Review Checklist for Software Requirements

## 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, the requirements address inventory management, order processing, sales tracking, and customer management.

* 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.

* 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 all usability, performance, security, and safety objectives properly specified?

Yes, objectives for usability (user-friendly interface), performance (real-time processing), security (secure transactions), and safety (safe data handling) are specified.

* 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.