Assignment 3

Create a simple Customer Data based application.

**Main Fields can be**

|  |  |
| --- | --- |
| Name | TextBox |
| Gender | Radio |
| Email | TextBox |
| Address | Text area |
| City | TextBox |
| State | Dropdown |
| Country | Dropdown |
| Photo | Upload Photo |
| Hobbies | Checkbox list with some predefined hobbies |

**Components/Screens**

List Customer Screen with Search, Sorting functionality

* 1. List View -
  2. Card View

1. Add Customer
2. Edit Customer

**Please demonstrate key features provided by the Angular framework.**

* TypeScript classes, modules
* Modules are loaded with System.js
* Defining routes including child routes and lazy loaded routes (as applicable)
* Using Custom Components - May be for List item, Card item ,Add/edit etc
* Using Custom Directives
* Using Custom Pipes
* Defining Properties and Using Events in Components/Directives
* Using the Http object for Ajax calls along with RxJS observables
* Working with Utility and Service classes (such as for sorting and Ajax calls)
* Create Restful APIs using Node.JS/Express with ES6
* Use MongoDB database
* Unit Testing(This can be done after application is developed)
  + Jasmine/Karma – Angular
  + Mocha/chai – Node.Js