

Notation:

We tried to emulate the workshop 07 notation as much as possible, and besides a coloring to help clarify structure, the notation is much the same.

Short entity descriptions:

Example: Book: A unique published book in our database. Different revisions of the same book are represented as separate Book entities.

Entities:

- **User** - Like the workshop 07 user, contains basic information such as username and password, as well as organising its relationship between every other entity.
- **Content Item** - This is the superclass of items that contains the different bodies of information our personal assistant helps you organise and store, eg: Notes, Lists, Events, Landmarks (and possibly more to come).
- **Author** - Each content item has a single author
- **Follower** - Each content item can be followed by users that are not the author (similar to sharing in google docs)
- **Follow List** - An entity to track the content our user is following
- **Master Folder** - Our root folder for our file explorer, to which sub folders or content items can be linked to
- **Master Map** - The root to which all map items are attached, (there will be a 'maps' tab to which our user can click to see all of their map items). Likely we will later add the feature of giving any content item a location so that it may connect to your map, eg: a shopping list with the location of your favorite grocery store.
- **Master Calendar** - The root to which all event items are attached, (there will be a calendar tab to which our user can click to see all of their event items). It should be noted that content items can have time, location, as well as other information. Therefore they can be connected to only the map/calendar/file explorer tree, or to multiple of those three 'root' locations
- **Folder** - A subfolder that allows users to create a directory tree (familiar of any os, like google docs)

Pages:

The main 'functionality pages' of our website are:

- **Maps tab** - for viewing/creating any content item with a given location
- **Calendar tab** - for viewing/creating any content item with a given time
- **File explorer tab** - for traversing/editing the directory tree and the content stored within it
- **Notes tab** - for the creation/editing of the notes/lists/etc...

Additional pages may include a user settings page, advanced properties of a content item, and more as the need arises.

ER DIAGRAM

