

# 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.

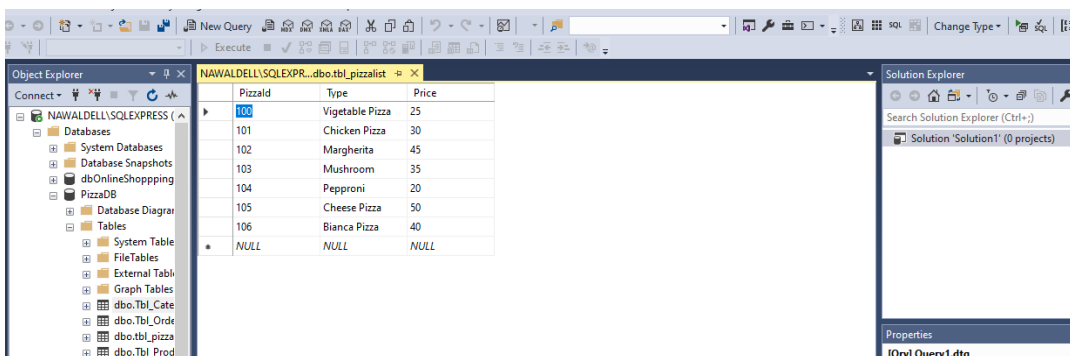
#### Background of the problem statement:

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

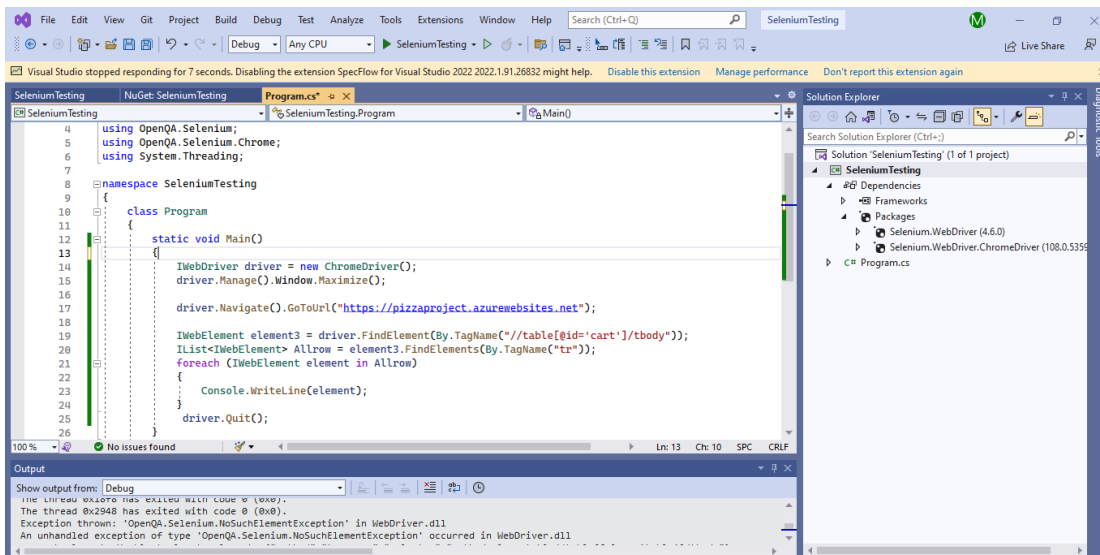


### 2. Source Code of ASP.NET Core Project:

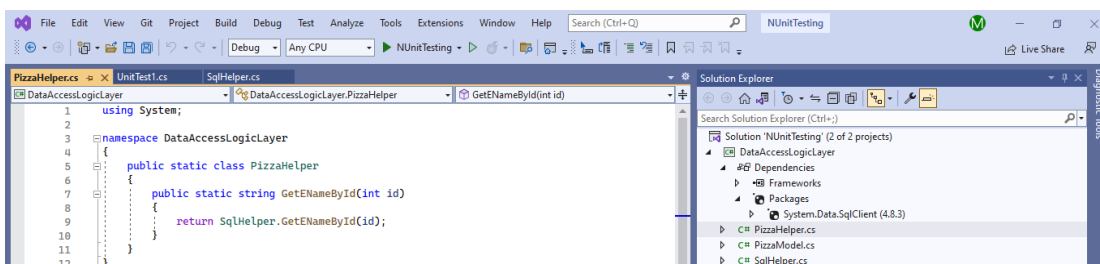
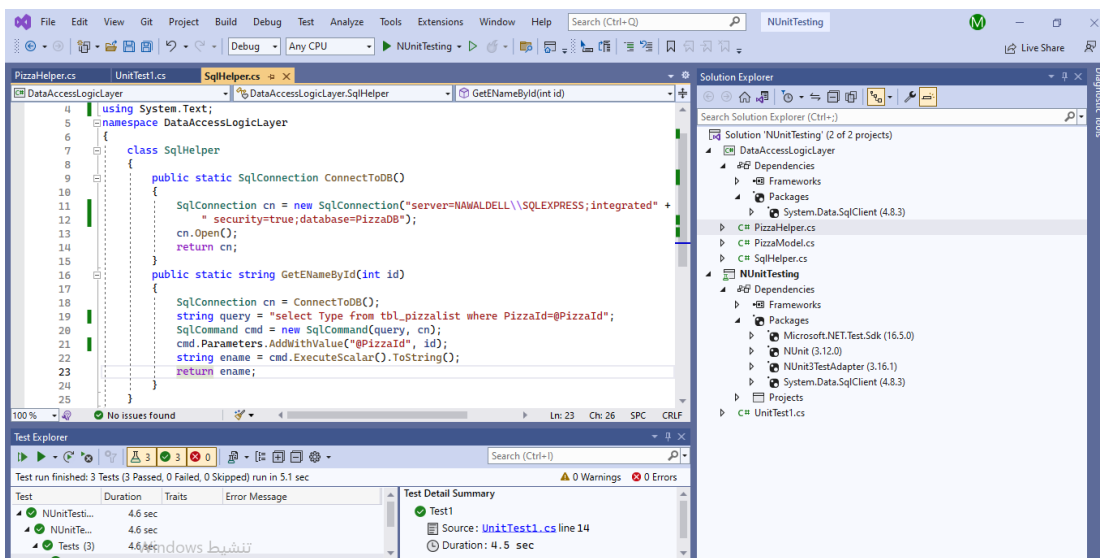
[https://github.com/bitonal/Project1\\_Course4.git](https://github.com/bitonal/Project1_Course4.git)

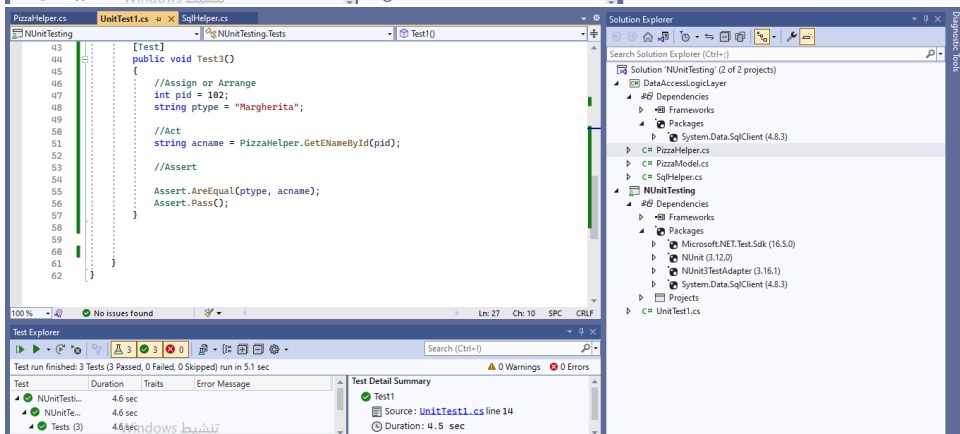
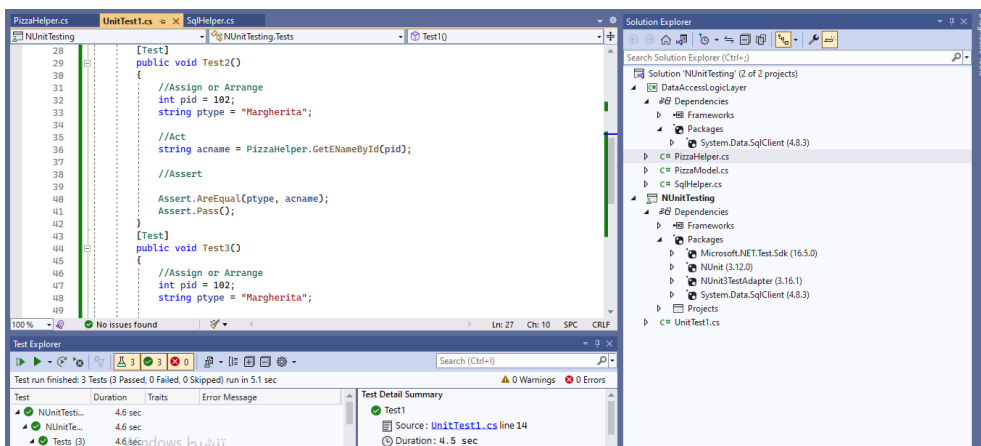
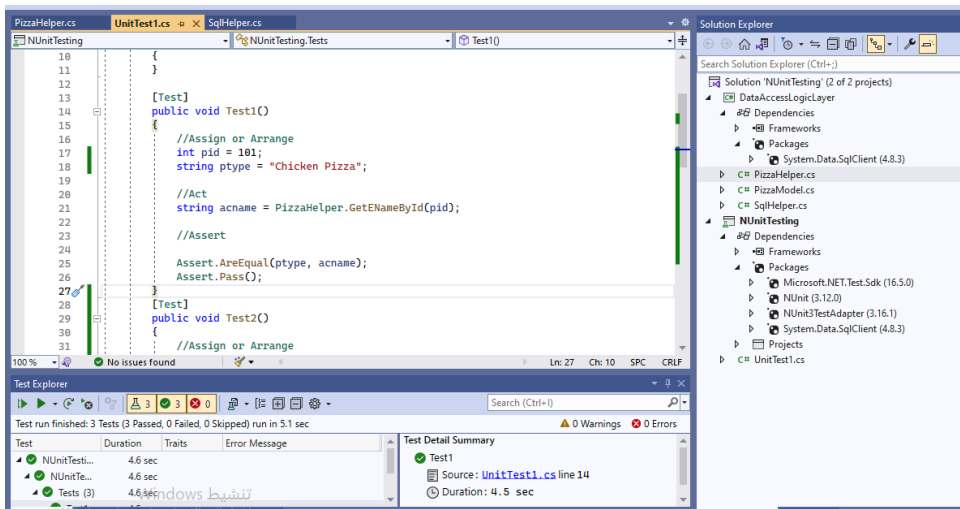
### 3. Source Code of Selenium Testing:

Packages to be installed & library classes to be created

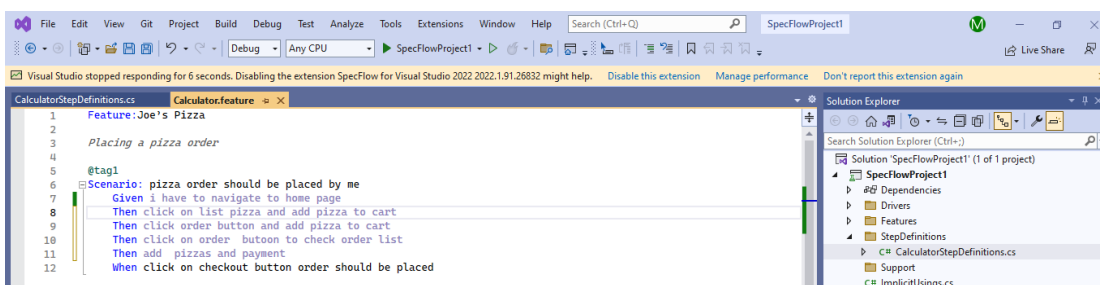


#### 4. Source Code for NUnit Testing:





## 5. Source Code of SpecFlow testing:





## 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 website:<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)