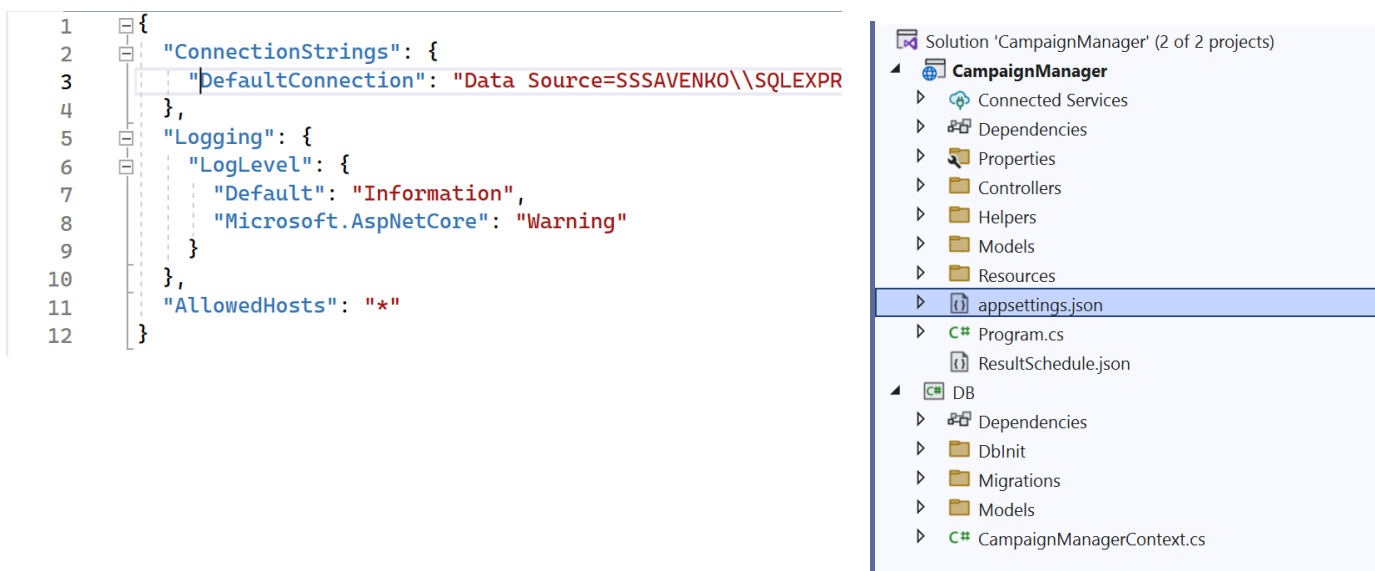


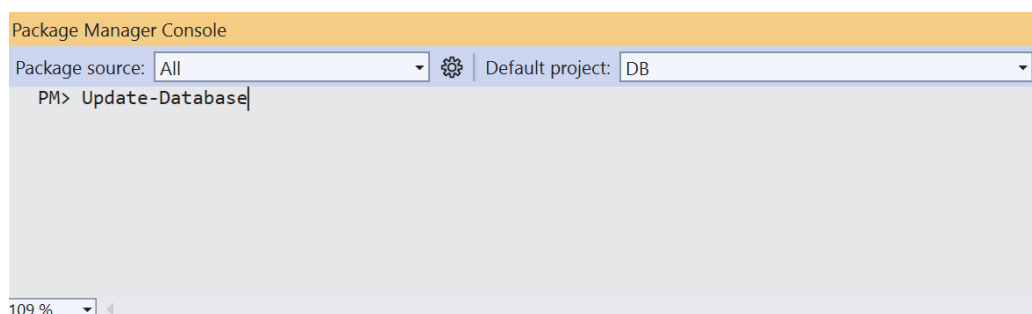
Campaign Manager Documentation in nutshell

Deployment

1. Download Project
2. Ensure that You have MS SQL Server
3. Change connection string (if You have some unusual case)



4. Update database by using package manager console



After this few steps You will be ready to use the project, so You can run it.

Usage

Campaign

There are few methods which allow You to manage campaigns.

Campaigns	
GET	/Campaigns/list
GET	/Campaigns/{id}
GET	/Campaigns/conditions/{id}
POST	/Campaigns/add
POST	/Campaigns/update
POST	/Campaigns/remove
GET	/Campaigns/schedule

Lets create a campaign for example. To create new campaign You need to know template Id, which new campaign is going to use, so You can get templates list by using method **GET /list** from template controller.

POST	/Campaigns/add
Parameters	
No parameters	
Request body	
<pre>{ "campaignTime": "2023-11-10T15:26:14.150Z", "templateId": 1 }</pre>	

Further You can update, remove this campaign if You need it.

Conditions

To add a new condition let's move to the CampaignConditions controller and use the method **POST add**. To add new condition You should know a little bit more information:

- Customers Field Names
- Condition Indexes

```
public enum Condition
{
    Equal = 0,
    NotEqual = 1,
    GreaterThan = 2,
    GreaterThanOrEqual = 3,
    LessThan = 4,
    LessThanOrEqual = 5,
}
```

- Gender and Cities Id(You can get it from the Customers controller **GET /list** (keywords should start from uppercase))

POST /CampaignConditions/add	POST /CampaignConditions/add
Parameters	Parameters
No parameters	No parameters
Request body	Request body
<pre>{ "campaignId": 2, "condition": 3, "fieldName": "Deposit", "fieldValue": "100" }</pre>	<pre>{ "campaignId": 1, "condition": 1, "fieldName": "GenderDataId", "fieldValue": "1" }</pre>

Note: these cases with indexes could be fixed easily on the front-end part of the project.














Schedule

To get a schedule You should return to the Campaigns controller and use the method **GET /schedule**.

GET /Campaigns/schedule
Parameters
No parameters

You will get a schedule in response in json format. Also You can find a new json file in the project with this schedule.

```
[{"Id":10,"Age":70,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":3,"CityData":{"Id":3,"Name":"Paris"},"Deposit":57.00,"NewCustomer":false}, {"Id":11,"Age":41,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":2,"CityData":{"Id":2,"Name":"New York"},"Deposit":131.00,"NewCustomer":false}, {"Id":12,"Age":32,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":154.00,"NewCustomer":true}, {"Id":13,"Age":62,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":3,"CityData":{"Id":3,"Name":"Paris"},"Deposit":135.00,"NewCustomer":false}, {"Id":14,"Age":67,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":153.00,"NewCustomer":true}, {"Id":15,"Age":68,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":1,"CityData":{"Id":1,"Name":"London"},"Deposit":241.00,"NewCustomer":true}, {"Id":16,"Age":41,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":1,"CityData":{"Id":1,"Name":"London"},"Deposit":134.00,"NewCustomer":false}, {"Id":17,"Age":46,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":1,"CityData":{"Id":1,"Name":"London"},"Deposit":212.00,"NewCustomer":false}, {"Id":18,"Age":77,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":97.00,"NewCustomer":true}, {"Id":19,"Age":51,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":1,"CityData":{"Id":1,"Name":"London"},"Deposit":141.00,"NewCustomer":true}, {"Id":20,"Age":80,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":3,"CityData":{"Id":3,"Name":"Paris"},"Deposit":189.00,"NewCustomer":false}, {"Id":21,"Age":31,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":134.00,"NewCustomer":true}, {"Id":22,"Age":80,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":81.00,"NewCustomer":false}, {"Id":23,"Age":36,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":1,"CityData":{"Id":1,"Name":"London"},"Deposit":237.00,"NewCustomer":true}, {"Id":24,"Age":65,"GenderDataId":2,"GenderData":{"Id":2,"Name":"Female"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":119.00,"NewCustomer":false}, {"Id":25,"Age":72,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":139.00,"NewCustomer":false}, {"Id":26,"Age":64,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":4,"CityData":{"Id":4,"Name":"Tel-Aviv"},"Deposit":128.00,"NewCustomer":true}, {"Id":27,"Age":29,"GenderDataId":1,"GenderData":{"Id":1,"Name":"Male"},"CityDataId":1,"CityData":{"Id":1,"Name":"London"},"Deposit":100.00,"NewCustomer":false}
```

Name	Date modified	Type	Size
 ResultSchedule.json	10/11/2023 17:57	JSON File	7 KB
 Program.cs	10/11/2023 16:02	C# Source File	2 KB
 CampaignManager.csproj.user	10/11/2023 00:23	Per-User Project O...	1 KB
 CampaignManager.csproj	10/11/2023 15:38	C# Project file	2 KB
 appsettings.json	09/11/2023 19:25	JSON File	1 KB
 appsettings.Development.json	09/11/2023 16:43	JSON File	1 KB
 Resources	10/11/2023 06:04	File folder	
 Properties	09/11/2023 16:43	File folder	
 obj	10/11/2023 15:18	File folder	
 Models	10/11/2023 16:45	File folder	
 Helpers	10/11/2023 17:58	File folder	
 Controllers	10/11/2023 17:08	File folder	
 bin	09/11/2023 16:43	File folder	

You can validate json here <https://jsonformatter.curiousconcept.com> and check result