@startuml

actor Customer

boundary ProductScreen

boundary ProductDetailScreen

control ProductControl

entity PRODUCT

entity CARTITEM

Customer-> ProductScreen++: click a product item on "List Product"

deactivate ProductScreen

ProductScreen-> ProductControl ++: Process load "Product Detail" Screen

deactivate ProductControl

ProductControl -> PRODUCT++: Get product information

deactivate PRODUCT

PRODUCT--> ProductControl ++: Send product information

deactivate ProductControl

ProductControl --> ProductDetailScreen++: Send product information

deactivate ProductDetailScreen

ProductDetailScreen-> ProductDetailScreen++: Load "Product Detail" Screen

deactivate ProductDetailScreen

Customer-> ProductDetailScreen++ : Click button "Thêm vào giỏ hàng"

deactivate ProductDetailScreen

ProductDetailScreen-> ProductDetailScreen++: Load "Adding in Cart" bottom sheet

deactivate ProductDetailScreen

Customer-> ProductDetailScreen++: Giving input

deactivate ProductDetailScreen

Customer-> ProductDetailScreen++: Click "Thêm vào giỏ hàng"

deactivate ProductDetailScreen

ProductDetailScreen-> ProductDetailScreen++: Validate

deactivate ProductDetailScreen

alt Fail

ProductDetailScreen-> ProductDetailScreen++: Show error notification

deactivate ProductDetailScreen

end

alt Achieve

ProductDetailScreen-> ProductControl ++: Process add product

deactivate ProductControl

ProductControl -> CARTITEM++:Process add product

deactivate CARTITEM

CARTITEM-> CARTITEM++: Store data

deactivate CARTITEM

CARTITEM--> ProductControl ++: Successful notification

deactivate ProductControl

ProductControl --> ProductDetailScreen++: Thông báo add thành công và reload UI

deactivate ProductDetailScreen

end

@enduml