Question: What are the differences between Swing and AWT implementation?

- 1, Top-Level Containers:
- -AWT: + The primary top-level container used in AWT is Frame. It represents a standard window with title, border, and buttons.
 - + AWT top-level containers are heavyweight and depend on the native windowing system.
- -Swing: + The primary top-level containers used in AWT are JFrame, JWindow, JDialog abd JApplet Swing top-level containers are lightweight and more flexible.
 - + They provide pluggable look-and-feel (PLAF) and more control over component rendering.
- 2, Component Class Names:
- -AWT: Component names are often generic, like Button, TextField, and Checkbox.
- -Swing: Swing components have a more descriptive naming convention, like JButton, JTextField, and JCheckBox. This improves the code readability and maintainability.
- 3, Event Handling:
- -AWT: Relies on a single listener interface (EventListener) for all events. This can lead to cluttered code.
- -Swing: Uses a more specific event model with dedicated listener interfaces for different events For example, ActionListener for button clicks, MouseListener for mouse interactions.
 - =>This improves code organization and clarity.
- 4, Appearance:
- -AWT: The appearance of AWT components is determined by the native GUI toolkit of the platform they run on.
 - =>This means that AWT applications look different on different operating systems.
- -Swing: Swing supports pluggable look-and-feel, which means you can change the appearance of your application to mimic different operating systems