

1. Graphical user interface
2. Code from GUI's is selectively executed based on events or inputs the application receives from a user, rather than forcing a user to follow a certain step of instructions/procedure in order to use their desired function.
3. Yes, componentes such as Jpanels, Jcomboxs, etc, can be added to a frame.
4. Yes, labels can respond to events. Events involving the keyboard and mouse, such as hovering over the label or clicking on it can change it or show popups.
5. It's essential for GUI's to be run from an event-dispatching thread because it allows the user to "cut the line" and directly access the function of the application rather than always having to go through a series of unnecessary outputs.
6. A button is used to initiate a gathering or processing of information while a label is used to display information.