

CSC 502 MIDTERM STUDY GUIDE

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Be prepared to be tested on the concepts on the study guide for the first quiz. In addition, be prepared for the following:

GUI programming in general: User interface components, event handlers and event listeners.

GUI programming with JavaFX: the notions of a stage, scene graph, scene graph nodes, the event handler interface for `ActionEvent`.

The inheritance hierarchy involving the classes `Node`, `Parent`, `Region`, `Pane`, `Control`, `Labeled`, `Label`, `TextInputControl`, `TextField`, `TextArea`.

You need to know and be able to explain the purpose of each of the above classes with the exception of `Region`.

Inner classes, local inner classes, anonymous inner classes, and lambda expressions.

You should know about *final* variables, and *effectively final* variables.

Know how to use `HBox` and `VBox` panes.

Know how use radio buttons and check boxes in a program.

Know the difference between list collections and set collections.

Know what an iterator is and how to use one.