



# **SYNOPSIS ON LAVERNA**

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# **INTRODUCTION**

**Laverna is a JavaScript note-taking web application with a Markdown editor and encryption support. It's built to be an open source alternative to Evernote.**

**The application stores all your notes in your browser databases such as indexedDB or localStorage, which is good for security reasons, because only you have access to them.**

**DEMO:**<https://aditya9675.github.io/LavernaAd/>

**Or:**<https://github.com/Aditya9675/LavernaAd/>

# **FEATURES**

- **Markdown editor based on Pagedown**
- **Manage your notes, even when you're offline**
- **Secure client-side encryption**
- **Synchronizes with cloud storage services (currently only with Dropbox and RemoteStorage)**
- **Three editing modes: distraction free, preview, and normal mode**
- **WYSIWYG control buttons**
- **MathJax support**
- **Syntax highlighting**
- **No registration required**
- **Web based**
- **Keybindings**

## **Tools**

On the front-end this project uses JavaScript and the [Marionette JS](#) framework while [Node JS](#), [Bower](#), and [Gulp.js](#) are used on the back-end. The test runner used is [karma](#) however, contributors are free to utilize whatever testing tools they desire.

# **Installation**

**There are several ways to start using Laverna:**

- 1. Open [lavernaAd](#) and start using it. No extra steps are needed.**
- 2. Use a desktop app.**
- 3. Use a prebuilt version from [Laverna/static-laverna](#) repository.**
- 4. Build it from the source code.**

# **Functional Specifications**

**User Accounts:** Laverna will allow users to create their own accounts, which will enable them to create, edit, and store notes in the system. Users will need to provide basic information such as name, email address, and password to create an account.

**Note Creation:** Users will be able to create new notes by using a text editor or by uploading a file. The notes can include text, images, videos, and other types of content.

**Note Organization:** Laverna will allow users to organize their notes into folders or categories. Users can create, rename, or delete folders and move notes between them.

**Note Sharing:** Users will be able to share their notes with other users by sending a link or inviting them to collaborate on a note. Collaborators can view and edit the note, and changes will be synchronized in real-time.

## **Software Specification**

- Technology implemented : Html5,Css.
- Languages used : JavaScript
- Development environment : Visual Studio Code
- Web browser : Chrome/Firefox

## **Hardware Requirements**

- Processor : Intel i3/i5/i7
- Operating System : Window/Linux
- RAM : 4 GB and above

## **FUTURE SCOPE**

**Collaboration:** One potential future scope for Laverna is to integrate collaboration features. This would allow users to share notes with others and work together on projects or assignments.

**Integration with other tools:** Laverna could be integrated with other tools, such as calendar apps or task management tools, to provide a more seamless and efficient workflow for users.

**Smart note-taking:** Future versions of Laverna could use AI and machine learning to automatically categorize and organize notes based on their content. This would save users time and effort in organizing their notes manually.

**Voice recognition:** Laverna could integrate with voice recognition technology, allowing users to dictate notes using their voice instead of typing them out.