Quiz 12: Widgets, Elements, build()

- 1. What's the job of the widget tree?
 - a. Manage state of stateful widgets.
 - b. Render content onto the screen.
 - c. Provide configuration for element and render tree.
- 2. What's the job of the element tree?
 - a. Render content onto the screen.
 - b. Connect widget and render tree, manage state, update render tree when widget tree changes.
 - c. Configure and style content on the screen.
- 3. What is correct about build()?
 - a. build() runs very often and re-builds the widget tree (or parts of it).
 - b. build() runs very often and rebuilds the entire UI.
 - c. Flutter checks if it needs to execute build() before running it.
- 4. What's NOT a viable option for reducing the amount of widgets (including built-in widgets) affected by build()?
 - a. Splitting the app into multiple (small) custom widgets.
 - b. Using const constructors and widgets.
 - c. Using only a single/ a few widgets in the whole app.

Quiz 13: Keys, Lists, Stateful Widgets

- 1. Why do you (rarely) need keys?
 - a. To help Flutter link elements (element tree) and widgets (widget tree) correctly.
 - b. To help Flutter link elements (element tree) and render objects (render tree) correctly.
 - c. To help Flutter manage list items required in all lists you use in your app.
- 2. How does Flutter match widgets and elements if you DON'T use keys.
 - a. There is no matching without keys.
 - b. By the content of the widget.
 - c. By the type of the widget.
- 3. Why do keys only matter if you're working with stateful widgets in a list?
 - a. Because state objects are attached to the element, not the widget.
 - b. Because state objects are harder to match for Flutter.
 - c. Because state objects are replaced regularly.