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

The Project steps

- **link to the GitHub repository:**

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

- **link project on Azure service:**

   https://pizzaproject.azurewebsites.net

The write up of this Project:

1. Created Database 'PizzaDB' and table 'tbl_pizzalist'
2. Created ASP.NET project using above database, which consist of 3 pages:
   - Pizza selection page –Index Page
   - Order checkout page – Cart Page
   - Order confirmation page – Checkout page
3. Created console application 'SeleniumTesting' to perform selenium testing on the above ASP.NET project.
4. . Created Unit Test project 'NUnitTesting' to perform NUnit testing on the above ASP.NET project and 5 test cases are created and run using test runner.
5. Created console application 'SpecflowTesting'
6. Created resource group 'ProjectRG' and created VM 'ProjectVM' in Azure.
7. Jenkins is installed and run in ProjectVM:
   - Jenkins is available in localhost:8080 and give password.
   - Username:n2_14a
   - pass:Aa1234567890 Or MonsterN123
   - email:nawalcs2019@gmail.com
8. Using Git Repository, ASP.NET project is build and run in Jenkins.
9. Created App Services in Azure and the above ASP.NET project is published and successfully deployed in Azure cloud.

The contains of documents file (Screen Shots& Source code)

- ### The document of source code 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

- ### the Screen Shout document contains :
1. Build an ASP.NET website comprising of the following three pages:
    - Pizza selection page –Index Page
    - Order checkout page – Cart Page
    - Order confirmation page – Checkout page
2. NUnit testing
3. VM in Azure: (Jenkins-get-started-vm created in Azure)
4. Jenkins
5. Deployment of ASP.NET project in Azure using app services

The website link: **The application on Azure: https://pizzaproject.azurewebsites.net**