
Software Requirements Specification

for

Notele

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version
Christian King	9/10/23	Team Meeting	1.0
Deja Hintzen	9/16/23	Document Revision	1.0
Deja Hintzen	9/24/23	Document Revision	1.0

1. Introduction

1.1 Purpose

The purpose of this SRS report is to define the software requirements for our Google Chrome plug-in, Notelee, version 1.0. This document will provide the foundation for the architecture of the software as well as the design. This document will also be used by our team to track the progress of our project and report changes made.

1.2 Intended Audience and Reading Suggestions

The intended audience for this report is the developers, Christian King, Deja Hintzen, and Josh Warren, and the professor, Sharon Perry. This SRS will contain the description of the intended product, the functionality of Notelee, and future plans

1.3 Product Scope

Notelee will be a Google Chrome plugin with note taking capabilities through the Google Chrome browser. The plugin will be used for bookmarking documents and webpages where the user will be able to add notes. It can also be used for documentation for research or processes for a project or job.

1.4 References

“Chrome Extensions Getting Started Guides.” *Chrome for Developers*,

developer.chrome.com/docs/extensions/mv3/getstarted/. Accessed 24 Sept. 2023.

Rebelo, Miguel. *Evernote vs. Google Keep: Which Should You Use?*, Zapier, 15 Sept. 2022,

zapier.com/blog/google-keep-vs-evernote/. Accessed 24 Sept. 2023.

2. Overall Description

2.1 Product Perspective

Notelee will be a new, self-contained product for note taking in Chrome. It will be designed to effortlessly take notes using the web browser. Notelee will easily be able to work in the Google Chrome Browser for efficient note taking.

2.2 Product Functions

Notelee's functions will be:

- Allow users to create and save notes through the Google Chrome browser
- User can edit and highlight documents and keep them in a saved place
- Notes can be titled
- Folders can be created and notes can be saved into those folders (can be multiple folders)
- Multiple notes can be saved in a folder
- Notes can be made and also archived
- Notelee will have functionable buttons to create these folders or notes or just change pages within the plugin
- There will be a storage limit of 20gb
- Flow charts can be created

2.3 User Classes and Characteristics

Anyone such as students, teachers, and researchers will be able to use Notelee to study, take notes or keep track of research. Anyone who needs to take notes will be able to use this product

2.4 Operating Environment

Notelee will operate on an updated Google Chrome browser and will use Javascript, HTML, CSS, and firebase.

2.5 User Documentation

A short video tutorial or document will be provided along with Notelee to explain its features and how to set up the plugin.

3. External Interface Requirements

3.1 User Interfaces

Notelee will take up 25% of the page that the user is on when opened. The user will be able to see the folder they've created as well as the notes within each of the folders. Each note created will have text boxes and input boxes.

3.2 Hardware Interfaces

Using a manifest.json file, the plugin should only be used by Google Chrome and interact with our database.

3.3 Software Interfaces

A database will be necessary for saving all of the changes made by the user.

3.4 Communications Interfaces

Notelee should be able to interact with every web page visited.

4. System Features

4.1 Automatic Login

4.1.1 Description and Priority

This will be a high priority feature which will protect the users data. Notelee will use the current user's Google account to login to the extension.

4.1.2 Stimulus/Response Sequences

When the user opens Notelee, they will receive a popup asking to connect their Google account with the extension

4.1.3 Functional Requirements

TBD

REQ-1:

REQ-2:

4.2 Note Creation

4.2.1 Description and Priority

This will be a high priority feature which will allow users to create notes quickly and efficiently

4.2.2 Stimulus/Response Sequences

When the user wants to create a new note, they would click create note. A note page will pop up which will allow them to create a note of any length, using different font options such as font size, font color, and heading. Each note that is created will be able to be drawn on, highlight, add pictures, links, etc. Notes can also be archived.

4.2.3 Functional Requirements

TBD

REQ-1:

REQ-2:

4.3 Folder Creation

4.3.1 Description and Priority

This will be a high priority feature which will allow users to create different folders within Notelee and sort their notes in the different folders.

4.3.2 Stimulus/Response Sequences

On the home page, there will be an option for the user to create a new folder. Existing notes can also be sorted into these folders. Titles can be edited and the folder will have different customization options such as colors. Folders can also be archived.

4.3.3 Functional Requirements

TBD

REQ-1:

REQ-2:

4.4 Webpage Markup

4.4.1 Description and Priority

This will be a medium priority feature which will allow the user markup the current webpage they are on by drawing on the page and saving it

4.4.2 Stimulus/Response Sequences

When the user goes to create a note for the current webpage they are on, there will be an option to markup on the page. They can draw on the page and highlight content on the page. Everytime that the user opens that web page in the future, all of their edits will be there.

4.4.3 Functional Requirements

TBD

REQ-1:

REQ-2:

5. Other Nonfunctional Requirements

5.1 Performance Requirements

Notelee will need to have no lagging and have 20 gigabytes of storage

5.2 Safety Requirements

Everything that the user enters into Notelee will be secure. No other website will be able to access any information in any of the notes created by the user.

5.3 Security Requirements

Users will only be able to be logged into Notelee through the Google Chrome browser. Other webpages will not be able to see any notes made by the user. Notelee does not keep track of information entered on other pages. For example, if the user enters their debit card information onto Amazon, Notelee will not be able to read this information and store it.

5.4 Software Quality Attributes

The following are software quality attributes that will be present in Notelee:

- **Functionality:** Users will be able to create, edit, and store notes
- **Customization:** Users will be able to change the style of the notes according to their preference
- **Availability:** Will be available to user anytime as long as Chrome is open
- **Reusability:** Users can constantly reuse/open close the plugin without errors or info being deleted
- **Compatibility:** User can highlight and draw on any webpage not just specific ones

Appendix A: Glossary

- **Annotation:** Highlighting and commenting on a webpage.
- **Customization:** Ability to personalize notes and folders
- **End to End Encryption:** Ensures that your data is secure and encrypted when notes are stored
- **Software Requirements Specification:** Document provided to outline the functional and nonfunctional requirements of a software product.
- **User Interface:** The elements that allow the user to interact with the software

Appendix C: To Be Determined List

- Functional requirements of automatic login, note creation, folder creation, and webpage markup.