# CardWorks Servicing AngularJs programming exercise

*Note: Starter VS Solution can be downloaded from*

* [*https://github.com/orest/CWS.SimpleBank*](https://github.com/orest/CWS.SimpleBank)
* *Please use Visual Studio 2019 to run downloaded solution*

## Solution Description

Simple Bank provides the following financial products to customers:

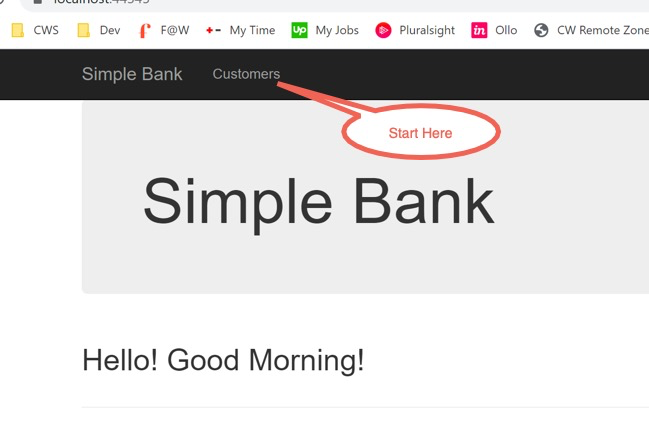
1. Certificate of Deposit
2. Loan
3. Credit Card

Each customer can have many of these products or none. You will need to modify existing application to

* Show existing customer list with a link to show customer’s accounts (completed)
* Different products/account types have different properties that will need to be displayed. For example Loan Account will have Term property and APR, where Credit Card Account will have Expiration Date
* Allow Customer to Apply for an account.

## Implementation

* Visual studio project is used for hosting purposes and you will not need to modify any .NET code.
* You will be using AngularJs
* Starter AngularJs application is located under \CWS.SimpleBank\js\app. If you prefer to use VS Code you can open that folder directly in VS Code
* MVC routing is completed and points to AngulrJs project. Use “Customers link” on the top menu to get to the project



* AngulrJS starter project consists of multiple modules, but the only one you need to work on is “customer” module - “\js\app\customer”

## API

API URL Base : <http://simplebankapi.azurewebsites.net/>

APIs setup under “api” route prefix

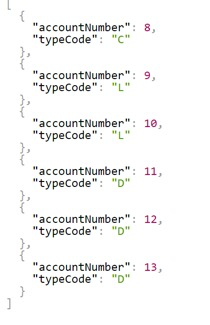
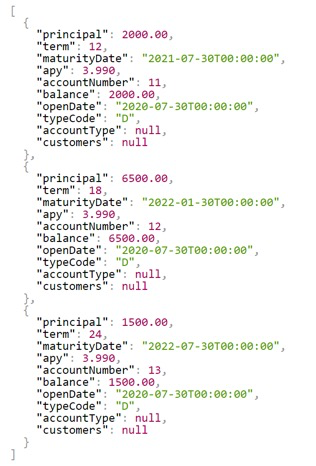
You will need to use following API endpoints

* Get All Products
  1. /accountTypes (full URL example http://simplebankapi.azurewebsites.net/api/accountTypes)



* Get All Customers
  1. /customerApi

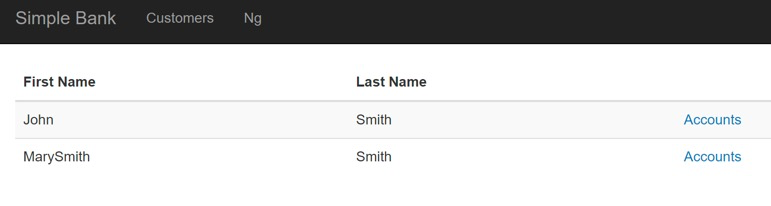


* Get Customer Account List
  1. /customerAccounts/<customerNumber> (http://simplebankapi.azurewebsites.net/api/CustomerAccounts/1)
  2. 
* Get account details for specific customer and account type
  1. /api/CustomerAccounts/<customerNumber>?accountType=<accountType>(http://simplebankapi.azurewebsites.net/api/CustomerAccounts/1?accountType=D)
  2. 

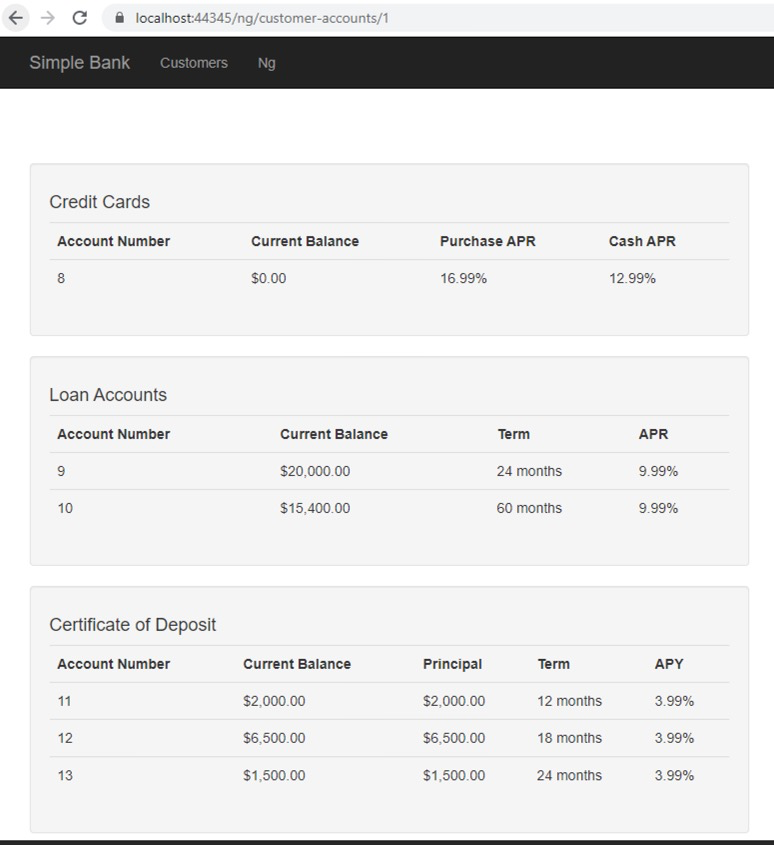
## Tasks

Starter project is already making an API call to get All customers.

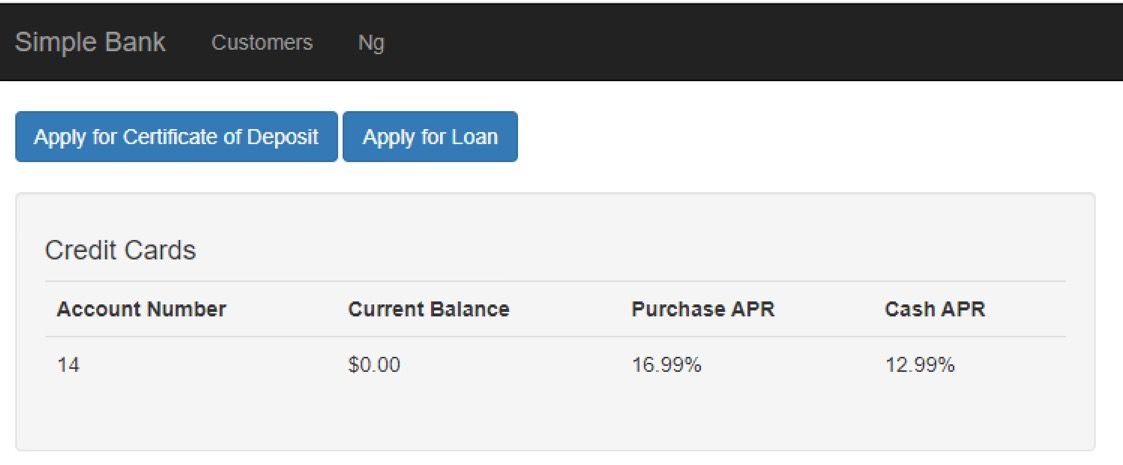
1. On the initial screen there is an Accounts link that is redirecting to
   1. customer-accounts route (already coded).
   2. customer-accounts.html already has a template of what data needs to be displayed for each account type



* 1. You will need make necessary API calls to display data
  2. Please note you will need to get distinct account type and make “**Get account details for specific customer and account type**” api call



1. For account types that customer does not have display “Apply for <account type description> account ” button or link



1. Create new Route/Controller/Template – “account-create”
2. Send account type to “account-create” and display type description.

