

# Stocking App Robustness Diagram

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**BASIC COURSE:**  
The system displays the Stocking activity. The stocker clicks the Restocking button or the Receiving button. If the stocker clicks the Restocking button, the system displays the Restocking activity that lists Products missing from Shelves. The stocker clicks a Product and the system displays its Product Stock activity. The stocker enters the quantity of the Product they move from Bulk Stock to Shelf Stock and clicks the Move button. The system subtracts the entered number from the Product's Bulk Stock and adds to its Shelf Stock. The system displays the Restocking activity and removes the Product from the list. If the stocker clicks the Receiving button, the system displays the Receiving activity that lists newly-arriving Products. The stocker clicks the Pick Up button. For each Product, the system adds the new quantity to the Product's Bulk Stock. The system then displays the Receiving activity and removes the Product(s) from the list. The stocker clicks the Back Arrow button and the system displays the Stocking activity.

ALTERNATE COURSES:  
Stocker not logged in: The system  
invokes the Login use case.

Stocker enters quantity greater than bulk stock: The system displays a toast that states “Insufficient stock: enter a quantity less than bulk stock.” and displays the **Product Stock** activity.

Stocker enters quantity less than zero: The system displays a toast that states “Insufficient stock: enter a quantity greater than zero.” and displays the Product Stock activity.

New Product has no entry in Cloud Database: The system saves the Product to the Cloud Database and initializes Shelf Stock to zero and Bulk Stock to the new quantity.

