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| 4. General Constraints قيود على البرنامج | |
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| *Constraints on the project that it must adhere to it. (****Min 4, Max 6)*** | |
| 1. All scripts shall be written in C# language. 2. The data type that should transfer between the system components should be in XML format. 3. The System shall run under Linux environment and it should have the ability to transfer later on in Windows 2000 environment. |  |

| 5. Functional Requirements | |
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| 1. |  |
| 2. |  |
| 3. |  |

| 6. System and Integration Requirements |
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| *[Include information about integration requirements, such as security, output management, deployment issues, infrastructure* ***(Min 3, Max 5)*** |

1. The Employee can access the system from corporate Intranet inside the company if he is authorized.
2. The system will also receive event notification if there is any natural disasters occurred from government system.

| 7. Quality goals |
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| *The term “quality goals” refers to the developed software system’s*  *Quality requirements. (****McCall's Quality Factors)*** |

| **Requirements** | **McCall's Quality Factors** |
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| 8. Planned Reviews |
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| *The quality plan should provide a complete listing of all planned review*  *Activities* ***(Min 2 activities, Max 3 activities)* You will need to show how these activities could be performed on the 5 phases of the SDLC. Check below example.** |
| * Project Reviews: These are project team work sessions in which the team reviews all deliverables for a phase before scheduling a methodology review. * Walkthroughs: These are group work sessions in which the walkthrough team validates the deliverable using previously defined scripts, presentations, question & answer sessions, and brainstorming sessions, if appropriate. * Inspections: These are reviews of a deliverable by the Executive Committee, or sometimes by an implementation team, for the purpose of inspecting and approving the deliverable. |
| **Example:**  **Project Reviews.** These are project team work sessions in which the team reviews all deliverables for a phase before scheduling a methodology review. *( 3 for each SDLC)*  **Requirements gathering and analysis:**  1. Requirements refinements contract.  2. List of all Saudi Health care ministry recommendations.  3. List of all Saudi Health care ministry recommendations.  **Software Design:**  1. Deployment diagram.  **Implementation:**  1.Bluetooth interface implementation.  **Testing:**  1.Integration testing for the Bluetooth connection.  **Maintenance:**  1.Updating and patching critical update plan.  **Walkthroughs:** These are group work sessions in which the walkthrough team validates the deliverable using previously defined scripts, presentations, question & answer sessions, and brainstorming sessions, if appropriate. *( 3 for each SDLC)*  **Requirements Gathering and analysis:**  1.Requirements refinements contract. Are all the refinements signed by the customer?  **Implementation:**  1.Bluetooth interface implementation: Does the implementation uses the native API and utilize the best practices? |

| 9. Planned Verification Tests *Min 3 tests, Max 5* |
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| *Verification: The process of evaluating software to determine whether the products of a given development phase satisfy the conditions imposed at the start of that phase*  ***#Verification: Are we building the product right?*** |
| 1. Testing if The Bluetooth interface implementation uses secure connection. |

| 10. Planned Validation Tests *Min 3 tests, Max 5* |
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| The process of evaluating software during or at the end of the development process to determine whether it satisfies specified requirements.  **#Validation: Are we building the right product?** |
| 1. **Testing if the application can let the user create an account** |

| 11. Planned Acceptance Tests |
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| acceptance testing is a test conducted to determine if the requirements of a specification or contract satisfy the user |
| **Example:** There will be two acceptance testing:   1. First acceptance testing will be after designing the software. There will be a mock-up that the user will interact with. The mock-up must implement all The functional requirements. 2. Second one will be after finishing the product. Any failing test will be planned to be fixed in the next update. |

| 12. Planned configuration management. |
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| Software configuration management encompasses the disciplines and techniques of initiating, evaluating, and controlling change to software products during and after the development process. |
| **Software Storage**  *[what, where, how]*  *The application will user AWS as a storage and server. The server will have these specification: …….*  **Security and Backups**  *[what, where, how, how often]*  *The server will serve its content through HTTPS and every data will be encrypted using HMAC. For the backups, the system will use AWS backup system*  **Version Control**  *[Add a tool that will be used , write the process that will be used]* |

| 13. Project Team Quality Responsibilities | | | |
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| Describe quality-related responsibilities of the Project Team including specific tasks such as acceptance test, review and configuration management responsibility assignments | | | |
| *Name* | *Role* | *Signature* | *Date* |
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