**QUICKKART – THE E-COMMERCE APPLICATION**

**---------------------------------------------------------------------------------------------------------**

**-: Quickkart** is an *E-Commerce Web Application*.

Users can buy products and commodities using this web app.

**Ultimate Requirement:**

This web app needs to be fully architected in Azure Cloud.

**Technology Stack:**

**Front-End:** Angular 13

**Backend**: Dotnet 3.1

**DB**: Azure SQL Server.

**Blob**: Azure Blob Container.

**TASK-2: IMPLEMENTING CONTINUOUS INTEGRATION FOR BACKEND**

**Goal**:

* Learn to build CI Pipeline in Azure Devops using YAML.

**1.** Make sure the latest Dotnet Backend codebase is Present in Azure Repos.

**2.** Have the clarity of the Dotnet Build steps.

* Packages are Restored (with the help of Nuget Tool)
* Build Happens (With the help of Build tool)
* Publish happens (With the help of Build Tool)

**3.** Create a Build Pipeline using Yaml.

**4.** The Build Pipeline should be triggered whenever there is a modification in the master branch of the repository.

**5.** Create 1 Pipeline to run on Microsoft-Hosted agent.

**6.** Create a new VM.

**7.** Create a new Agent Pool in Azure Devops.

**8.** Add this VM as an agent by installing necessary Tools like **Git, Dotnet SDK 3.1**

**9.** Create a Build Pipeline to run on **Self-Hosted Agent**.