Smart Retail Inventory Management SRS V1
Client Feedback

NOVAFLECT

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31/10/2023

1. Do requirements exhibit a clear distinction between functions and data?

→ Yes, the requirements clearly distinguish between the functions of the system and the data that is required.

→ The functions like
- Keeping track of what is available in stock
- Modifying inventory count
- Locating products
- The number of items in stock may be modified or tracked
- Make a clear distinction that the SKU data will help the system to properly implement these functionality

2. Do requirements define all the information to be displayed to users?

→ Yes, the requirements define all the requested UI and more.

→ The usability attribute that the user will be able to understand the software within 12 hours is an impressive attribute which ensures that the system is user-friendly

→ The UI attribute that users will be authorized before they are given permission ensures the hierarchical system of the company.

3. Do requirements address system and user response to error conditions?

→ No, the requirements don't address any system or user response to error conditions. It only gives a brief discussion about the system hosting a help file for all of its functionality.

4. Is each requirement stated clearly, concisely, and unambiguously?

→ Yes, all the requirements discussed during the requirement elicitation are present in the document with a clear description of the requirements.

5. Is each requirement testable?

→ Yes, all the requirements are testable. In essence, every requirement is a statement of what the system must be able to accomplish or demonstrate. Therefore, testing can be done to see if the system satisfies that particular need.

6. Are there ambiguous or implied requirements?

→ No, there are no such requirements.

7. Are there conflicting requirements?

→ Yes, there are some conflicting requirements, namely that assumption 2.4.4 conflicts with 3.1.4 and 3.1.2. Matching consumer demand with inventory is the goal of optimizing inventory levels and is therefore part of the requirements.

8. Are there areas not addressed in the SRS that need to be?

➔ Yes, there are areas not addressed in the SRS. Some of the areas in the SRS document talk about a hospital system instead of the smart retail management system; those areas are missing from this SRS.

9. Are performance requirements (such as response time, and data storage requirements) stated?

➔ Yes, some performance requirements are briefly stated however they lack depth and detail. The document mentions that "large amounts of data" must be stored and transmitted throughout the system yet there are no specific requirements for the quantity of data being stored. Furthermore, there are no specifications for how the data should be stored. The document does not state a preference for any particular form of data storage (such as Cloud Services, NoSQL Databases, Local Storage, etc.).

10. If the requirements involve complex decision chains, are they expressed in a form that facilitates comprehension (i.e., decision tables, decision trees, etc.)?

➔ No, there are no diagrams or visual aids used to illustrate complex decision chains.

11. Have requirements for performing software upgrades been specified?

➔ Somewhat, security aspects are listed as "consistently integrated and upgraded" in section 2.25, but no clear requirements are listed.

12. Are there requirements that contain an unnecessary level of design detail?

➔ It does not seem to contain an unnecessary amount of detail. The SRS focuses on functional and non-functional requirements, architectural software descriptions, and use cases. However, it does contain some sections of the given sample SRS from the lecture which is irrelevant to our RFP and does make some areas confusing to follow along and read.

13. Have the real-time constraints been specified in sufficient detail?

➔ Somewhat, in section 3.4, mentions that response time for certain interactions must be within 3 seconds and that security patches will be within 72 hours of detection. However, there isn't much detail in regard to specific use cases. It's essential to recognize and define the precise use cases or scenarios where real-time restrictions are applicable in order to guarantee their efficient fulfilment.

14. Has the precision and accuracy of calculations been specified?

➔ 3.1.6 mentions calculating profitability by the tracking of everything sold and bought in real-time, but no hard specifics or any other calculations for that matter were given
➔ 3.1.1.1 discusses the need for real-time tracking of inventory items

15. Is it possible to develop a thorough set of tests based on the information contained in the SRS? If not, what information is missing?

➔ It is possible to develop a thorough set of tests based on the requirements contained in the SRS. It provides extensive descriptions of the system functionality, which certain test cases can be created from. However, missing use cases might lead to overlooking some of the requirements. Additional details such as error handling can also create a more comprehensive set of tests.

16. Have Assumptions and Dependencies been clearly stated?

➔ Yes, assumptions have been stated and general dependencies are mentioned, but nothing specific. There isn't a lot of information available about these dependencies and assumptions.

17. Does the document contain all the information called out in the outline for the SRS?

➔ Yes, the document contains all the information that is called for in the outline of the SRS but is missing some use cases in section 4.3 even though they are mentioned in section 3.1. (eg view sales analysis, approve purchase order). Additionally, there is content from the provided sample SRS that can make the document more confusing to the reader

Inspection Summary

The developer team has provided a thorough specification of the requirements. They have listed all functional requirements in section 3.1 and non-functional requirements from section 3.2 - 3.7.

They have also provided detailed Use Cases in section 4.3 but are missing use cases to view notifications as well as approve reorders. Sections 2.2.4 and 3.1.5 should be modified since customers will not be shopping on the system or viewing products. However, they should be able to leave reviews to be used by the data analysis and reporting module or the Alert/Notification module for re-ordering.

The non-functional requirements provided are detailed and measurable, and the stakeholder list is comprehensive.