

Objective

The objective of this workshop is to familiarize the participants with the tools used throughout this course

Setup

- a. Installed the following tools
 - i. NodeJS – <https://nodejs.org/en/download>
 - ii. Git – <https://git-scm.com/downloads>
 - iii. Terminal – <http://cmder.net>. This is optional; alternative to Windows cmd or PowerShell
 - iv. Visual Studio Code – <https://code.visualstudio.com/download>
- b. Open a terminal either cmd, PowerShell or cmder. Install the following node packages
 - i. `npm install -g typescript`
 - ii. `npm install -g @angular/cli`
- c. Create an account in either Bitbucket (preferred) or GitHub
 - i. BitBucket – <https://bitbucket.org>
 - ii. GitHub – <https://github.com>
- d. Create an account in Vercel (<https://vercel.com>). Install the vercel CLI
 - i. `npm i -g vercel`

Workshop



















Task 1

Create a new Angular project. Open the project in Visual Studio Code

Launch the Angular project that you have just created

Task 2

Create the following view.

Please Select	My Cart												
<table border="1"><tr><td> Item 1</td><td>Add</td></tr><tr><td> Item 2</td><td>Add</td></tr><tr><td> Item 3</td><td>Add</td></tr><tr><td> Item 4</td><td>Add</td></tr></table>	 Item 1	Add	 Item 2	Add	 Item 3	Add	 Item 4	Add	<table border="1"><tr><td> Item 2, quantity: 3</td><td>Remove</td></tr><tr><td> Item 3, quantity: 1</td><td>Remove</td></tr></table>	 Item 2, quantity: 3	Remove	 Item 3, quantity: 1	Remove
 Item 1	Add												
 Item 2	Add												
 Item 3	Add												
 Item 4	Add												
 Item 2, quantity: 3	Remove												
 Item 3, quantity: 1	Remove												

The view consists of 2 components

Inventory component

The inventory component is shown on the left column. Each inventory consist of the following:

- An image of the item
- Description
- An Add button

The inventory list is fixed.

When the Add button is pressed, the item will be added to the shopping cart list on the right with a quantity of 1. If the item exists on in the cart, the quantity will be incremented by 1.

Shopping cart component

Each item in the cart consist of

- The item's image
- Description
- Quantity
- A button for removing the item from the cart

When the Remove button is pressed, the item will be removed from the cart.

The diagram above is for illustration only. Feel free to design your own UI.

Task 3

Deploy your Angular application to Vercel

Task 4

Check in the code into your git repo (either BitBucket or GitHub)