

Q74: reflection on stack: Why stack helps for undo in form submissions?

A **stack** helps for undo in form submissions because it works with Last In, First Out (LIFO). The most recent action is stored on top of the stack. When the user clicks Undo, the last action is removed (popped) and reversed.

Example: If in Irembo you fill FormA, then Form B, then Form C, the stack = [FormA, FormB, FormC]. If you press Undo, the system removes FormC first, leaving [FormA, Form B]. This shows why stacks are perfect for undo operations.

Challenge on stack: Queue vs stack for hospital check-in. Which works?

Queue works best because patients should be served in the order they arrive (FIFO = First In, First Out).

Stack would be unfair, since the last patient would be served first

Reflection on queue: Why FIFO builds trust in hospitals?

FIFO builds trust in hospitals because it ensures fairness. The first patient to arrive is the first to be served, so no one feels ignored or cheated. This orderly system reduces conflict and increases confidence in the service.