

Formative Assessment 13

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 **PURPLE**. 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

Mlungisi Gwala

**1. Where should you look to locate the source files for a JS library you might use?
Provide a link as an example (4 SO:1 AC:1-2)**

Your answer below

You may find source files on github for Angular or React and then you may proceed to clone these files like this: **git clone <https://github.com/angular/example>**

Marker's Comments

2. Describe good naming conventions for software files (4 SO:1 AC:1-2)

Your answer below

A good naming convention for software files is to follow the camleCase way of creating names (similar to how javascript variables are named.) Do Not make use of spaces and underscores to delimit/separate your words. Should the file contain a date within the name, have the date start with the year, followed by month and then the day.

Marker's Comments

3. Describe why you should use a version control system when you are developing a project (6 SO:2 AC:1)

Your answer below

It enables scaling on a project that includes many coders very easy because changes can be made to files and older versions can easily be recalled later on in the project should they be needed. This makes it easier for coders to work together on one thing.

Changes on the project can be seen overtime and comparisons of these changes can be made. Person who modified a file last can be seen and this can be helpful should the file have problems. You can pinpoint the person which has introduced the problem as well as when the problem might have been introduced into the project.

Should files somehow end up lost they can be easily recovered.

Marker's Comments

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

Your answer below

\$git commit // This is assuming that the git add command has already been used.

\$git push

Marker's Comments

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

Your answer below

\$git show //This is similar to the git diff command

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Marker's Comments

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