TOI-OHOMAI
Institute of Technology

COMP6001 GUI Programming

Semester 17B

Assessment 1

Due Date: August 11th 2017 @ 4pm

Submission: Git repository link pasted in Moodle

Requirements: Knowledge of Learning outcome 1

Learning Outcome One:

> Demonstrate the knowledge of Graphical User Interface programming conventions and standards.

Objective

This assessment is part 1 of 3 and builds up to an application portfolio. The idea is that you get a clear understanding of what the conventions are in your chosen module. Some have been discussed in class, but there are more.

Things to hand in:

- Report about GUI best practices, written in markdown.
- Small application where you can change the background color in your app.

Report on GUI best practises

This report is not about length in size – ie. no mimum amount of words. This report needs to show research on what good practises are relating to a GUI in your chosen subject area. For everything you find you will need to supply a reference. If there is no reference, you do no get the points.

This section is worth 40% of the mark. Each item you bring up is worth 10 points, up to a 80 (so 8 items)

Mark each point clearly using a new heading. Use correct markdown syntax. For example if you need to dislpay code, type it in a code block.

The last 20 points are dedicated to peer review. The points you write up in your report should be tested by someone who is **NOT DOING** your module.

This person, will need to add their comments and name your your report.

Small Application changing background colour

This application simply requires you to create an interface that allows a user to change the background colour of a background.

You are able to use any GUI elements that are specifically right for your application.

This module is worth 60% of the final mark.

You will be marked on the following:

- Apply the principles that you did your research on. (40%)
- Allow input from the user to adjust each of the 3 colours and click / tap a button that confirms the selection and then changes the colour. (20%)
- A reset button that makes the background color white (20%)
- Instructions for the user to show them how to use the application (20%)

Marking Schedule

PART 1:

- 80% – 8 points for each item you list – maximum of 80 (10 items)
- 20% – made up of points for the peer review section

PART 2:

- 40% – Applying the points of your research in your application
- 20% – Input from the user to change the background color
- 20% – Allow for the user to reset the app back to default setting (White background)
- 20% – In app Instructions for user to use the application

Everything should be submitted in a single repository and only the link to the repo should appear on the moodle submission

Any other messages will cause you to loose points, if you need to explain something use slack to DM me or Jacob (if you are in the VR team)