**D424 – Software Engineering**

**Task 4**

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| **Capstone Proposal Project Name:** | http://www.idevnews.com/views/images/uploads/general/wgu_logo.png  Bike Shop Inventory System |
| **Student Name:** | Fabio Tran |

**Deployment Documentation**

A.  Deploy your full stack software product to a cloud service provider of your choice.

1.  Justify why you selected the cloud solution provider in prompt A to deploy your software application.

**Deployment Process Summary:**

* **Command-Line Deployment: Leveraging the Visual Studio 2022 Command-Line Interface, I used the dotnet publish command to build and publish the .NET MAUI Blazor application.**

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Description automatically generated with medium confidence**

* + **To explain the command, dotnet publish is a basic command delivered with the development environment, the parameters mean:**
  + **-f net7.0-windows10.0.19041.0 = This specifies the target framework for publishing, here it is targeting .NET 7.0 with a minimal Windows version of 10.0.19041.0**
  + **-c Release = This option specifies the build configuration, it tells the dotnet publish command to use the "Release" build configuration**
  + **-p:WindowsPackageType=None = This option is used to control how the application is packaged when published for Windows. Setting it to “None” means that the application will not be packaged into a Windows-specific package format (e.g., MSIX or APPX), we want a .exe file.**
  + **Due to upload limit, I had to commit and push the release version inside my main repository in Gitlab. The zipped standalone published app is too large to add to an individual release branch due to 100mb upload limit constraint on Gitlab website.**

**My reasoning for this deployment process is that it’s a small-scale application which can be distributed to individual users easily from the release version on Gitlab and doesn’t require a Windows Store or other methods of deployment services.**

2.  Describe how you implemented container images. If you didn’t use Container Images, provide a sound explanation of why you didn’t.

**I did not need to utilize container images.**

B.  Export your project from GitLab as a compressed file, including the scripts created to automate deployment.

*Note: You will submit the compressed file with the repository branch history file, the URL to the GitLab repository, and the URL of the deployed project on AWS for evaluation.*

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C.  Provide a Panopto video recording that includes a demonstration of your software product deployment.

[**https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=5b519a3f-17b5-4817-a1f6-b0c5015628b4**](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=5b519a3f-17b5-4817-a1f6-b0c5015628b4)