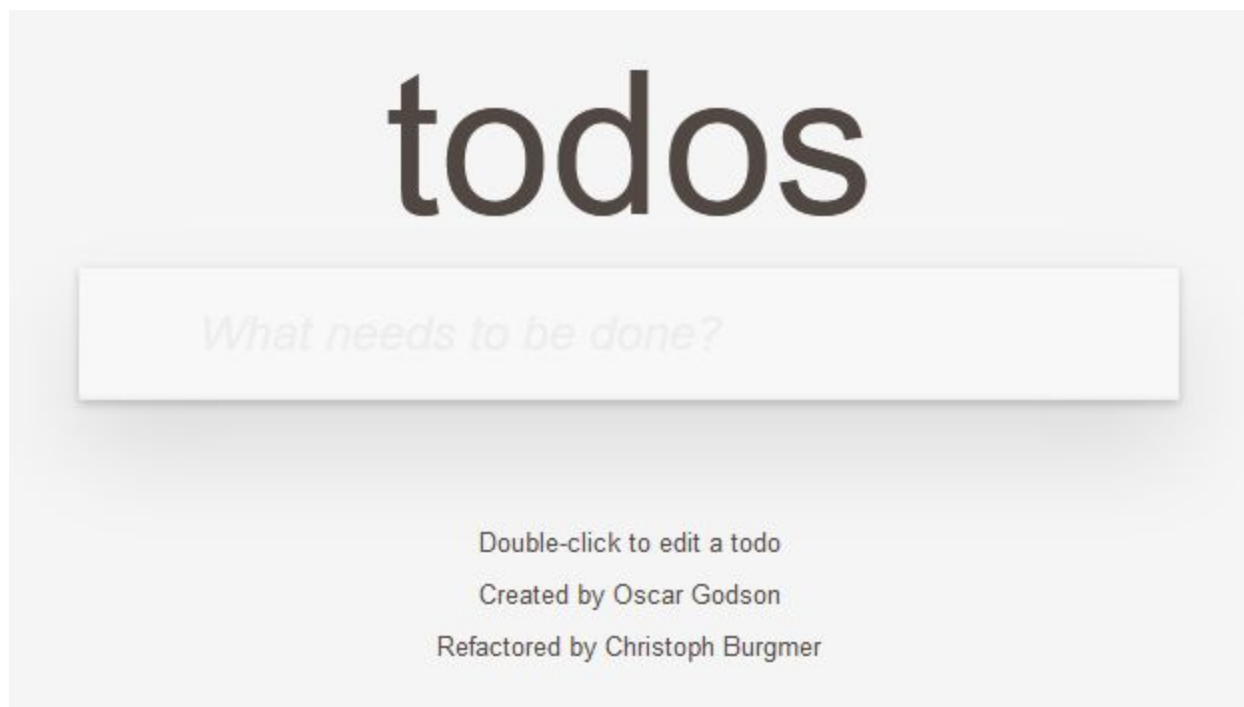# To-do list app

What is it?

To-do List App is a web application that allows users to create and customize a basic list of tasks. A user may edit, remove, or add items in their created list. The application is built in object-oriented VanillaJS (JavaScript), tested with the behavior-driven development framework Jasmine, and optimized using gulp-uglify tasks and Google's Lighthouse Audit Tool.

How does it work?

To-do List App utilizes a user's local storage so all items are saved, even after a refresh. Therefore the list will stay available and naturally evolve as the user adds or removes item.

App.js - this is the core that puts all the pieces together (storage, model, template, view, and controller)

Controller.js - uses the pieces Model and View and controls their interactions like removing, editing, or adding a new item to the list.

Helpers.js - a collection of helpers for DOM manipulations

Model.js - think of models as instances in the code, controlled by controller when utilized with script from view.js
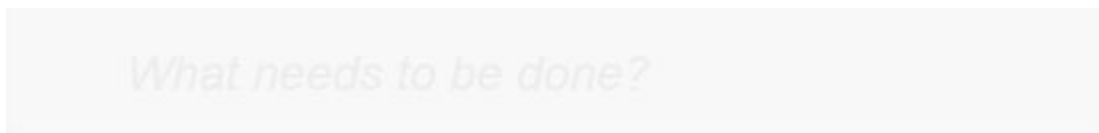
Store.js - handles storage script.

Template.js - what is visually represented in the browser for the user

View.js - interacts with model.js via controller.js. This is made up of objects regarding items specifically.
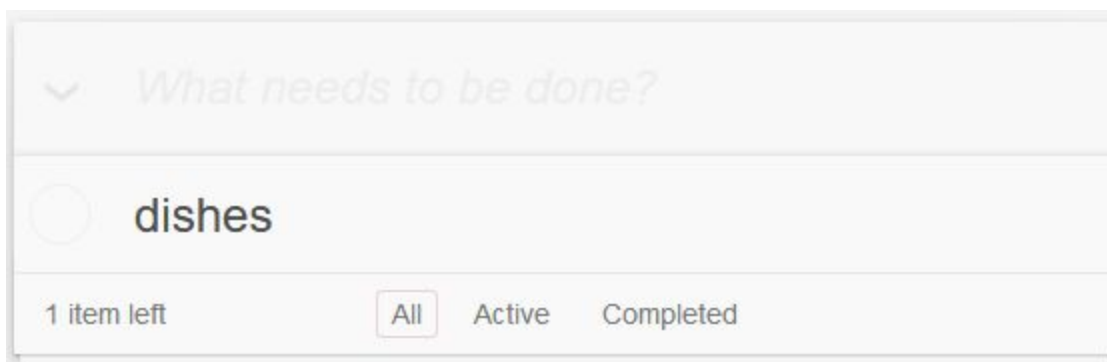
How do I use it?

I. **Adding Items**

Add items by typing them into the visible form input

Press Enter, click away from the form, or click the down arrow on the left and the item will automatically be displayed in a list.

II. **Editing Items**

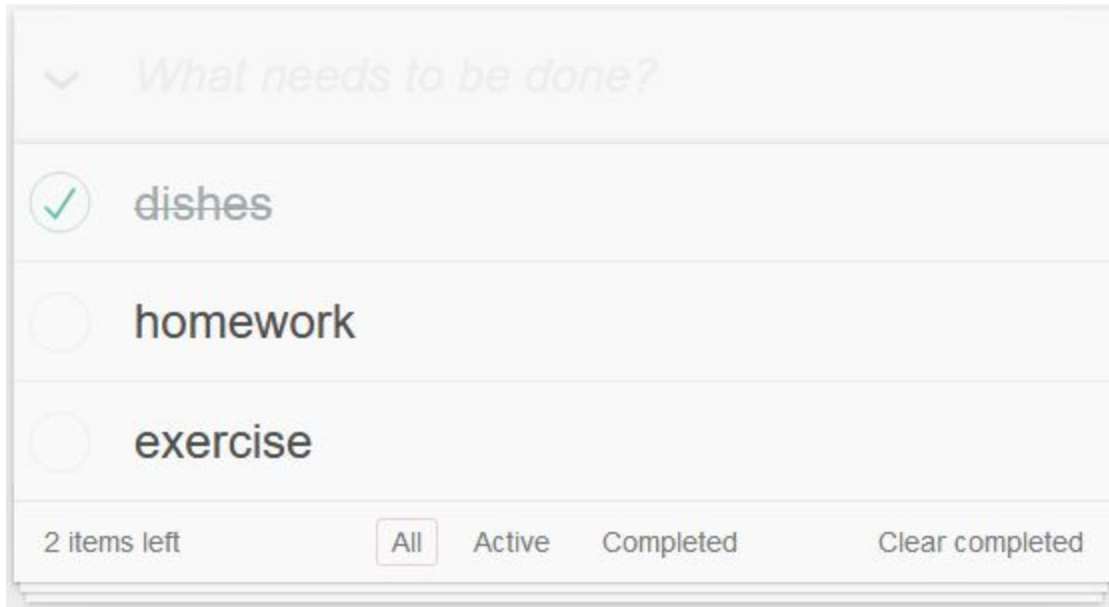To edit an Item already in the list. Double-click the item.

To mark an Item as 'Completed' click the empty circle on the left. A green check mark will appear to represent the Item's new status.

III. **Removing Items**

Hover over the item you would like to remove and click the 'X'.

To clear completed items, click 'Clear completed' in the bottom right of the your created list. (this option will not display if there are no items on the list).

IV. **Viewing Items**

A completed item is show using a green check mark and the item is crossed out.

Active items are items that are still waiting for completion. Users can toggle their view between 'All', 'Active', or 'Completed' to better suit their needs.

Release Update

FIXES

Bug that prevented adding items.

IMPROVEMENTS

Improved item ID assignment, so every ID will now be 100% unique.

Refactored and added more test to the application to improve performance.

Adjusted UI color theme to meet W3C Accessibility Web Standards.

Optimized overall performance.

(Full Performance Audit attached with release).