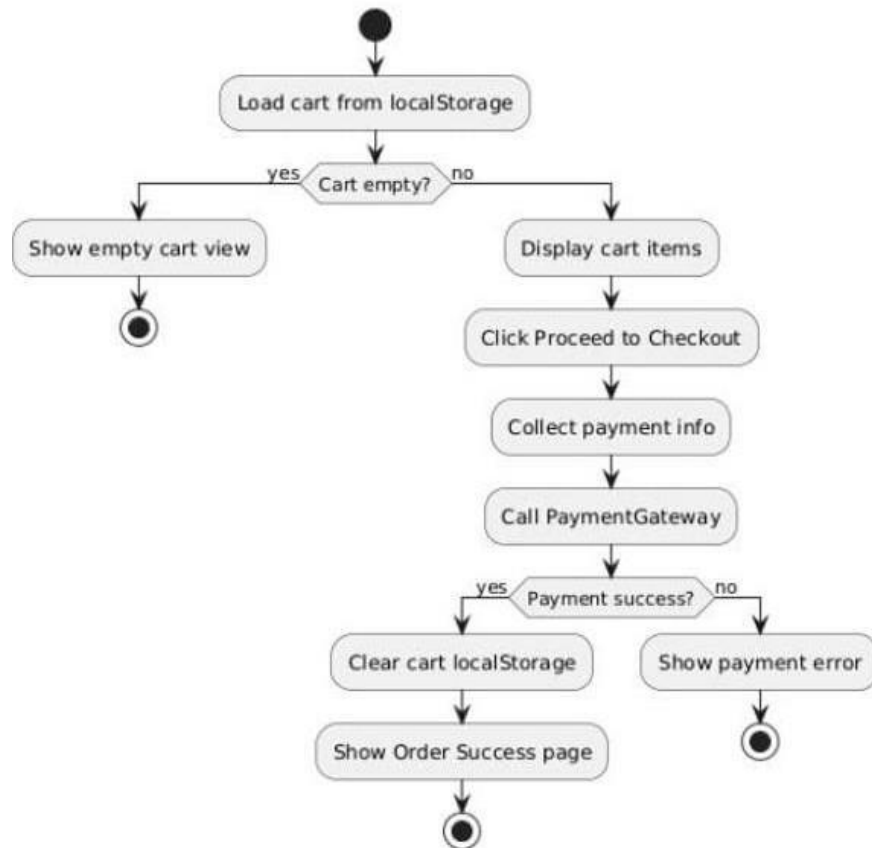## ACTIVITY DIAGRAM

ACTIVITY DIAGRAM DESCRIPTION

The Activity Diagram describes the workflow involved in adding products to the cart. The process begins when the system displays available items to the user, after which they choose a product to add. The system checks if the selected item already exists in the cart. If it exists, the quantity is incremented; otherwise, a new item entry is created. The updated cart is then saved to local storage, and the system reflects the new cart count to the user. This diagram conveys the flow of decision making and the continuous movement of activities until the operation completes successfully.