

Quality System Checklist
Requirements Specification

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| Project Name :Claims Processing System | | PIF ID: | Dept: Team D |
|---|---|----------------|---|
| Review Items: | | | |
| SL. No. | Point to be verified | Y/N/NA | If Y, review item and the section where this issue is dealt with ; If N, reason and action plan; If NA, reason |
| Introduction | | | |
| 1 | Is the background information of the project given? | Y | SECTION 1.1 AND 1.2 OF SRS |
| System/software Requirements | | | |
| 2 | Are the assumptions and dependencies of the project described? E.g.: assumption of a concept, Operating system, hardware etc. | Y | |
| Functional requirements | | | |
| 3 | Is the summary of the major functions that the system/software will perform mentioned? | Y | SECTION 2.2 OF SRS |
| 4 | For each major functionality, are the Input, Process and Output specifications mentioned? | Y | SECTION 2.2 OF SRS |
| 5 | If Conventional data modelling is used, are the Block diagram / Context diagram available to depict the total environment of the system showing interactions with external elements and flow of information to and from the system? | NA | Using OOAD APPROACH |
| 5.1 | Are Data Flow Diagrams for different levels/ any other data modeling depiction available? | NA | Using OOAD APPROACH |
| 5.2 | Is an introduction given for each process in the Level 1 DFDs? | NA | Using OOAD APPROACH |
| 5.3 | Are all inputs and outputs mentioned for each process in the Level 1 DFDs? | NA | Using OOAD APPROACH |
| 5.4 | Are Process Specifications given for each process in the Level 1 DFDs? | NA | Using OOAD APPROACH |
| 7. | Are the outputs clearly mentioned for invalid or out of range inputs? | Y | SECTION 3.4 OF SRS |
| 8. | If the project is a component of a larger system, then are the interfaces and functional requirements of the larger system, which affect this project clear? | N | AS THIS IS A SEPARATE SYSTEM ON ITS OWN, NO INTEGRATION WITH THE OTHER SUBSYSTEMS IS REQUIRED |
| 9. | Are all the functional requirements measurable and verifiable? (E.g. Avoid requirements like: The output should be good or response should be fast. Correct Way: The response time should be within 10 milliseconds) | N | WE DON'T HAVE ANY MEASURABLE OUTPUT PARAMETER |

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| User Interface Requirements | | | |
| 10. | Are there any Graphical User interfaces (GUI) in the project? Is there clarity on those GUI screens? | Y | SECTION 2.3 OF SRS |
| 11. | Are the block diagrams/snapshots of the various GUI screens shown in the RS document? | Y | SECTION 2.3 OF SRS |
| Interface Requirements | | | |
| 13 | Are all the interfaces, external and internal identified? | N | SECTION 2.4 OF SRS |
| 14 | Are all hardware interface requirements clearly mentioned? | | |
| 14. | Are all system/software interface requirements clearly mentioned? | Y | SECTION 2 OF SRS |
| Design and Testing/quality-checks Related Requirements | | | |
| 15. | Are there any special design considerations that need to be taken into account? | NA | AS THIS IS A MOCK PROJECT, NO SPECIAL DESIGN CONSIDERATION |
| 16. | Is the use of any existing component specified? (For example, system/software library, etc.) | Y | SECTION 3.1 OF SRS |
| 17. | Is there clarity on any additional information required from the customer (like structure definitions to read from/write to a file)? * | N | REQUIREMENTS ARE FULLY SPECIFIED |
| 18. | Are sufficient free resources available on the target for the outcome of the project? (E.g. Memory, ports, timers, counters, interrupt lines etc.)? | Y | SECTION 2.1 OF SRS |
| 19. | Is there enough information on the target (like real time kernel)/development system/software environment? | Y | SECTION 3.1 OF SRS |
| 20. | Are there any error/exceptions handling conditions specified? | Y | SECTION 3.4 OF SRS |
| 21. | Can test cases/conditions be designed for each requirement? Are all the requirements testable? Are there any constraints with respect to testing/quality-checks the system/software at IQGateway? If so, have these been addressed? | NA | SECTION 4 OF SRS |

Performance Requirements

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|---------|---|--------|--|
| 22. | Are the performance requirements clearly specified? (For example, the response time, efficiency etc.) | NA | AS THIS IS A MOCK PROJECT AND NOT A REALTIME PROJECT, NO PERFORMANCE REQUIREMENTS |
| 23. | Is the number of terminals/users to be supported identified? | Y | SECTION 2.2 OF SRS |

Miscellaneous

| | | | |
|-----|--|----|---|
| 24. | Are all the unique requirements tagged? | Y | SECTION 3.4 AND 2.2 OF SRS |
| 25. | Is mapping from source to derived and other dependent requirements established? | Y | REQUIREMENT_TO_REQUIREMENT TRACABILITY DOCUMENT |
| 26. | Are there any system/software characteristic requirements as related to reliability, usability, maintainability, functionality, portability etc specified? | NA | AS THIS IS A MOCK PROJECT, NO OTHER SYSTEM/SOFTWARE CHARACTERISTICS |
| 27. | Does the system/software acceptance criteria correspond to the technical requirements? | Y | SECTION 6 OF SRS |
| 28. | Is the requirement document 'Consistent' in describing the functionality? (E.g. At one place the 'Output response = Turning on the LED' and at another place 'Output response = a message is displayed'. | Y | |
| 29. | Is the requirements document consistent in usage of terms? (E.g. At one place the user is mentioned as 'Accountant' and at another place as 'Customer'. Avoid such inconsistency). | Y | |
| 30. | Are the requirements free of redundancies? (Same requirement(s) mentioned in more than one place should be recognized and removed) | Y | SECTION 2.2 OF SRS |
| 31. | Are all abbreviations, acronyms and definitions used in the document listed and defined? | Y | SECTION 1.3 OF SRS |

Legend: Y – Yes; N – No; NA – Not Applicable;
DFD – Data Flow Diagram; RS – Requirements Specification;

| Reviewed By: | | | | |
|--------------|--|--------------|--|------------------|
| Name | | Dept | | Signature |
| Date | | Group | | |