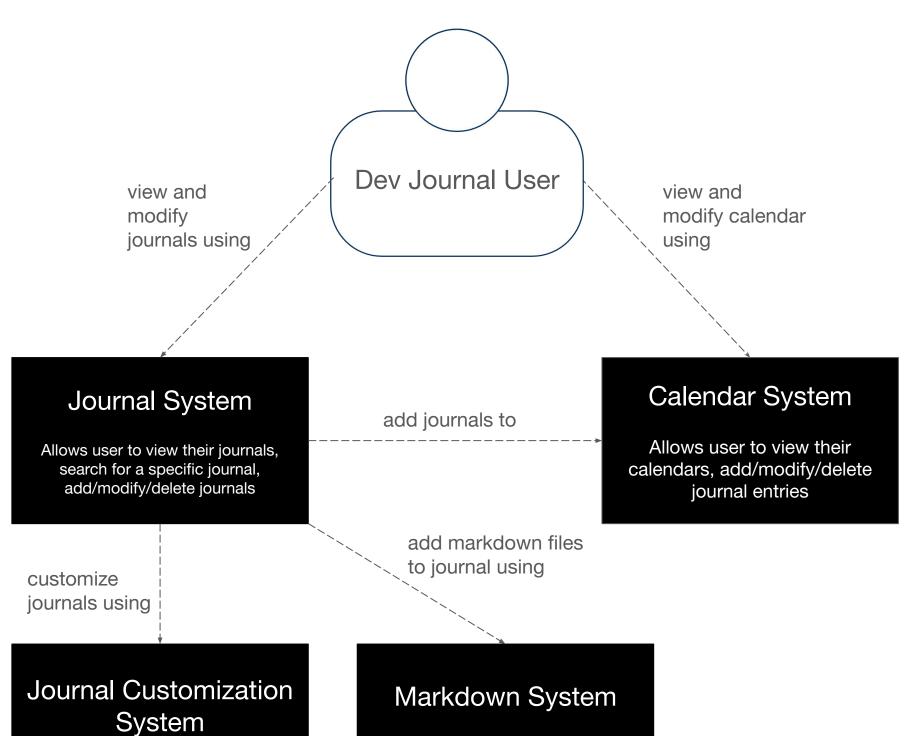
System Context diagram



Add and preview markdown files to journals

Cystoni

Adds tags and priorities to journals

Container diagram

Dev Journal User

Multi-page Application:
Journal home page,
Journal entry page,
Calendar page will be
separate HTML files

Stores and reads journal entries to and from JSON files which are stored on the client-side's localStorage

Component diagram

Search bar to search for specific entries, filter by tags and date

Use JSON file to get filtered properties

Journal home page

Header tab with add entry button and hyperlink to calendar

Shows a stacked list of most recent journal entries read from JSON file

Store properties in JSON file

Entry shows title, tags, date, and some content

Each entry has ability to delete and edit, clicking opens up new page to editor

Component diagram

Journal entry page

Markdown library or custom parsing function

Write to JSON file

Markdown editor

Ability to assign tags

Assigns entry to corresponding calendar date upon creation

Component diagram

Calendar page

Single grid, for one month at a time

Calendar can load corresponding entries through JSON file

JSON file can store content as a string and parse that string to recreate it and render on a new page

Each day contains the journal entries

Clicking on an entry hyperlinks to that entry in a new page

Code diagram / Technical Details

- Will use multiple HTML files to render each component (Multi Page web-application)
- Will store entry details including details like tags and date created in a JSON file
 - Allows for pagination to get most x recent entries on home page
 - Store to browser local storage
- If can't rely on a library for Markdown functionality, code a text parser to turn common Markdown attributes into their respective HTML elements (ex. turn # into an <h1>)
- To prevent issues with loading too many elements, render journal entries in post using JSON file
 - JSON file can store content as a string