**Steps to build and deploy the Shopkick Barcodes application**

1. Install node.js (<https://nodejs.org/en/download/>) either for MacOS or for Windows
2. Install Angular (<https://coursetro.com/posts/code/105/How-to-Install-Angular-5-(Tutorial>))
3. Install Java 8 or later
4. Install MongoDB server (<https://www.mongodb.com/download-center?jmp=tutorials&_ga=2.208595153.2140575525.1530875123-1114559025.1528194680#community>)
5. Download MongoDB compass – a visual tool to play around with MongoDB <https://www.mongodb.com/products/compass>
6. Make sure the required paths for Java, MongoDB etc are in the environment path of the respective OS platform. Running ***java -version***

and ***mongo –version*** can help confirm if both are installed right

1. Download or clone the Shopkick Barcodes project from - <https://github.com/santosh-subrahmanya/scanners-2>. This link has both the server (Spring Boot) and the client side (Angular) codebase
2. Go to the root folder from the project downloaded or cloned from step 7
3. Go to the Shopkick folder and run the command ***ng build*** which builds the client side project
4. Repeat Step 8
5. Run **java** **ScannersApplication** which runs the project
6. If the application starts perfectly, hit the following URL - <http://localhost:8080/#/>

**Data Import**

Before running the project, do a data setup with the following steps

1. Create a database in MongoDB with the name – ***barcodes***
2. Create two collections with the names – ***company*** and ***barcodes***
3. Import the collection data (json data) attached in this document for the two collections.

**Barcodes data**

{"\_id":{"$oid":"5b03dfb983107b2866d1e0ab"},"productCategory":"Electronics","productName":"HP Printer","productDescription":"HP Printer Model WAV-50","productImageUrl":"/assets/images/products/HP-printer.png","barcodeImageUrl":"/assets/images/barcodes/Walmart-barcode-1.png","company":"Walmart","numOfHits":"","archived":"false"}

{"\_id":{"$oid":"5b03e041772ebc286679b176"},"productCategory":"Electronics","productName":"Apple Ipad - 64 GB","productDescription":"Apple Ipad Retina - 64 GB","productImageUrl":"/assets/images/products/Apple-Ipad.png","barcodeImageUrl":"/assets/images/barcodes/Walmart-barcode-3.png","company":"Walmart","numOfHits":"1","archived":"false"}

{"\_id":{"$oid":"5b03e07a772ebc286679b177"},"productCategory":"Electronics","productName":"One plus 6 - 8/128 GB","productDescription":"One plus 6 - 8/128 GB","productImageUrl":"/assets/images/products/Oneplus6.png","barcodeImageUrl":"/assets/images/barcodes/Walmart-barcode-3.png","company":"Walmart","numOfHits":"2","archived":"false"}

{"\_id":{"$oid":"5b17c6f23390310e3236a0b5"},"productCategory":"Food","productName":"Beggin Littles","productDescription":"Beggin Littles with Bacon and Cheese Flavor","productImageUrl":"/assets/images/products/beggin-littles.png","barcodeImageUrl":"/assets/images/barcodes/beggin-littles.jpg","company":"Purina","numfOfHits":"","archived":"false"}

{"\_id":{"$oid":"5b3f155d4e1e2a48ddbe6372"},"productCategory":"Food","productName":"Teavana","productDescription":"Teavana Mango Tea","productImageUrl":"/assets/images/products/Tevana Tea.jpg","barcodeImageUrl":"/assets/images/barcodes/Tevana\_Tea\_Barcode.jpg","company":"Walmart","numOfHits":"0","archived":"false"}

{"\_id":{"$oid":"5b3f1ddc67eb7b48dd6aa255"},"productCategory":"Food","productName":"M & M's Chocolates","productDescription":"M&Ms Blue Milk Chocolate","productImageUrl":"/assets/images/products/M&Ms\_Blue\_MilkChocolate.jpg","barcodeImageUrl":"/assets/images/barcodes/M&MsBuleMilkChocolate\_Barcode.jpg","company":"Walmart","numOfHits":"0","archived":"false"}

{"\_id":{"$oid":"5b3f203dbd33c94ec81b6e7a"},"productCategory":"Food","productName":"Nut Thins","productDescription":"Blue Diamond Nut Thins Almonds","productImageUrl":"/assets/images/products/Nut\_Thins.jpg","barcodeImageUrl":"/assets/images/barcodes/Nut\_Thins\_barcode.jpg","company":"Walmart","numOfHits":"0","archived":"false"}

{"\_id":{"$oid":"5b3f2f4ebd33c94ec81b6e7b"},"productCategory":"Wines","productName":"Prophecy Wines","productDescription":"Prophecy Wines","productImageUrl":"/assets/images/products/Prophecy\_Wines.png","barcodeImageUrl":"/assets/images/barcodes/Prophecy\_Wines\_Barcode.jpg","company":"Walmart","numOfHits":"0","archived":"false"}

{"\_id":{"$oid":"5b3f313ebd33c94ec81b6e7c"},"productCategory":"Wines","productName":"Ravage Wines","productDescription":"Ravage Wines","productImageUrl":"/assets/images/products/Ravage\_Wines.jpeg","barcodeImageUrl":"/assets/images/barcodes/Ravage.jpg","company":"Walmart","numOfHits":"0","archived":"false"}

**Company Data**

{"\_id":{"$oid":"5afd489ab2935cf64716254f"},"name":"Walmart","description":"Walmart Store","imageUrl":"/assets/images/company/Walmart.png"}

{"\_id":{"$oid":"5b02b99183107b2866d1e0aa"},"name":"Bestbuy","description":"Bustbuy Store","imageUrl":"/assets/images/company/Bestbuy.png"}