# Software Design Document (SDD) – Want2Remember (v2)

Project Name: Want2Remember

Snapshot: 2 (Checkpoint 1)

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## 1. Introduction

Purpose: This document provides updated system architecture and design details following the implementation of a memory list view and localStorage integration.

Audience: Developers, stakeholders, professor

## 2. System Architecture

Frontend: HTML/CSS + JavaScript (Vanilla)

Backend: N/A (Frontend-only project using localStorage)

Database: Browser-based localStorage

## 3. Component Overview

- Memory Input Form: Users can enter a memory title and note.

- Memory List Display: Displays saved memories directly below the form.

- LocalStorage Integration: Saves and loads memories using browser storage.

## 4. Workflow Summary

User Flow:

1. User opens index.html

2. Enters a memory (title + note)

3. Submits the form

4. Memory is stored in localStorage

5. Memory is displayed in the memory list

6. Refreshing the page reloads stored memories

## 5. UI Details

- Form Elements: Text input for title, textarea for note

- Memory List UI: <ul> element with dynamically added <li> entries for each memory

## 6. Glossary

- DOM: Document Object Model

- localStorage: Web storage object for saving small data persistently in browser

- CRUD: Create, Read, Update, Delete (currently supports Create and Read)

## 7. References

MDN Docs: https://developer.mozilla.org/en-US/docs/Web/API/Window/localStorage