Day 31 Workshop <u>Duration: 120 mins</u> Client Side Foundation

## **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 <a href="https://nodejs.org/en/download">https://nodejs.org/en/download</a>
  - ii. Git <a href="https://git-scm.com/downloads">https://git-scm.com/downloads</a>
  - iii. Terminal <a href="http://cmder.net">http://cmder.net</a>. 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 typescriptii. npm install -g @angular/cli
```

- c. Create an account in either Bitbucket (preferred) or GitHub
  - i. BitBucket <a href="https://bitbucket.org">https://bitbucket.org</a>
  - ii. GitHub <a href="https://github.com">https://github.com</a>
- d. Create an account in Vercel (https://vercel.com). Install the vercel CLI
  - i. npm i -q vercel

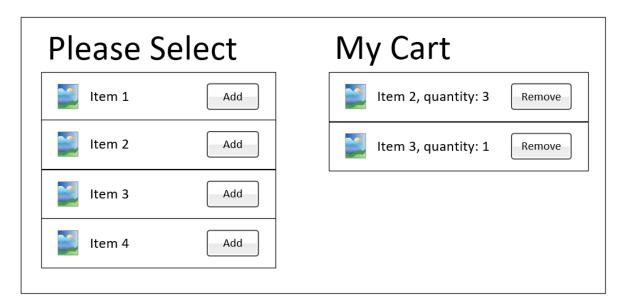
# Workshop

#### Task 1

Create a new Angular project. Open the project in Visual Studio Code Launch the Angular project that you have just created

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Task 2
Create the following view.



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.

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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)