Create a Prototype for Joe's Pizza Portal Using Selenium, NUnit, and SpecFlow to Develop and Test. Deploy it into Azure VM Using Jenkins

Course-end Project 1

DESCRIPTION

Build an ASP.NET website comprising of the following three pages:

- Pizza selection page
- Order checkout page
- Order confirmation page

Create test suites to test the pages for end-user testing.

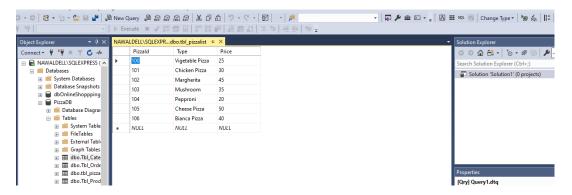
Background of the problem statement:

Joe's Pizza has created the UI for an online ordering portal. They want the pages to be properly tested with a testing framework using NUnit, Selenium and Specflow. The prototype will then be deployed via Jenkins to an Azure VM at scheduled intervals.

The document contains:

- 1. create DB
- 2. Source Code of ASP.NET Core Project
- 3. Source Code of Selenium Testing:
- 4. Source Code for NUnit Testing:
- 5. Source Code of SpecFlow testing
- 6. GitHub steps
- 7. Jenkinn setup
- 8. Deployment in Azure

1. create DB

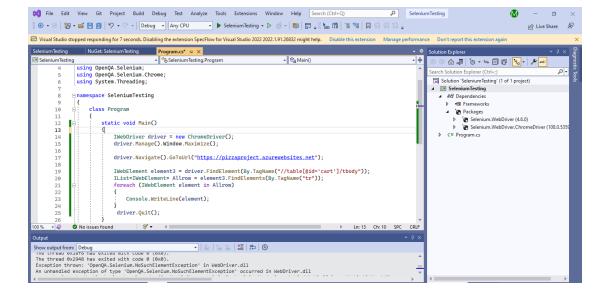


2. Source Code of ASP.NET Core Project:

https://github.com/bitonal/Project1_Cource4.git

3. Source Code of Selenium Testing:

Packages to be installed & library classes to be created



4. Source Code for NUnit Testing:

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Solution *Nuffetting* (2 of 2 projects)

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SqlCommand cmd = nem SqlCommand(query, cn);
cmd.Parameters.AddWithValue("@PizzaId", id);
string ename = cmd.ExecuteScalar().ToString();
return ename = cmd.ExecuteScalar().ToString();
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☐ DataAccessLogicLayer

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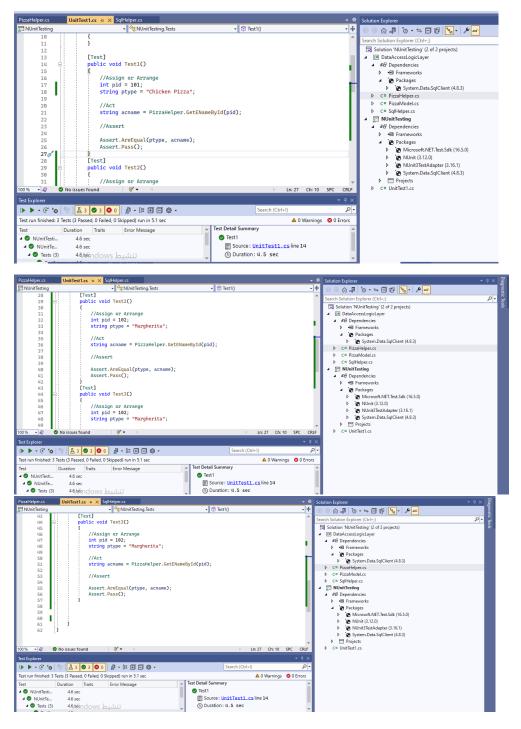
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##### To
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                                                                                               return SqlHelper.GetENameById(id);
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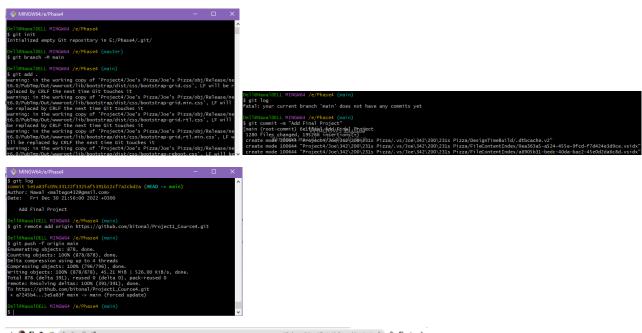


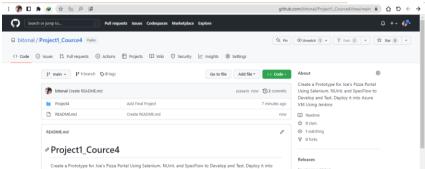
5. Source Code of SpecFlow testing:

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6. GitHub steps:

- Git init and git add.
- Git commit
- Git push





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7. Jenkins:

Once Jenkins is connected to server,

Jenkins is available in localhost:8080 /and give password : 62ffeb2fb1fb4f7cafec400f8ab1152a

Setup: install suggested plugins

Admin1

• User name:n2_14a

• Password:Aa1234567890

• Email:nawalcs2019@gmail.com

• Jenkins URL: localhost:8080

8. Deployment in Azure:

The link to wepsite: https://pizzaproject.azurewebsites.net

VM is created in Azure where Jenkins is installed and worked upon!

Create new app services and publish the ASP.NET project.

(Steps are shown in Screenshots document)