Command T

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1.1 Product Description

Using modern day web browsers to save and organize access to links in the web has become a rather messy and cumbersome task. Safari, Chrome, and Firefox have very poor options for managing and organizing bookmarks. When users add bookmarks, they usually appear unorganized and spread without any meaningful layout. We propose a web application that will serve as a replacement for the Safari, Chrome, and Firefox homepages and will allow users to customize their startup page and organize their bookmarks, make todo lists, add customizable widgets, and take notes all in one place.

Our web app, CommandT, aims to create a webpage that serves as a startup page of any internet browsers. This webpage will allow users to manage their bookmarks by creating folders, divide sections, categorize and more. The webpage will also contain widgets for notes, todo list, and weather. Users need to sign up for the page to keep their settings for next time whenever they open up a new tab. Users will be able to share their todo lists with other users.

Main Features:
1. Managing bookmarks with folders.
2. Widgets for todo-list, weather, notes
3. Let users change layouts (set background image, move widget position)
4. Sidebar for quick actions such as chat (for teams)

1.2 Scope

This project intends to provide an effective and quick way for people to organize their bookmarks on modern browsers. The focus is on allowing the user to customize their browser startup pages by making use of advanced options which are not available by default on most browsers. It is not the purpose of our project to substitute the in-built startup pages on modern browsers, but rather to allow our users more control of the content they see by providing an alternative. Furthermore, it is not a goal of our project to track our user's daily activity nor to automatically add bookmarks for our users. Instead, each user will opt to save their bookmarks by manually making an entry for it through our web application.

The product will be implemented as a responsive web application which will be usable on most modern desktop computer web browsers (Safari, Chrome, and Mozilla Firefox).

2.1 Functional Requirements

Users can:
- Create an account by logging in through Google account
- Create and store bookmarks in folders
- Create folders for bookmarks
- Create to-do lists using To-Do-List widget

- Make and edit notes using Notes widget
- View weather in current location on Weather widget
- Customize background picture of the application
- Position bookmarks in preferred grid order
- Position widgets in preferred list order

System can:
- Automatically save changes to the database on edits
- Fetch website metadata and save it to the database when bookmark is added
- Issue a cookie that will be used to identify a logged user

Browser extension:
- Check if user is logged in or not
- Add the current website to user's bookmark database