Developer Technical Exercise

Prerequisites

@angular/cli : 9.1.12 @angular: 9.1.12

• Node v14.15.0

• NPM 6.14.8

Tools used

Visual Studio : 2019Visual Studio Code

Frameworks

• .Net Core Framework : 3.1

• .Net Standard 2.0

• .Net Core Web API

• XUnit

• Moq (Mocking Fremeowrk)

• Jasmine and Karma etc.

Steps to run application

Step 1: Extract .zip file : Lab.Technical.Exercise

Step 2: Run 'npm install' command at the location of package.json

Example:

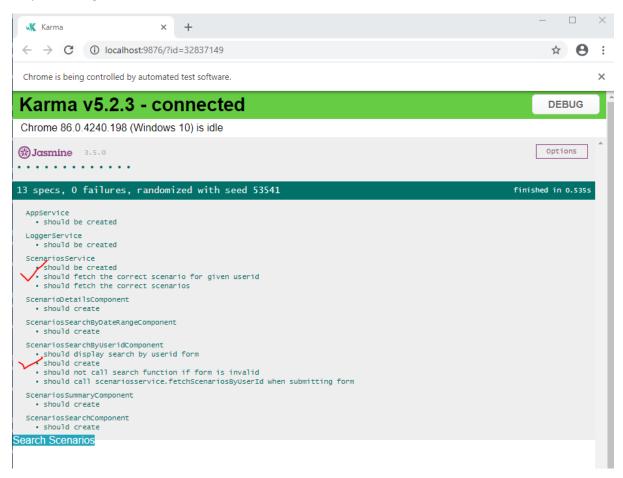
... Lab.Technical.Exercise\Lab.Technical.Exercise.WebApp\ClientApp

☑ Windows PowerShell

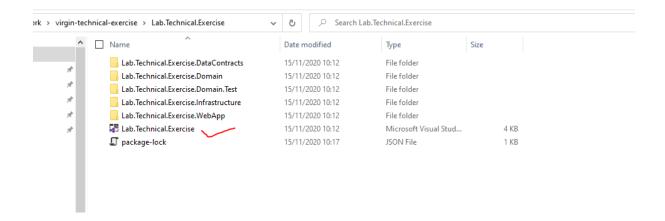
PS C:\Users\prasa\work\virgin-technical-exercise\Lab.Technical.Exercise\Lab.Technical.Exercise.WebApp\ClientApp> npm install

Step 3: Run ng build

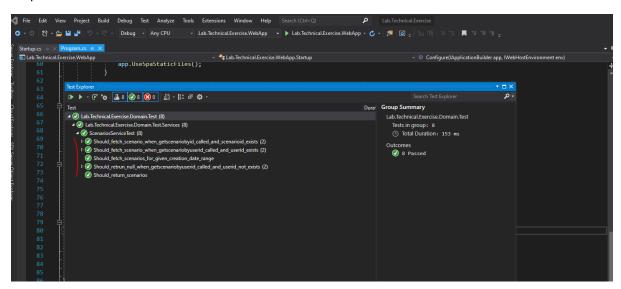
Step 4: Run ng test



Step 5: Open the .sln in Visual Studio 2019 by double click on .sln file



Step 6: Run Unit tests:



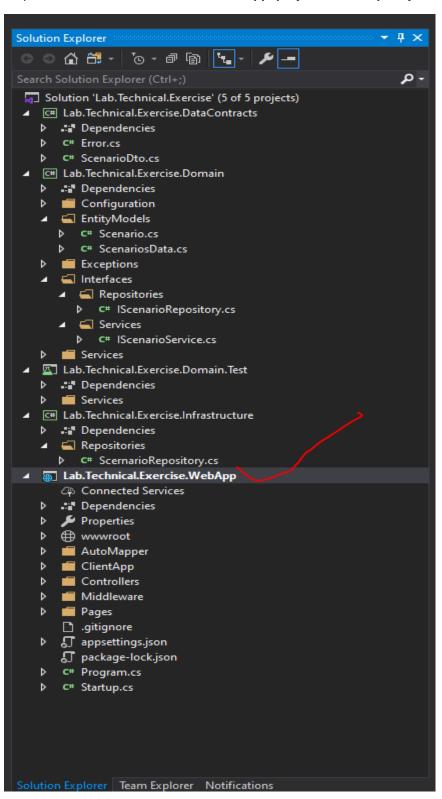
Step7: Provide Data file location

Update data file (data.xml) file location in appettings.json file at

```
appsettings.json a X
Schema: https://json.schemastore.org/appsettings

| Comparison of the content of the conte
```

Step 8 : Set 'Lab.Technical.Exercise.WebApp' project as Startup Project



Step 9: Then run the application either thru 'Kestrel web server' or IIS express

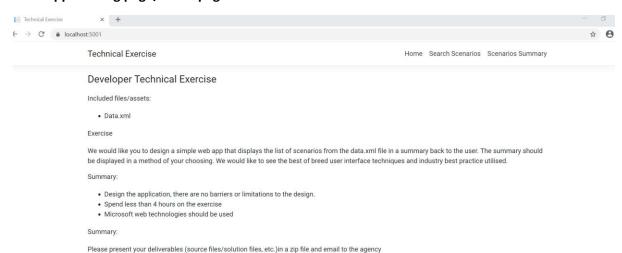
NOTE: Please use the following URL if cannot run the project locally:

https://techexercisewebapp.azurewebsites.net/scenarios-summary

REST End Points for Scenario Resources:

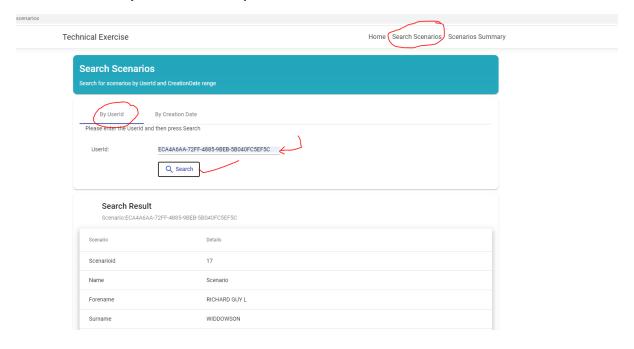
- To retrieve all resources
 - o https://techexercisewebapp.azurewebsites.net/api/scenarios
- To retrieve scenario by UserId
 - https://techexercisewebapp.azurewebsites.net/api/scenarios/byuserid/ECA4A6AA-72FF-4885-9BEB-5B040FC5EF5C
- To retrieve scenario by Scenariold
 - o https://techexercisewebapp.azurewebsites.net/api/scenarios/byscenarioid/45
- To retrieve scenarios by Creation Date Range
 - o https://techexercisewebapp.azurewebsites.net/api/scenarios/ByCreationDateRange ?dateFrom=2013-01-01&dateTo=2020-11-15

Web App Landing page/home page:



To Search Scenarios by 'UserId' or 'CreationByDate' range click on menu option: Search Scenarios

Search Scenarios by Userld: For example : $\verb|ECA4A6AA-72FF-4885-9BEB-5B040FC5EF5C||$



To **Search Scenarios** by 'Creation Date' range:

Technical Exercise

Search Scenarios
Search for scenarios by UserId and CreationDate range

By UserId

By Creation Date

Please enter the from and to dates below to find scenarios and then press Search

From date

11/1/2020

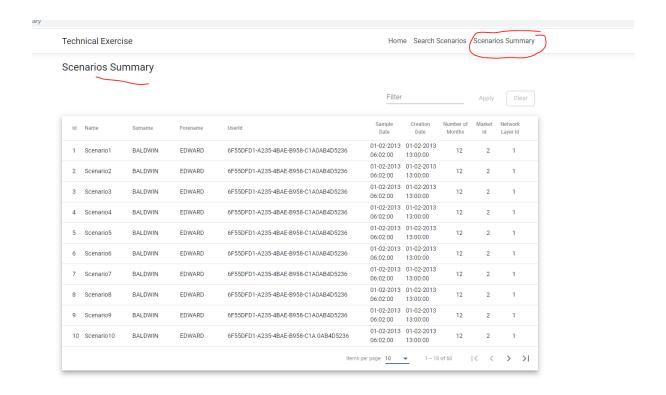
To date

11/15/2020

Search

Q Search

For Scenarios Summary click on menu option: Scenarios Summary

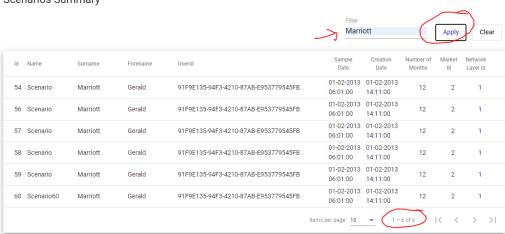


To Filter Scenarios:

Technical Exercise

Home Search Scenarios Scenarios Summary

Scenarios Summary



To **Sort** Summary Table Columns:

Technical Exercise Home Search Scenarios Scenarios Summary

Scenarios Summary

