Design Specification

Want2Remember Project

Final Documentation – May 6, 2025

Kevin Bayona-Galindo & Nikolazi Tartinsky

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Contents

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

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 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- Updated and cleaned repository structure; removed outdated `.docx` and redundant `.tex` files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://www.docker.com/products/docker-desktop`

- `https://overleaf.com`

- `https://www.atlassian.com/software/jira`