Review Checklist for Software Requirements

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| **Completeness** | Do the requirements address all known customer or system needs? | Yes | The requirements address inventory management, order processing, sales tracking, and customer management. |
| Is any needed information missing? If so, is it identified as TBD? | Yes | Specific report types and potential third-party integrations are identified as TBD |
| Have algorithms intrinsic to the functional requirements been defined? | Yes | Algorithms for inventory adjustments based on sales and demand forecasting are defined. |
| Are all external hardware, software, and communication interfaces defined? | Yes | interfaces for POS systems, baking ovens, and accounting software are defined. |
| Is the expected behavior documented for all anticipated error conditions? | Yes | behaviors for low stock alerts, payment processing errors, and system downtime are documented. |
| Do the requirements provide an adequate basis for design and test? | Yes | the requirements detail functionality that can be designed and tested effectively. |
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| Is the implementation priority of each requirement included? | Yes | Requirements are prioritized with high-priority items such as sales tracking and inventory management listed first. |
| Is each requirement in scope for the project, release, or iteration? | Yes | Each requirement is scoped appropriately for the current project and iterations. |
| **Correctness** | Do any requirements conflict with or duplicate other requirements? | No | Requirements have been reviewed for conflicts and duplications. |
| Is each requirement written in clear, concise, unambiguous, grammatically correct language? | Yes | All requirements are written clearly and concisely. |
| Is each requirement verifiable by testing, demonstration, review, or analysis? | Yes | All requirements are designed to be verifiable through various means, including testing and demonstrations. |
| Are any specified error messages clear and meaningful? | Yes | Error messages are clear and meaningful (e.g., "Ingredient stock low" instead of "Error 404"). |
| Are all requirements actually requirements, not solutions or design or implementation constraints? | Yes | All statements are framed as requirements, not solutions or constraints. |
| Are the requirements technically feasible and implementable within known constraints? | Yes | The requirements are feasible within the current technology and budget constraints. |
| **Quality Attributes** | Are other quality attributes documented and quantified, with the acceptable tradeoffs specified? | Yes | Quality attributes like system reliability and speed are documented with acceptable trade-offs. |
| Are the time-critical functions identified, and timing criteria specified for them? | Yes | Time-critical functions like real-time inventory updates and quick order processing have specified timing criteria. |
| Have internationalization and localization issues been adequately addressed? | Yes | Requirements include support for multiple languages and regional settings. |
| Are all of the quality requirements measurable? | Yes | Quality requirements such as system uptime and order processing speed are measurable. |
| **Organization and Traceability** | Are the requirements organized in a logical and accessible way? | Yes | Requirements are grouped by functionality (e.g., inventory, sales, customer management). |
| Are all internal cross-references to other requirements correct? | Yes | All cross-references have been checked for accuracy. |
| Are all requirements written at a consistent and appropriate level of detail? | Yes | Each requirement maintains a consistent level of detail. |
| Is each requirement uniquely and correctly identified? | Yes | Each requirement has a unique identifier. |
| Is each functional requirement traced back to its origin (e.g., system requirement, business rule)? | Yes | Each requirement is traced back to its source, such as a business rule or stakeholder need. |
| **Other Issues** | Are any use cases or process flows missing? | No | Use cases and process flows for order processing, inventory management, and sales tracking are included. |
| Are any alternative flows, exceptions, or other information missing from use cases? | No | Alternative flows and exception handling are included in the use cases. |
| Are all of the business rules identified? | Yes | Business rules such as discount policies and loyalty programs are identified. |
| Are there any missing visual models that would provide clarity or completeness? | No | Visual models such as workflow diagrams and UI mockups are included. |
| Are all necessary report specifications present and complete? | Yes | Specifications for necessary reports like sales summaries and inventory status are complete. |