

**OVERALL DECISION:COMPETENT**

**Assessment 04 Version Control (115362)**

*Hello and welcome to the assessment. Here you’ll prove to the world just how much you know and understand about what you’ve just learnt in the learner guides. This is an important part of your time at Umuzi because once this is done, you’ll be certified! So please, take this time to learn everything you can! Take a look at some pointers below with regard to answering the questions…*

* *Be specific*
* *Write professionally - no shorthand!*
* *Your answers must be original and come from your brain and your brain only.*
* *No copy/paste tricks! Our markers have seen it all and will know if you’re taking shortcuts.*
* *Remember, sloppy or poor work will be sent back to you to do again, so do it properly the first time and you’ll be done in no time.*
* *Ask for help at any time. Ask your friends, a manager, anybody!!*
* *Don’t skip any questions! You must do them all!*
* *You’ll see two boxes after each question - one for your answer and one for the marker’s comments. DO NOT delete the marker’s comments if you are required to resubmit your work after the first attempt. Should you have to do it again you will see a new box* ***under*** *the marker’s comments, so fill that one out in* ***BLUE****. Remember!! It’s not the end of the world if you have to resubmit. You’re here to learn, so don’t beat yourself up if you don’t get it right on the first go. Obviously, try your best to get it right on the first attempt, but if not, you have another chance to do it properly!*

*Ok, and that’s that! Time to get to it! Good luck, have fun and enjoy! :)*

**Enter your name and surname below**

|  |
| --- |
| Sinethemba Zulu |

**1.** **Where should you look to locate the source files of a 3rd party library you might use?**

**Provide a link as an example [4 Marks](4 SO:1 AC:1-2)**

**Your answer below**

|  |
| --- |
| If your local project repository fails to save the file to a folder, use the link to its online site. For example https:/stackpath.bootstrapcdn.com / bootstrap/4.3.1/js / bootstrap.min.js**✓** |

**Marker’s Comments**

|  |
| --- |
| **Correct** |

**2. Describe four good naming conventions for software files [4 Marks](4 SO:1 AC:1-2)**

**Your answer below**

|  |
| --- |
| There should be no spaces in text files, since the spaces may be replaced by "%20," which can result in broken links. It's a good idea to use dashes to distinguish two words instead of spaces when naming a file. For eg, "about me."html" is better than "about-me.html." Finally, when naming files it is important to use lower cases to avoid problems like; "FileNot Find," also known as "Error 404” **✓** |

**Marker’s Comments**

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| **Correct** |

**3. Give six reasons why you should use a version control system when you are developing a project [6 Marks](6 SO:2 AC:1)**

**Your answer below**

|  |
| --- |
| The version control is essential to keep track of the changes made for each code. It enables everyone involved in a project to work simultaneously while keeping track of the changes made by each contributor to the project. Furthermore, if you have version control, you can always revert back to a certain version and easily recover deleted files, which is impossible without version control.In addition, version control lets developers prevent file conflicts when combining files. The important application of version control is to keep track of who made changes to each and every file. As it shows what a person has added when the version changes. **✓** |

**Marker’s Comments**

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| --- |
| **Correct** |

**4. If you want to include a new file in a Git repository, what two commands must you type to do that? [4 Marks](4 SO:2 AC:2-3)**

**Your answer below**

|  |
| --- |
| Git add and git commit**✓** |

**Marker’s Comments**

|  |
| --- |
| **Correct** |

**5. What is the Git command to check for any conflicts between new and old versions on your repository? [2 Marks](2 SO:2 AC:2-3)**

**Your answer below**

|  |
| --- |
| Git diff**✓** |

**Marker’s Comments**

|  |
| --- |
| **Correct** |