

CMSC435 Software Engineering

Quiz 10

Name:

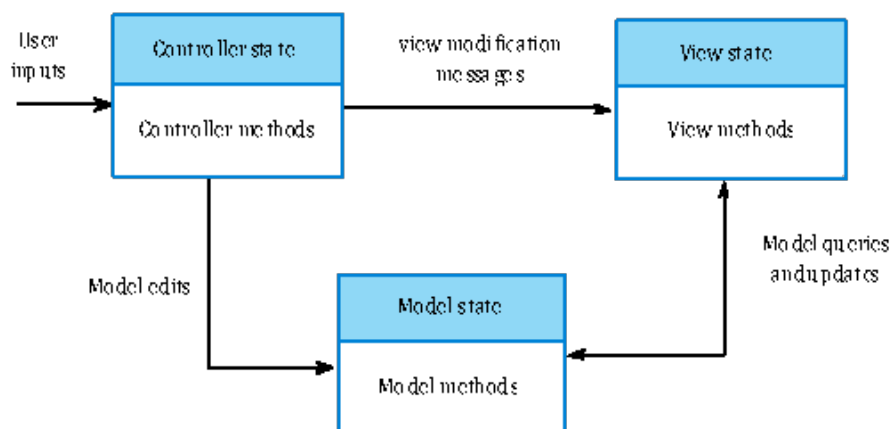
Differentiate between Command Language-based interface and Menu-based interface. Mention at least 3 differences. (5 points)

Menu based interfaces are used in situation where the user tends not to know what the options/commands are that are available. Command based interface is one where the user types a series of commands which tell the computer what their intentions are.

Command based interface is very much open than the menu based interface. Menu based restricts the options that the user has user has available to them.

Command based interfaces can only be used by experts because you have to understand the commands and their uses. The user will expect to select options by use of menus of choices.

Draw and explain Model-View-Controller (MVC) framework for GUI design. (5 points)



A Model represents the underlying, logical structure of data in a software application and the high-level class associated with it. This object model does not contain any information about the user interface.

A *View* is a collection of classes representing the elements in the user interface.

A *Controller* represents the classes connecting the model and the view, and is used to communicate between classes in the model and view.