

# SnaFoo MVC Application

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## Description

The website is a very simple MVC Application using bootstrap and [ASP.NET MVC](#) and is created to be easily extensible for upgrades to the front-end and logic.

## File Structure

The website follows the standard file structure. The main solution is SnaFoo and inside are the folders Models, Views, and Controllers.

## Controllers

There are 4 different controllers:

**Home** — This is just used to simplify navigation and can easily be removed and replaced with a Navigation bar or menu as a Partial View in the Layout if desired.

**ShoppingList** — This contains the logic and returns the Shopping List view respectively as given in the requirements document.

**Suggestions** — This contains the logic and returns the Suggestions View with the suggestions forms given in the requirements document.

**Voting** — This contains the logic and returns the Voting View with the vote functionality for optional Snacks.

## Data Layer

Currently in order to connect with either the web service or the database all methods and queries are handled in the DataHelper class. All models call on DataHelper respectively to translate the data. DataHelper is located in *SnaFoo/Models/Helpers/DataHelper.cs*

## Views

Although it was specified to use 3 pages, I do have the navigation page for Home as I was trying to make the design as obvious as possible of extensibility.

All Views have a Index respectively, and Suggestions and Voting also have simple Error pages.

# Configuration

For test development by other users, I've made many of the parts of the MVC application configurable through the web.config located at SnaFoo/web.config

Type	Key	Value	Description
ConnectionString	SnaFooDB	SnaFooDB" connectionString="Data Source=(LocalDB) \\MSSQLLocalDB;Attach DbFilename=C:\\Users \\Miriam\\Desktop\\NAT \\SnaFoo\\SnaFoo \\App_Data \\Database1.mdf;Integrat ed Security=True	This is the location of the local Database currently but can be set to any database that is accessible by your local computer or whatever server you are currently on.
AppSetting	APIKEY	6c30d9a0-bfd4-4c5c- b31a-20b5f579f388	This is the API key used to access the API through the calls. Currently it is set to my API key as the default but you may change it to use yours.
AppSetting	UseCookies	TRUE	This is for extensibility as in test I am using cookies to detect whether a user has voted or made a suggestion more than 3 times in a month.
AppSetting	Cookie_Default_Timeout	1	This is the number of minutes the cookie timeout is set to for testing purposes. It will be irrelevant if UseCookies is false, currently.

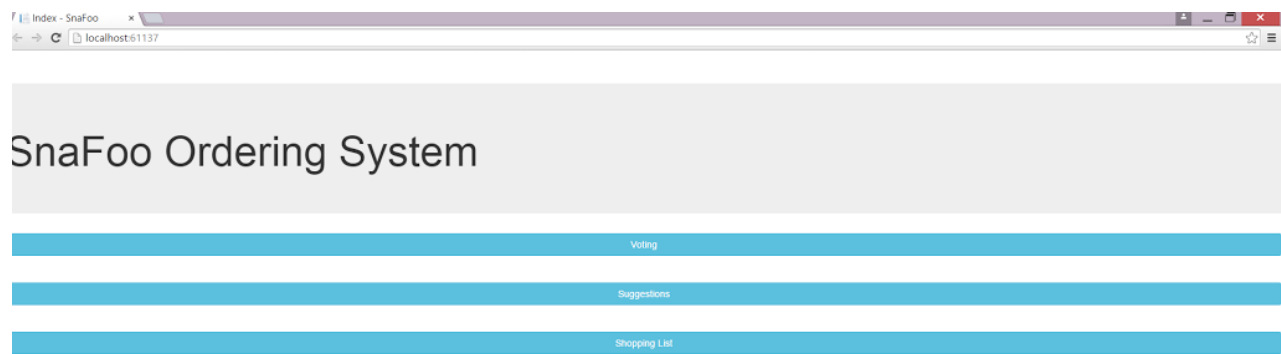
# Website

The website uses .Net 4.5 so make sure that is installed on whatever server or your local machine in order to run it.

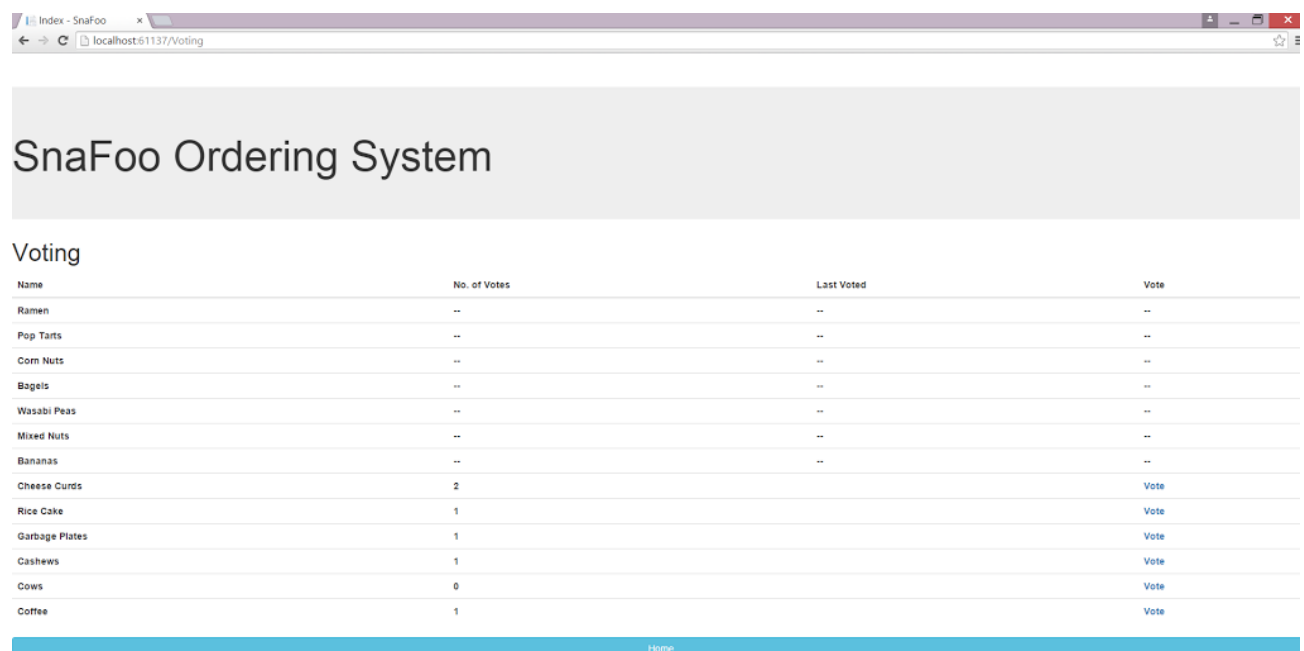
When running locally the website will be located at *localhost:61137* but this will change if you run it on a different port on a server or local IIS and will depend on how you configure it.

You should see the home screen immediately and be able to navigate from there respectively. I use the standard routing so there will be no surprises with URLs. Below are what the website should generally look like when you are running it.

## Home Screen



## Voting Page



# Suggestions Page

Index - SnaFoo

localhost:61137/Suggestions

SnaFoo Ordering System

Suggestions

Cheese Curds

Submit

Name

Location

Submit

Home

# Shopping List

Index - SnaFoo

localhost:61137/ShoppingList

SnaFoo Ordering System

Shopping List

Name	Location
Ramen	Whole Foods
Pop Tarts	Cub Foods
Corn Nuts	Cub Foods
Bagels	Cub Foods
Wasabi Peas	CVS
Mixed Nuts	CVS
Bananas	Whole Foods
Cheese Curds	Wisconsin
Rice Cake	South Korea
Garbage Plates	Rochester, NY

Home

## Known Issues

- I only realized that I do not check to make sure that suggestions are all in the same month after I was done developing so I'm writing this down as a known issue that in the future this will need to make sure the previous calls were the same month before alerting the user.
- There are 4 pages instead of 3, this is explained earlier as it is easier to extend for now.
- I only tested in Chrome so there may be browser issues in other browsers.
- There is a folder called Mappers which I normally use to map models to/from data sources but I did not implement it.