

Better Bookmarks Release Plan

Better Bookmarks

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High Level Goals

- Learn how to effectively work together on a software team by using agile and scrum.
- Organize our code and architecture to allow continuous integration.
- Allow users to click a button and organize their bookmarks into folders with predefined categories.
- Have our Chrome add-on available for users to download in the Chrome web store.
- Allow users to create their own categories.
- Collect user data and use it to continually improve our machine learning models so users experience improves over time.
- Create a user-friendly GUI that will help users find their favorite web pages easier.

User Stories for release

Sprint 1

User Stories

- As a power-bookmarker with no patience to organize, I want my Chrome bookmarks to get organized with one button click using a chrome add-on.
- As a user with lots of different topics bookmarked, I want there to be enough predefined categories to adequately compartmentalize my bookmarks

Spikes

- Learn how to do automated testing, prototyping, and how to organize our code to allow continuous integration.

ML People

- Learn how to do inference in the browser.
- Source a suitable dataset

Web Dev

- Learn javascript
- Learn how to make a chrome add on

Infrastructure

- Set up git repository
- Install all the software dependencies.
- Get a Google account with a lot of bookmarks to serve as a test user.

Sprint 2

User Stories

- As a Chrome user I would like to be able to download the application from the Chrome Web store
- As a user whose favorite bookmarks can be further broken down into subcategories, I want the structure of my bookmarks to be hierarchical.
- As a user whose favorite bookmarks can be broken down into subcategories, I would like to personally make my own categories/subcategories.

Spikes

Web Dev

- Learn how to get our application into the Chrome Web Store
- Take the hierarchy information obtained from the ML model and put the bookmarks into a corresponding folder structure.

ML People

- Learn how to do hierarchical clustering.
- Communicate the cluster information to the web dev people.

Infrastructure

- TBD

Sprint 3

User Stories

- As a Chrome user, I would like if my bookmarks were organized in an aesthetic visually intuitive manner.
- As a user with ever increasing performance demands, I want my bookmark organization to get even better over time automatically.

Spikes

Web Dev

- Learn a web dev software stack like MEAN.

ML People

- Set up our ML infrastructure to aggregate user data, and then retrain the model.

Infrastructure

- Install all of the required libraries for our web dev stack.

Product backlog

- Making the chrome add-on mobile friendly
- Multi Language support
- Open sourcing our project
- Expanding our idea to desktop file organization