WriteUp:

- Create a class library project (DAL)

- Create a class library project (DALTest)

- Create an SQL Server Database on Azure

- Add DAL class and write a function to validate the user (customer support executive) from the UserInfo table using entity framework

- Add one more DAL class to save complaint log information to CustLogInfo table using the entity framework

- DALTest: In this layer, test functionalities written in DAL using NUnit and Moq framework, such as UserInfo and CustLogInfo functionalities

- Create ASP.Net Web MVC application project

- Develop a login page to validate user (customer support executive) as shown in the output If the user is valid, then develop a page to add customer complaints as shown in the output Debug this application on the Docker container as shown in the output

- Create ASP.Net Web MVC application project with Docker Support

- Push the entire project over a GitHub repository using the Visual Studio Git extension

- After pushing a project to GitHub, create a job in Jenkins to build a project which has been pushed over a GitHub

- Create a FreeStyle project in Jenkins, and configure it as mentioned in the next few steps Configure Git Source Code Management, add GitHub project URL, and set branch as Main Build a Project in Jenkins

GitHub Link: https://github.com/Arav105/Phase_end_Pr-4