Angular Labs

Over the course of the next few labs, you will be building an application to help manage the ever growing list of things you need to do. This portion is going to take care of the front-end.

The application will be built in 4 stages:

1. Create a filterable list of tasks you need to do
2. Refactoring the code to be more modular
3. Implementing a service
4. Create page routing

Angular Lab Part One

Task: Create the base of an Angular application that allows the user to add things they need to do to a list, search the list, and remove items from the list.

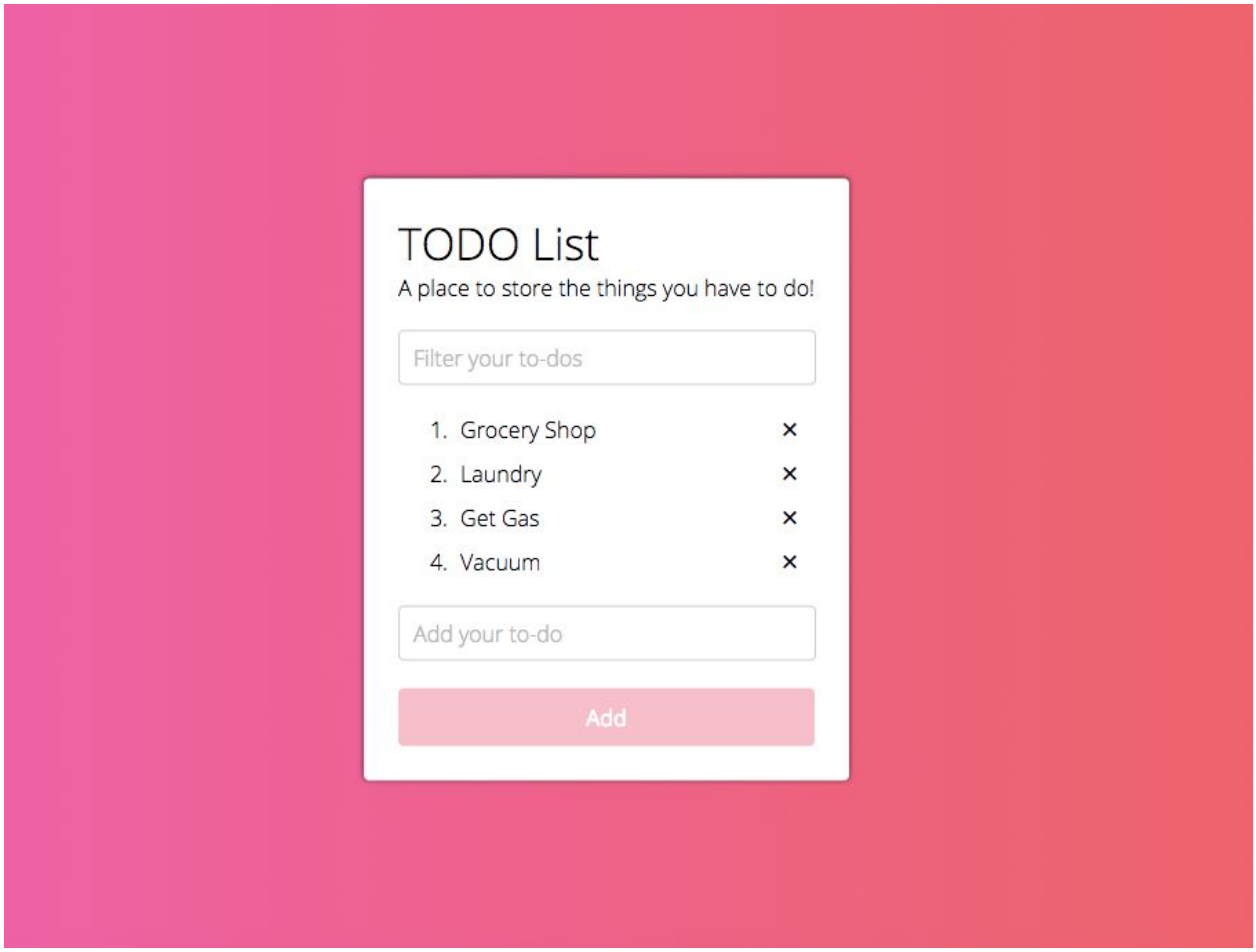
What does the application do?

1. Allows the user to enter a task into an input, which will be rendered on the page.
2. Provides search functionality to easily filter through the list.
3. The user can remove items from the list that they have completed.

Build Specifications:

1. Must include a module called “app.”
2. Must include a controller called “FormController.”
3. The input for adding items to the list must use ngModel.
4. Requires the use of a filter.
5. The ngRepeat directive has to be used.
6. Every Angular component must be in a separate script file.

Wireframe Preview:



Angular Lab Part Two

Task: Convert your markup within index.html into reusable components.

What does the application do?

1. Adds reusable components into the application as well as a nice interaction styling.

Build Specifications:

1. Must include a component for the form called “taskForm”, which will be the markup for the form.
2. Must include a component for the list called “taskList”. This component will be used to show the tasks within the list. Use the ngRepeat directive to create a new template for each task.
3. One directive, at minimum, for adding a mouseover effect on the listed tasks. This has to be used on the component with ngRepeat. This directive will be called “hoverState”.

Angular Lab Part Three

Task: Introduce a service to pass information to and from your controller(s).

What does the application do?

1. Allows the service to hold data for the duration of the application. This serves as a way to control the flow of data throughout the application

Build Specifications:

1. You will need to construct a service that contains two methods at minimum
    a. A method for getting data called getData
    b. A method for setting data called setData
2. Whenever a new task is added to the list, call the method to set the data within the service.
3. Since the method for getting data won't come into play until the next lab, initialize a property on vm to be the value of the service's getData method.

Angular Lab Part Four

Task: Integrate page routing into the application.

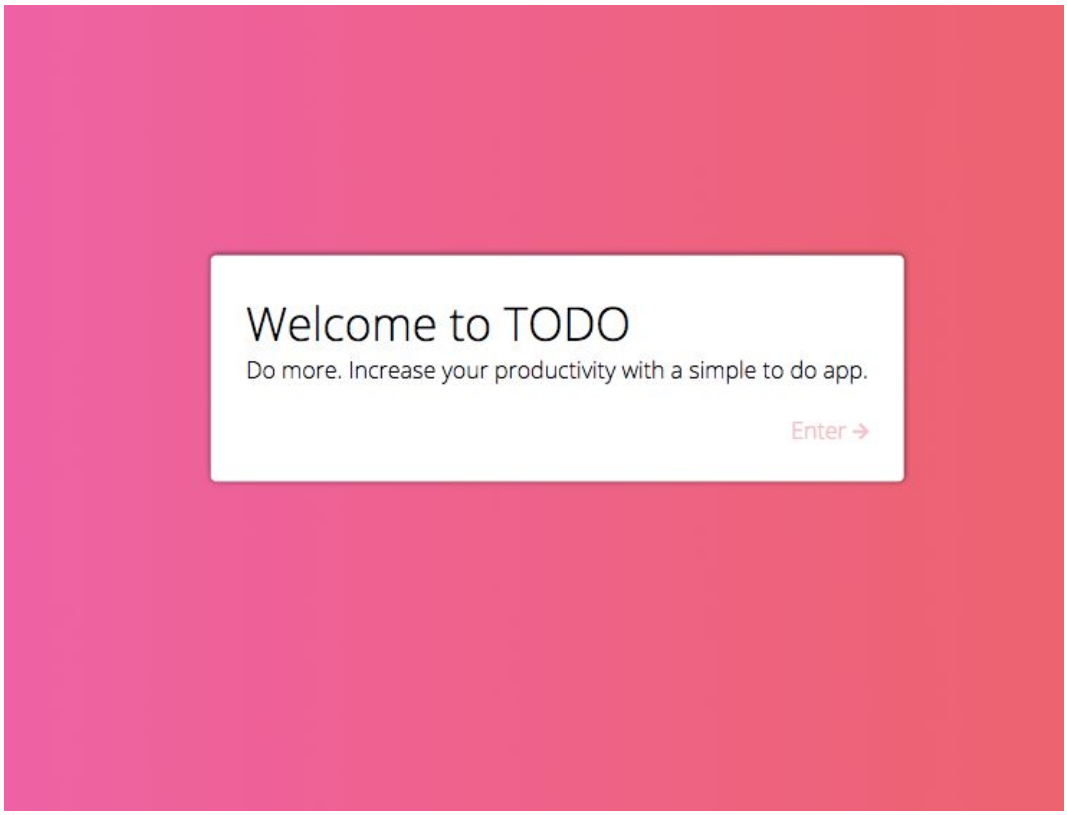
What does the application do?

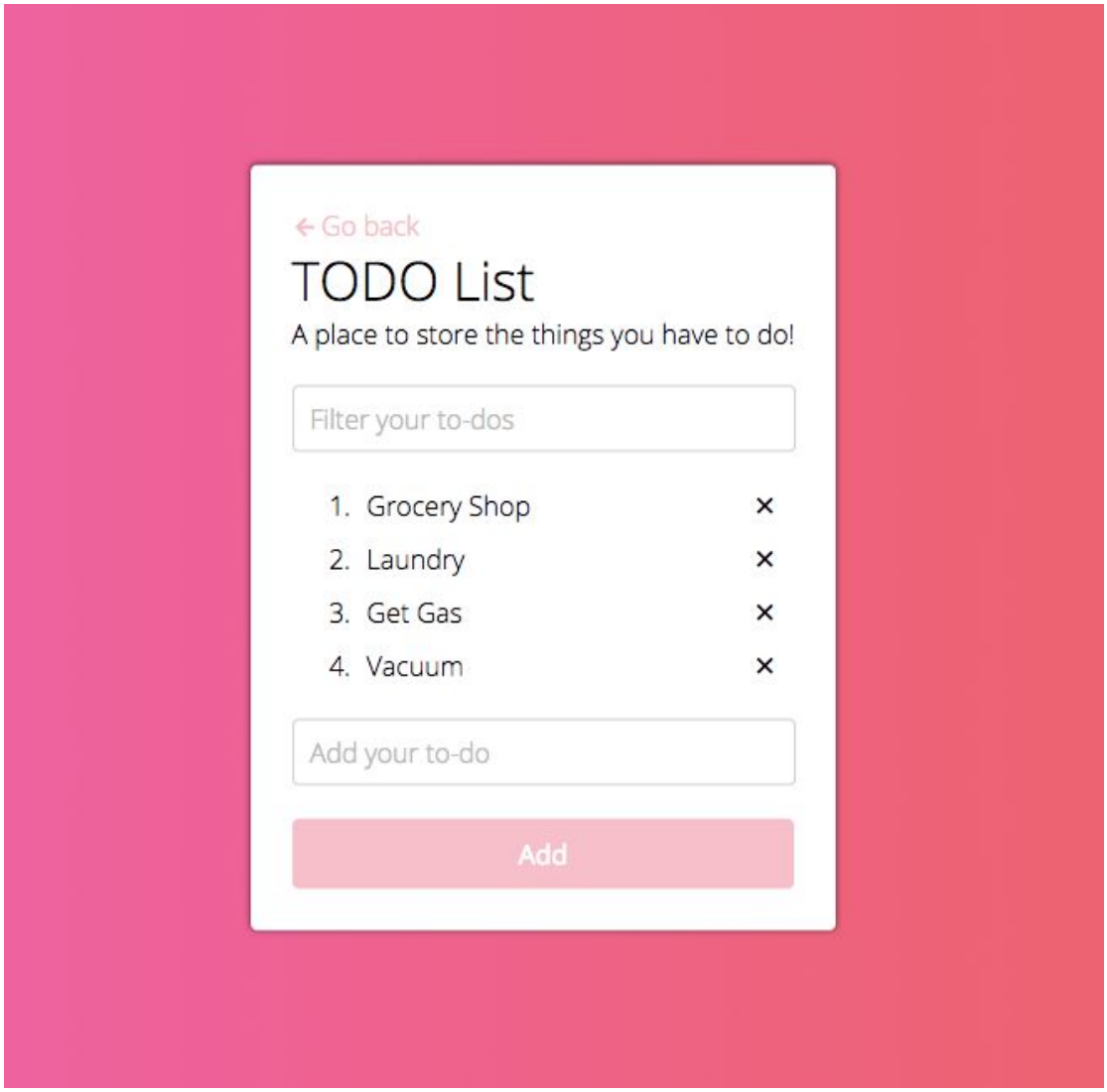
1. Allows the user to now have one page for their task list and form and another page as a welcoming page to introduce what the app is..

Build Specifications:

1. Include ngRoute as a dependency to your module.
2. Include the ngView directive into the index.html.

Wireframe Preview:

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TODO List
A place to store the things you have to do!
Filter your to-dos
1. Grocery Shop ×
2. Laundry ×
3. Get Gas ×
4. Vacuum ×
Add your to-do
Add