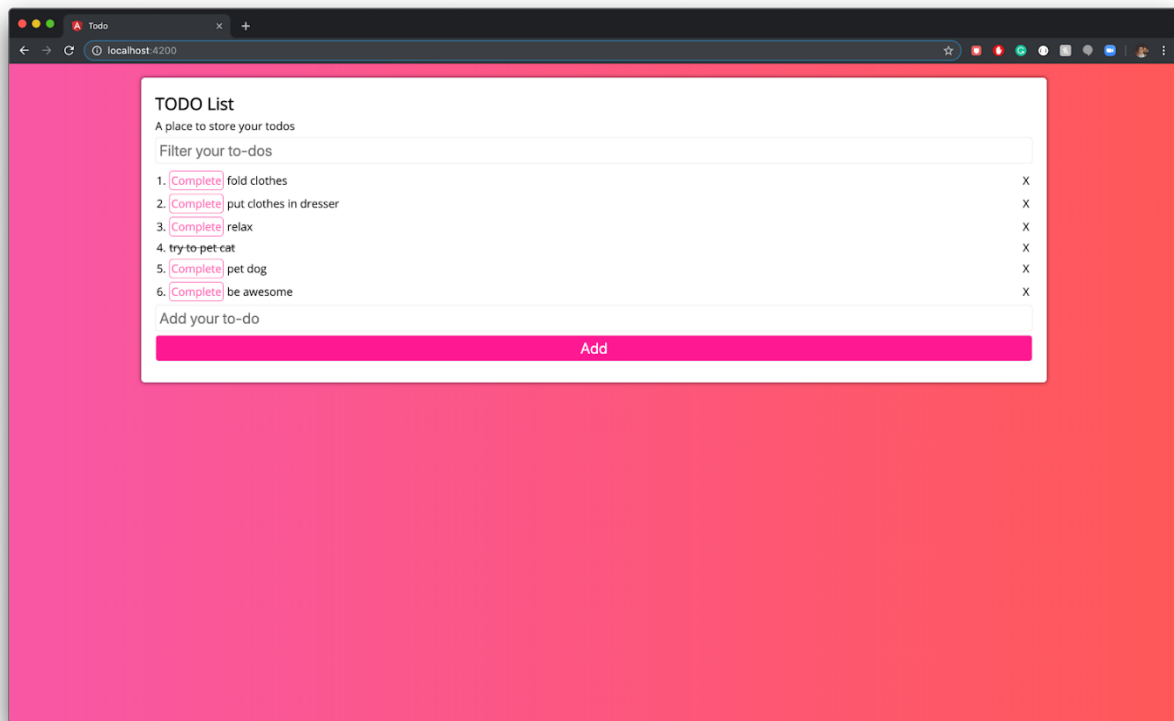# ANGULAR TODO
Objective: Angular Components, For Loops

Task: Create an Angular application that displays to-dos and allows the user to add new ones.

Build Specifications:
- Must include a Todo Interface, which consists of a "task" (string) and a "completed" (boolean).
- The component must add an array of sample todo objects to the view. Each todo object should match the Todo interface. Include a mix of complete and incomplete items. (Pre-populate the array in
- The ngForOf directive must be used.
- The ngIf directive must be used to remove the button "complete" button for completed todos.
- Submitting the form calls a function named addTask that adds a new todo to the array with the task set to the contents of the input field and the complete property set to false.
- Clicking the "complete" button executes a function named completeTask that sets the task's completed property to true.
- The text input at the top is for an extended challenge.
- CSS styling is optional for this lab. See style guide below.

Extended Challenges
1. Display a congratulations message if the list is empty or all items are complete.
2. Allow the user to remove items from the list, by clicking the "x". (Clicking the "x" on an item executes a function named removeTask that removes that item from the array.
3. Add strikethrough styling to completed items.
4. Allow the user to filter the list by typing in the top input. (Only items which include the text typed will be shown.)
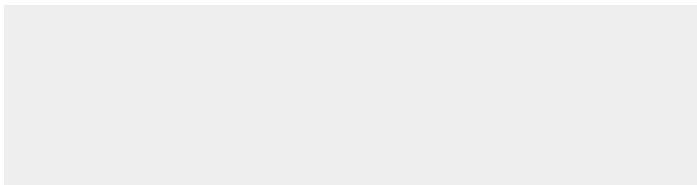5. Allow the user to edit a to-do.

Style guide:

- Font-family: Open Sans;
- Font-weight: 300;
- Body background: linear-gradient(to right, #f857a6, #ff5858)
- Icons: Font Awesome or Material Icons
- Box-shadow: box-shadow: 0px 0px 5px 0px rgba(0,0,0,0.75);
- Colors:

#bbb

#eee

#ff0000

#ff69b4

#ff1493