Todo List

# Version 1-Arrays

* It should have a place to store todos
* It should have a way to display todos
* It should have a way to add new todos
* It should have a way to change a todos
* It should have a way to delete a todos
* Review

# Version 2-Functions

* Functions are just recipes
* Customizing functions
* Requirements
* It should have  a function to display todos
* It should have a function to add new todos

# Version 3 - Objects

* What is an object
* Objects and functions
* Using Plunker
* Requirements
* It should store the todos array on an object
* It should have a displayTodos method
* It should have an addTodo  method
* It should have an changeTodo method
* It should have a deleteTodo method
* Review

# Version 4 - Booleans

* Requirements
* todoList.addTodo should add objects
* todoList.changeTodos should change the todoText property
* todoList.toggleCompleted should flip the completed property
* Review

# Version 5 - Loops of Logic

* The for loop
* Looping over arrays
* Requirements
* displayTodos should show todoText
* displayTodos should tell you if todos is empty
* displayTodos should show completed

# Version 6 - Thinking in Code

* Requirements
* toggleAll: if everything is true,make everything false
* toggleAll: Otherwise make everything true
* Review

# Version 7 - Html and DOM

* Requirements
* Html essentials
* What is DOM
* There should be a “Display todos “ button and a “Toggle all” buttons in the app
* Clicking “Display todos” should run todoList.display Todos
* Clicking “Toggle all” should run todosList.toggleAll
* Review

# Version 8- Getting data from input

* Out first refactoring
* More on refactoring
* Requirements
* There should be a button for adding todos
* There should be a button for changing todos
* There should be a button for deleting todos
* There should be a button for toggling a todo

# Escape from the console

* Requirements
* Inserting li elements into the DOM
* There should be an li element for every todo
* Each li element should contain .todoText
* Each li element should show .completed
* Escaping the console
* Review

# Interlude-Functions inside of functions

* runWithDebugger
* setTimeout
* forEach
* addEventListener
* Buzzwords: Higher ordere functions and callback functions

# Version 10- Click to delete

* The ‘return’ statement
* Requirements
* There should be a way to create delete buttons
* There should be a delete buttons for each todo
* Each li should have a id that has the todo position
* Delete buttons should have access to the todo id
* Clicking delete should update todoList.todos and the DOM
* Cleanup and Review

# Version 11 – Destroy all for loops

* Requirements
* todoList.toggleAll should use forEach
* view.displayTodos should use forEach
* Review

# Interlude- understanding \*this\*

* The cheatsheet
* Case 1: In a regular function
* Case 2: When a function is called as a method (1:15)
* Case 3: When a function is called as a constructor (5:11)
* Case 4: When you explicitly set the value of ‘this’ with bind, apply, or call (10:41)
* Case 5: when you’re in a callback function

# Next Steps

Congratulations!