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CookieApp Software Requirements Specification

Version <1.0>

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Revision History

Date	Version	Description	Author
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Software Requirements Specification

1. Introduction

1.1 Purpose

This document contains the specifications for our software system. You'll find the descriptions of features that should be covered by our system.

1.2 Scope

Our system is a web application, which should provide many recipes and the possibility to search for them by ingredients. Users should be able to submit their own recipes and other users will have the ability to give feedback and send suggestions for improvement. Also all submitted recipes should be divided in different categories.

1.3 Definitions, Acronyms, and Abbreviations

See glossary.

1.4 References

To be determined.

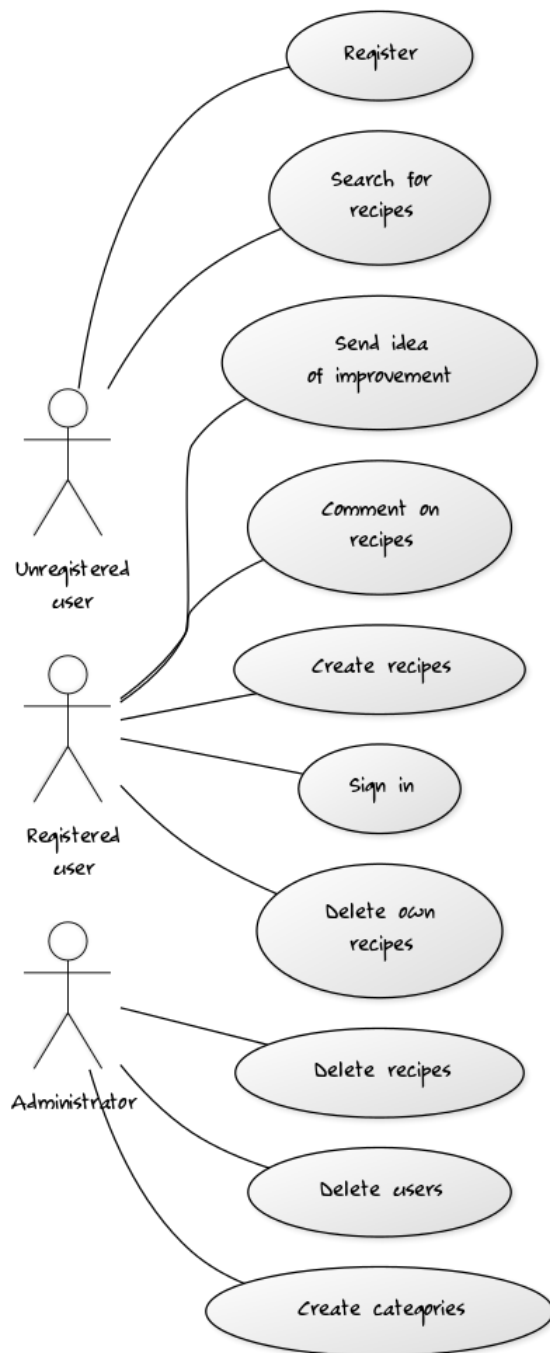
*[This subsection provides a complete list of all documents referenced elsewhere in the **SRS**. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]*

1.5 Overview

*[This subsection describes what the rest of the **SRS** contains and explains how the document is organized.]*

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2. Overall Description



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UML CODE, falls jemand was hinzufügen/verbessern möchte (<http://yuml.me/diagram/scruffy/usecase/draw>)

[Unregistered user]-(Register)

[Unregistered user]-(Search for recipes)

[Registered user]-(Send idea of improvement)

[Registered user]-(Comment on recipes)

[Registered user]-(Create recipes)

[Registered user]-(Sign in)

[Registered user]-(Delete own recipes)

[Administrator]-(Delete recipes)

[Administrator]-(Delete users)

[Administrator]-(Create categories)

3. Specific Requirements

Register: Create a new user in the user database

Search for recipes: Search for a recipe in the recipe database

Send idea of improvement: Send Mail to the recipe creator with suggestions

Comment on recipes:

Create recipes: Create new recipe and add it to the recipe database

Sign in: Log in with your credentials (saved in user database)

Delete recipe: Delete own recipe from the database

Delete recipe (Admin): Delete a recipe from the database

Delete users (Admin): Delete user from the database

Create categories(Admin):

More detailed description will be added.

3.1 Functionality

3.2 Usability

It's our goal to create a user friendly GUI which is easy to understand and easy to use. Therefore we try to keep our functions simple and self-explanatory.

[This section includes all those requirements that affect usability. For example,

- specify the required training time for a normal users and a power user to become productive at particular operations*
- specify measurable task times for typical tasks or base the new system's usability requirements on other systems that the users know and like*

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- *specify requirement to conform to common usability standards, such as IBM's CUA standards Microsoft's GUI standards]*

3.2.1 Fast Learning

Users should take five to ten minutes to get along with the web application and know how to use a large part of our functions

3.3 Reliability

- Availability: Our web application does not need high availability (99,9999....%) yet. But we are aiming at a percentage of over 50% availability.
- Mean Time to Repair (MTTR) : The system shouldn't be out of order for longer than 24 hours.
- Accuracy: We are aiming at a high accuracy with our system outputs and therefore we'll be especially looking at our search algorithms.
- Bugs/Defect Rate: Some loss of data errors will probably happen but we're aiming at a minimum loss of data in our system.

3.3.1 <Reliability Requirement One>

[The requirement description.]

3.4 Performance

To be determined (we need the specifications of our server)

[The system's performance characteristics are outlined in this section. Include specific response times. Where applicable, reference related Use Cases by name.]

- *Response time for a transaction (average, maximum)*
- *Throughput, for example, transactions per second*
- *Capacity, for example, the number of customers or transactions the system can accommodate*
- *Degradation modes (what is the acceptable mode of operation when the system has been degraded in some manner)*
- *Resource utilization, such as memory, disk, communications, and so forth.*

3.4.1 <Performance Requirement One>

[The requirement description goes here.]

3.5 Supportability

Our system should work on every popular webbrowser.

3.5.1 <Supportability Requirement One>

[The requirement description goes here.]

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3.6 Design Constraints

To be determined.

[This section indicates any design constraints on the system being built. Design constraints represent design decisions that have been mandated and must be adhered to. Examples include software languages, software process requirements, prescribed use of developmental tools, architectural and design constraints, purchased components, class libraries, and so on.]

3.6.1 <Design Constraint One>

[The requirement description goes here.]

3.7 On-line User Documentation and Help System Requirements

To be determined.

[Describes the requirements, if any, for o-line user documentation, help systems, help about notices, and so forth.]

3.8 Purchased Components

To be determined (maybe premium users)

[This section describes any purchased components to be used with the system, any applicable licensing or usage restrictions, and any associated compatibility and interoperability or interface standards.]

3.9 Interfaces

To be determined.

[This section defines the interfaces that must be supported by the application. It should contain adequate specificity, protocols, ports and logical addresses, and the like, so that the software can be developed and verified against the interface requirements.]

3.9.1 User Interfaces

[Describe the user interfaces that are to be implemented by the software.]

3.9.2 Hardware Interfaces

[This section defines any hardware interfaces that are to be supported by the software, including logical structure, physical addresses, expected behavior, and so on.]

3.9.3 Software Interfaces

*[This section describes software interfaces to other components of the software system. These may be purchased components, components reused from another application or components being developed for subsystems outside of the scope of this **SRS** but with which this software application must interact.]*

3.9.4 Communications Interfaces

[Describe any communications interfaces to other systems or devices such as local area networks, remote serial devices, and so forth.]

3.10 Licensing Requirements

To be determined.

[Defines any licensing enforcement requirements or other usage restriction requirements that are to be exhibited by the software.]

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3.11 Legal, Copyright, and Other Notices

[This section describes any necessary legal disclaimers, warranties, copyright notices, patent notices, wordmark, trademark, or logo compliance issues for the software.]

3.12 Applicable Standards

[This section describes by reference any applicable standard and the specific sections of any such standards which apply to the system being described. For example, this could include legal, quality and regulatory standards, industry standards for usability, interoperability, internationalization, operating system compliance, and so forth.]

4. Supporting Information

*[The supporting information makes the **SRS** easier to use. It includes:*

- *Table of contents*
- *Index*
- *Appendices*

*These may include use-case storyboards or user-interface prototypes. When appendices are included, the **SRS** should explicitly state whether or not the appendices are to be considered part of the requirements.]*

5. Glossary