

Technological Institute of Costa Rica

Computer Engineering School

Inspection Report

Software Quality Assurance

I-2024

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Revision Log

Date	Version	Changes
April 4, 2024.	1.0.	Report produced by the Inspection Recorder.

Inspection Report

Introduction

The following report documents the inspection process, decisions, and results regarding the inspection of the software requirements document of the project.

Inspection Preparation

The Inspection Team was formed by Marco Herrera González, who served as the Inspection Leader and Recorder; María Paula Bolaños Apú, who served as an Inspector; Jeffrey Leiva Cascante, who served as an Inspector; and members of the Development Team, who served as Authors and Readers. Each member of the Inspection Team used one hour of time to prepare for the inspection meeting.

The product that was reviewed was the software requirements document of the project. The document consisted of thirteen pages of material. This document was the only input for the inspection.

Inspection Objectives

The objectives defined for the inspection were:

- Ensure the completeness, no ambiguity, correctness, and categorization of the requirements of the project contained in the software requirements document.
- Report any anomalies, errors, and ambiguities contained in the software requirements document of the project.
- Verify the correct writing, grammar, and syntax of the software requirements document of the project.

Completion Criteria

The item under inspection will be considered as approved if there are no critical or catastrophic anomalies found. If there are critical or catastrophic anomalies, then the item will be rejected, and another inspection will have to be conducted on the fixed item. If there are negligible and marginal anomalies, the item will be partially approved until anomalies are fixed, when the item will be totally approved.

Inspection Meeting

The inspection meeting was performed on April 4, 2024, with a total duration of one and a half hour. All members of the Inspection Team were present. During the meeting, the entire document of the software requirements was inspected. Findings of the inspection are specified in the following sections.

Anomaly List

The anomalies found by the inspectors in the software requirements document, discussed during the inspection meeting are:

- The document does not categorize the software requirements by priority or importance to the system overall. This is a missing-type anomaly, with a marginal impact.
- On page 8, paragraph 3, the requirement does not specify the data that is needed to register a user in the system. This is a missing-type anomaly, with a marginal impact.
- On page 10, paragraph 2, the requirement does not specify if there is a maximum amount of a product that the user can add to their shopping cart. This is a missing-type anomaly, with a marginal impact.
- On page 10, paragraph 3, the requirement does not specify the process that has to be applied to calculate the shipping fee of an order. This is a missing-type anomaly, with a marginal impact.
- On page 10, paragraph 4, the requirement does not specify the valid format of images that can be uploaded into the system. Also, a maximum size of the photo is not specified. This anomaly is also found on page 9, paragraph 1, and page 11, paragraph 3. This is a missing-type anomaly, with a marginal impact.
- On page 11, paragraph 1, the requirement does not specify the process to calculate the shipping date of an order. This is a missing-type anomaly, with a marginal impact.
- On page 11, paragraph 3, the requirement does not specify if the events in the agenda can overlap. Also, the requirement does not specify how the agenda should look and does not specify if events in the calendar can be updated or deleted. This is a missing-type anomaly, with a marginal impact.
- On page 11, paragraph 3, the requirement does not specify the client data that is needed to register a makeup service in the agenda. This is an inconsistent-type anomaly, with a negligible impact.
- Overall, the writing of the document could be improved. There are grammatical and syntactical errors in some parts of the document. This is an inconsistent-type anomaly, with a negligible impact.

Final Considerations

All anomalies found were discussed and reviewed during the meeting, all the Inspection Team members agree on the anomalies list presented on this document. The objectives of the inspection were accomplished, anomalies were reported and sent to the Development Team for rework and corrections, ensuring the quality of the product. Given the completion criteria, the item under inspection is partially approved until all anomalies have been fixed. There is no need for an inspection of the fixed item.