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# PROJECT QUALITY PLAN

# <Logo>

<Project Name>

<Phase #>

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

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| **1. Introduction to the project** |
| *Introduction to this project, the quality plan, what are we going to discuss in the document… etc* |
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| **2. Purpose of Quality Plan for project** |
| *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** |
| *Describe the project, and the scope of project. What it will do & how it will do it.* |
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| **4. General Constraints** | |
| *Constraints on the project that it must adhere to it.* | |
| Ex:   1. The data type that should transfer between the system components should be in XML format. 2. The System shall run under Linux environment and it should have the ability to transfer later on in Windows 2000 environment. |  |

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

Ex:

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.

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

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| **Requirement** | **Refine Requirement** | **McCall Quality Factor** |
| *Requirement from phase 1* | *Refine the requirement* | *Corresponding quality factor* |

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| 8. Planned Reviews |
| *The quality plan should provide a complete listing of all planned review*  *activities* |
| * 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.   Note: Write at least 3 deliverables for each SDLC phase (5 phases: Requirements and analysis, Design, Implementation, Testing, Maintenance).  Examples:  **Project Reviews**  Phase 1: Requirement gathering and Analysis   1. Requirement specification document.   …  Phase 4: Testing   1. Testing receipt printing process.   Phase 5: Maintenance   1. Add new functionality to the system. |
| **Walkthrough**  Phase 1: Requirement gathering and Analysis   1. Requirement specification document: Does each requirement consistent with other requirements in this document and with the stated goals of the system?   …  Phase 4: Testing   1. Testing receipt printing process: Does the system print the receipt every time with the bank criteria?   Phase 5: Maintenance   1. Add new functionality to the system: Does the code able to accommodate new module? |

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| 9. Planned Verification Tests |
| *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?* |

Example:

1. Test if the system is easy to use: the average time for the users to learn how to use the system shall not exceed 30 minutes.

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| 10. Planned Validation Tests |
| 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? |
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Example:

1. The administrator shall be able to edit users’ account information: Test if the administrator has the ability to edit user account information.

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| 11. Planned Acceptance Tests |
| acceptance testing is a test conducted to determine if the requirements of a specification or contract are satisfy the user |
| Note: You need to specify the number of acceptance testing you will perform, when each one will be and what will you do on it.  Example:   1. First acceptance testing will be after design phase; a prototype will be given to the customer so that he/she can try the system and provide feedback. |

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| 12. Planned configuration management. |
| 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]*  **Security and Backups**  *[what, where, how, how often]*  **Version Control**  *[tool, process]*  Example:  **Software Storage**  The application will use Microsoft Azure as a storage and server. Azure Storage is the cloud storage solution for modern applications that rely on durability, availability, and scalability to meet the needs of their customers.  **Security and Backups**  The system will use Hashed Message Authentication Code (HMAC) to secure the data and credit as Combines authentication via a shared secret with hashing. For backups we will use RDIFF-BACKUP.  **Version Control**  The application will be using Concurrent Versions System (CVS), It can run scripts which you can supply to log CVS operations or enforce site-specific police. |

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| 13. Project Team Quality Responsibilities | | | |
| 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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