**Pipeline Order:**

1. Clone your GitHub repo
2. Build Angular + .NET code
3. Run unit and Selenium UI tests
4. Scan code with SonarQube
5. Scan for vulnerable dependencies (npm + dotnet)
6. Deploy staging with Docker
7. Push to Azure and deploy to Azure Container App
8. Email results

**Setup:**

1. **Prerequisites on Jenkins Agent:** Make sure the Jenkins machine (agent) has:
   1. Git
   2. Docker
   3. .NET 6 SDK
   4. Node.js + Angular CLI
   5. Chrome (driver)
   6. SonarScanner CLI and dotnet-sonarscanner
   7. Azure CLI
   8. Powershell
   9. Jenkins plugins:
      1. Git Plugin
      2. Pipeline Plugin
      3. SonarQube Scanner Plugin
      4. Email Extension Plugin
      5. Azure CLI
2. **Create a New Jenkins Pipeline Job**
3. **Set Up Git Source in Jenkins:** Under the **Pipeline** section:
   1. **Definition**: Pipeline script from SCM
   2. **SCM**: Git
   3. **Repository URL**: <https://github.com/S224899095/SIT223-Task-7.3.git>
4. **Add Required Jenkins Credentials**
   1. **SonarQube token**: "Secret Text" named sonar-token
   2. **Azure Service Principal**: Username = Client ID. Password = Client Secret