ITPV302 System Requirements, Specifications and Technical Design

Students:

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Result 98 %

Item	Description	Max	Score
Introduction	The introduction starts with describing the purpose of this document and what it will cover.	5	5
Plan to address objectives	In your business case you specified a few objectives. These were real-world issues that your software intervention will address. In this section you need to stipulate what you will do in your software to address these objectives.	10	10
Project Scope	The scope must provide a high level view of data requirements. This should include a discussion on the information, functional and communication scope of the intended system.	10	10
Business Requirements	Business requirements, also known as stakeholder requirements specifications (StRS), describe the characteristics of a proposed system from the viewpoint of the system's end users.	10	10
Hardware and Software Requirements	State which hardware and software tools will be used both in developing the application and in its use.	10	9
Design Constraints	In this section, discuss any constraints that there might be on the system development and / or deployment process. This can include things such as security, interface and performance constraints.	10	10
High-Level Use Case	The purpose of a use case diagram in UML is to demonstrate the different ways that a user might interact with a system. A use case diagram can summarize the details of your system's users (also known as actors) and their interactions with the system.	10	9
UML Class Model	This section should present your (planned) UML class model. The number of classes in your diagram tends to align with the number of tables in your database.	10	10
Relational Database Model	This section should present the (planned) version of your relational database model. Remember, it needs to have the absolute minimum of the equivalent of 10 tables. Groups of three students will need at least 14 tables.	10	10
User Interface Design	This section should present the user interface designs of at least 8 screens from your proposed system (10 for groups of 3). For each screen you are required to provide a description of the functionality.	10	10
Styling and Referencing	Consistent, basic styling is applied to the document, the grammar is sound and the included referencing and citations are done correctly.	5	5
Total		100	98



NELSON MANDELA UNIVERSITY

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IT PROJECT 3 (ITPV302)



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System Requirements, Specifications and Technical Design

Compiled by

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Summary of Comments on Requirements Doc.pdf

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Author: Bertram Haskins Subject: Sticky Note Date: 16/10/2024, 05:30:50

You did a fantastic job on this document! Really something you can feel proud of.

Author: Bertram Haskins

Subject: Comment on Text Date: 16/10/2024, 05:24:30

When doing page numbers look into the following:

- Different/no page numbers for first page.
- Use section breaks in your document(s), then you use roman numeral page numbers for the parts where the table
 of contents and figures are and normal (Arabic) numbers for the rest.

This is just a suggestion for improvement; no marks were deducted for this.

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Author: Bertram Haskins Subject: Sticky Note Date: 16/10/2024, 05:22:51
Very neat layout on the table of contents and table of figures!

2.4 Hardware and Software Requirements

This section covers the software and hardware tools that will be used during development of the app and the system's expected hardware and software requirements for end users.

2.4.1 Software Requirements

- The application will be developed using Visual Studio Code as the IDE
- Flutter will be used for the development of the app within VS Code.
- Firebase will be used to handle the login and registration as well as the security covering them.
- Firebase will manage both online storage and offline caching.
- The mobile application requires Android 5 (API level 21) or higher.
- The web app will run on any browser but will be optimized for Microsoft Edge.
- The database will be hosted on the cloud using Firebase Cloud Firestore.

2.4.2 Hardware Requirements

- The app will require a phone or tablet with at least 2GB of RAM and running android 5.0 or higher. Adequate storage is also needed to handle downloaded recipes and
- The web app can be accessed from any device with a web browser; however, users will need a stable internet connection.
- The database will be hosted on Firebase's cloud infrastructure.

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Author: Bertram Haskins Subject: Comment on Any specific versions of these platforms?

Subject: Comment on Text

Date: 16/10/2024, 05:26:27

2.6 High-level use case diagram

Figure 2.1 represents the high-level use case diagram of the Thyme To Cook system.

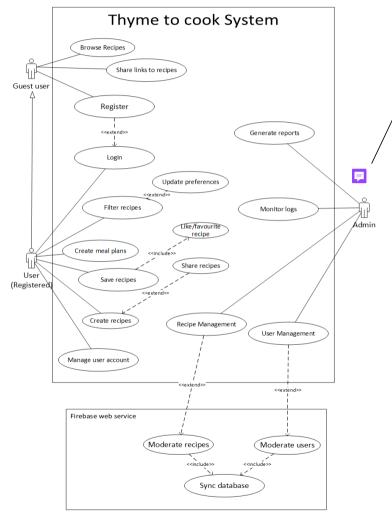


Figure 2. 1: High-Level Use Case Diagram

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Wouldn't the Admin also need to Login?