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# Design Specification

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## Want2Remember Project

Final Documentation – May 9, 2025

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May 10, 2025

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# 1 Overview

This document outlines the structure and component design of the Want2Remember application, including a breakdown of pages, tools, and supporting libraries. It also lists all packages and dependencies required to containerize the app via Docker.

## 2 Page & Component Breakdown

### 1. Add Memory Form

- Fields: Title (input), Note (textarea)
- Validation: HTML5 required attributes for both fields
- Feedback: Confirmation message shown on save

### 2. Memory List Display

- Each memory item includes title, note, and delete button
- List updates in real-time using JavaScript
- Supports persistent storage using `localStorage`

### 3. Delete Memory Logic

- Clicking delete removes the memory from the UI and `localStorage`
- Prevents memory loss across page reloads.

### 4. User Interface

- Layout styled with CSS (margin, font, spacing clean-up)
- Responsive across devices

### 5. Search and Filter

- Add a search bar above Memory List
- Javascript would filter displayed memories in real-time
- Search match regardless of letter casing
- Search displays "no search" if no match is present

### 3 Containerization & Dependencies

- Dockerfile used to containerize front-end
- Lightweight nginx or live-server used for local testing
- Minimal dependency footprint (no backend at this stage)

### 4 Final Updates and Repository Integration

- Converted all snapshot objective documents (1–4) from Word to LaTeX with standalone centered title pages
- Integrated a new feature for design specification
- Integrated snapshot objective summaries into each snapshot folder and added a global summary in the project root
- Finalized user-facing documentation including SDD, SRS, and design spec
- Updated and cleaned repository structure; removed outdated `.docx` and redundant `.tex` files
- Verified project completeness and final deliverable structure

### 5 References

- <https://github.com/kbthepioneer/Want2Remember-Final-Project>
- <https://developer.mozilla.org/en-US/docs/Web/API/Window/localStorage>
- [https://hub.docker.com/\\_/nginx](https://hub.docker.com/_/nginx)
- <https://www.docker.com/products/docker-desktop>
- <https://overleaf.com>
- <https://www.atlassian.com/software/jira>