SYSTEM FOR RECORDING STOCK
INDIVIDUAL ASSIGNMENT

COMP40003

Software Development and Application Modelling-2

CF2321COM

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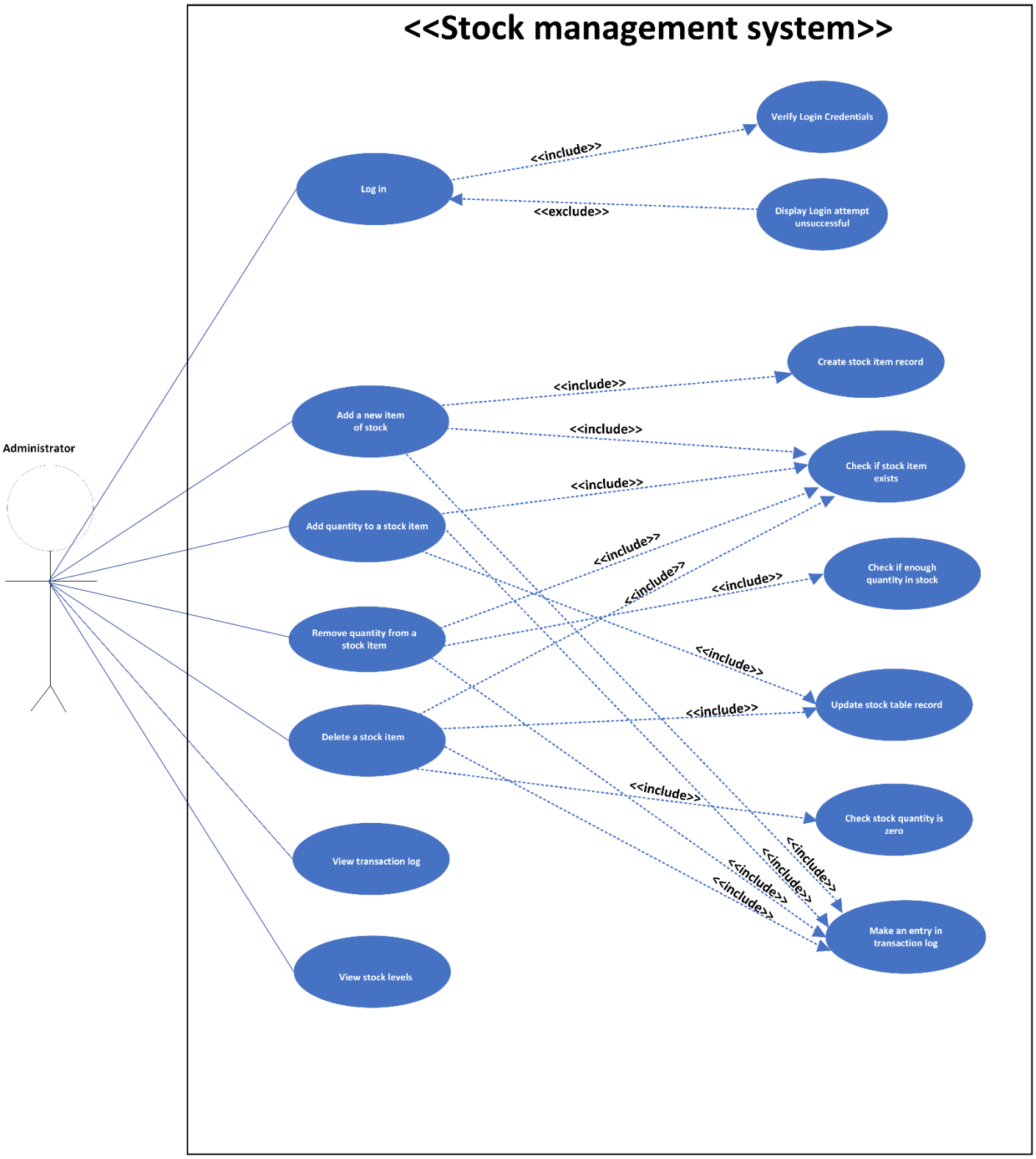
Test Plan Table

Test Case #	Test Case Description	Test Data	Expected Result	Actual Result	Pass/Fail
1	Ensure that decimal values for stock quantity are not accepted	**Stock code:** NRF **Stock quantity:** 0.5	The system should reject decimal quantities	"Please input valid integer for Stock Quantity "	Pass
2	Verify response when entering 0 for stock quantity	**Stock code**: DBY04, **Stock name:** glasses **Stock quantity:** 0	The system should reject a quantity of zero	"Quantity must be a positive number"	Pass
3	Verify response when the stock name field is left empty.	**Stock code:** BNV3, **Stock name:** [Empty] **Stock quantity:** 6	The system should request a valid stock name	"Stock name cannot be empty."	Pass
4	Confirm proper handling of text input in the stock quantity field	**Stock code:** DBY04, **Stock name:** glasses **Stock quantity:** gfg	The system should request a valid integer input	"Please input valid integer for Stock Quantity "	Pass
5	Confirm that a new stock item can be added to the database	**Stock code:** XYZ01, **Stock name:** bottle, **Stock quantity:** 5	The item should be added to the database	"item successfully added"	Pass
6	Ensure that adding a stock item with an existing code is prevented	**Stock code:** XYZ01, **Stock name:** bottle, **Stock quantity:** 10	The system should reject the addition	"A stock item with same stock code or name already exists"	Pass
7	Verify response when adding a different stock name to an existing code	**Stock code:** XYZ01, **Stock name:** crayons **Stock quantity**: 2	The system should reject the use of same stock code to store a stock item with a different name	"error:Duplicate entry 'XYZ01' "	Pass
8	Confirm that the system prevents stock/quantity from being added when stock code field is empty	**Stock code:** [Empty] **Stock name:** butter, **Stock quantity:** 6	The system should request a valid stock code	"Stock code cannot be empty"	Pass

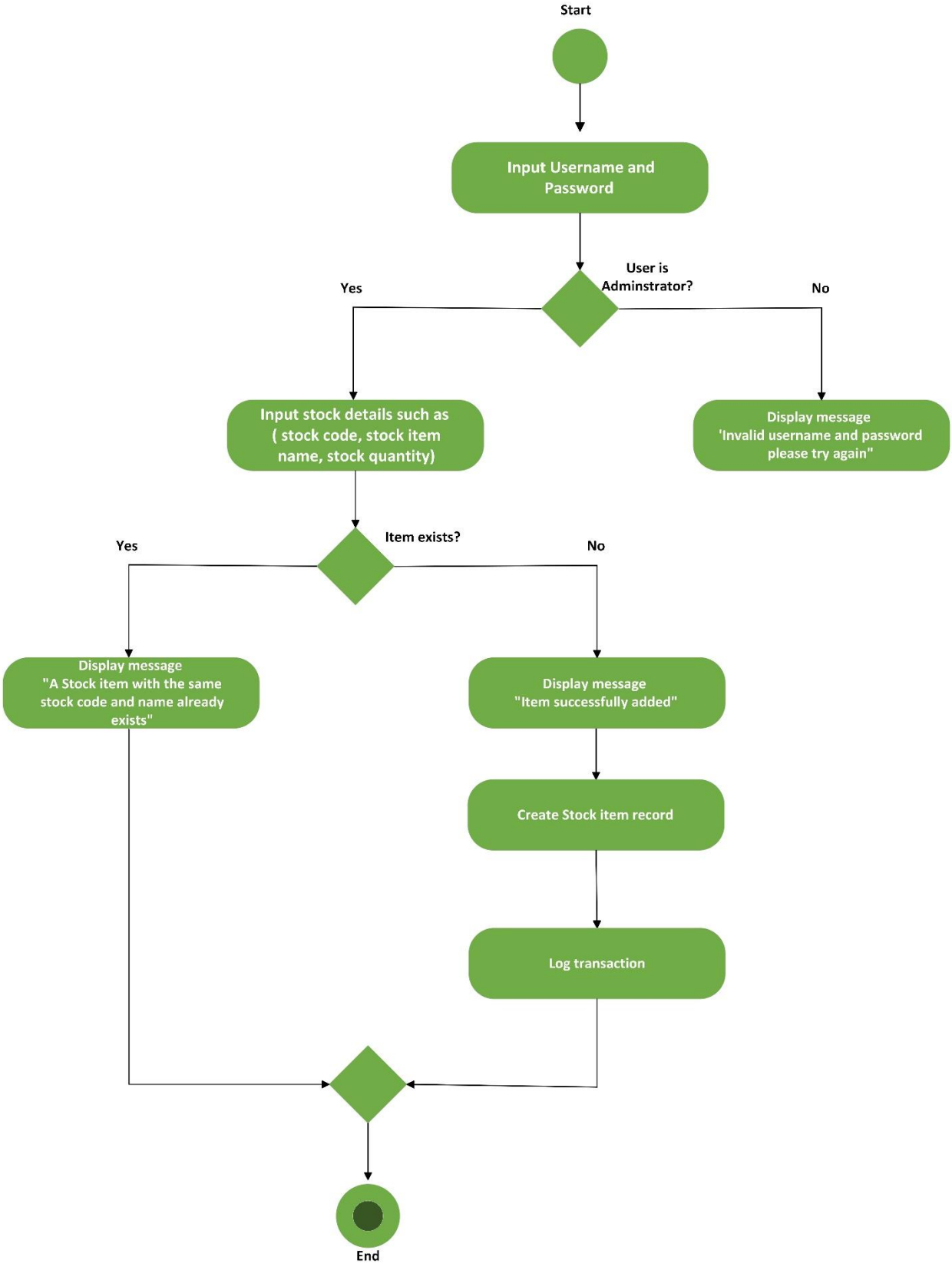
9	Verify response when adding quantity to a non-existent stock item	**Stock code**: AX20 **Stock quantity:** 10	The system should notify that the item does not exist	No data is inserted in to the database	Pass
10	Confirm that quantity can be added to an existing stock item	**Stock code:** XYZ01 **Stock quantity:** 4	The quantity should be added to the existing item	"Quantity successfully added"	Pass
11	Validate successful login with valid username and password	**Username:** admin **Password:** nimsha123	User should be granted access to the system	Logged in successfully	Pass

Diagrams

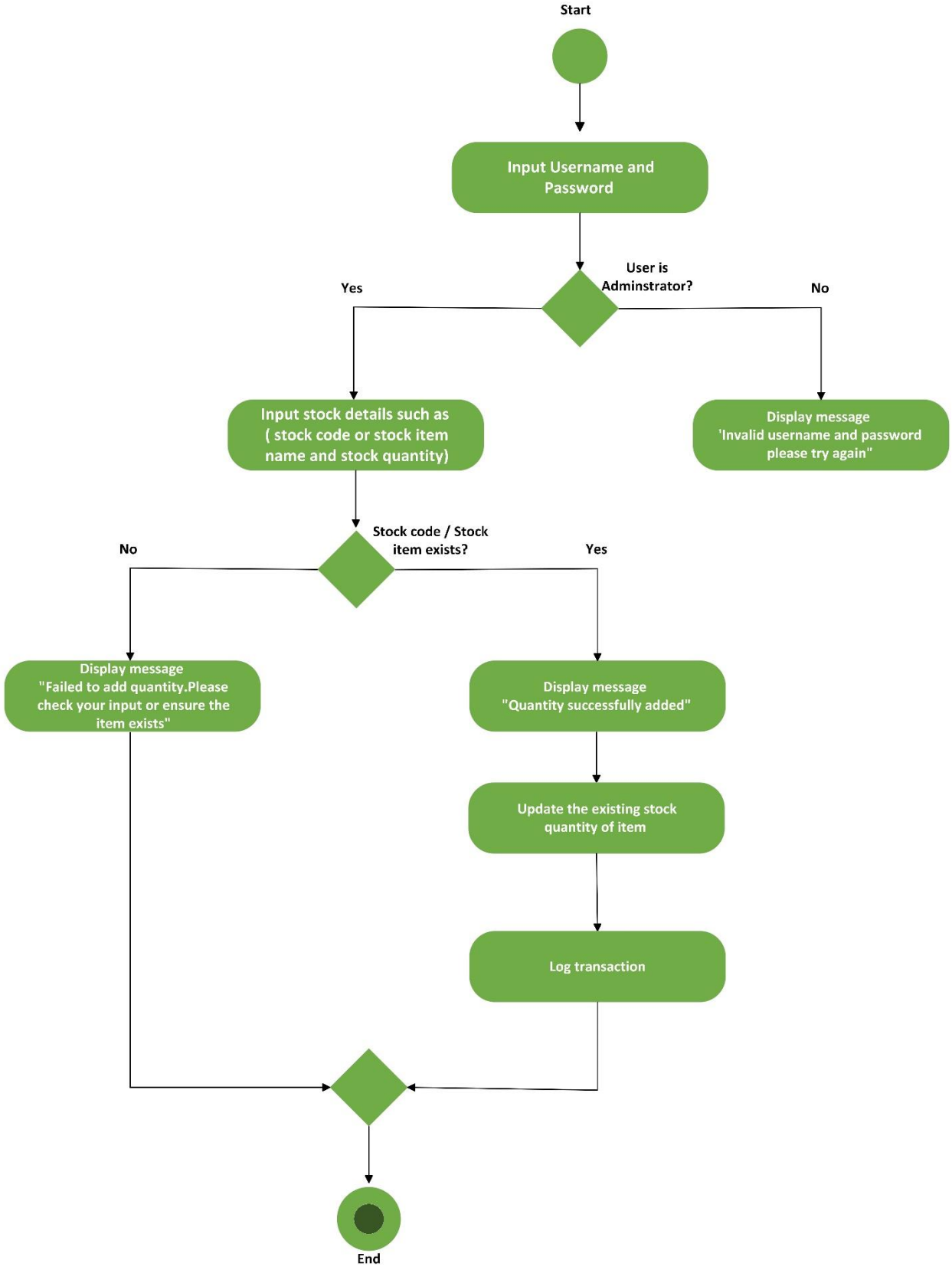
Use case diagram for the entire application:



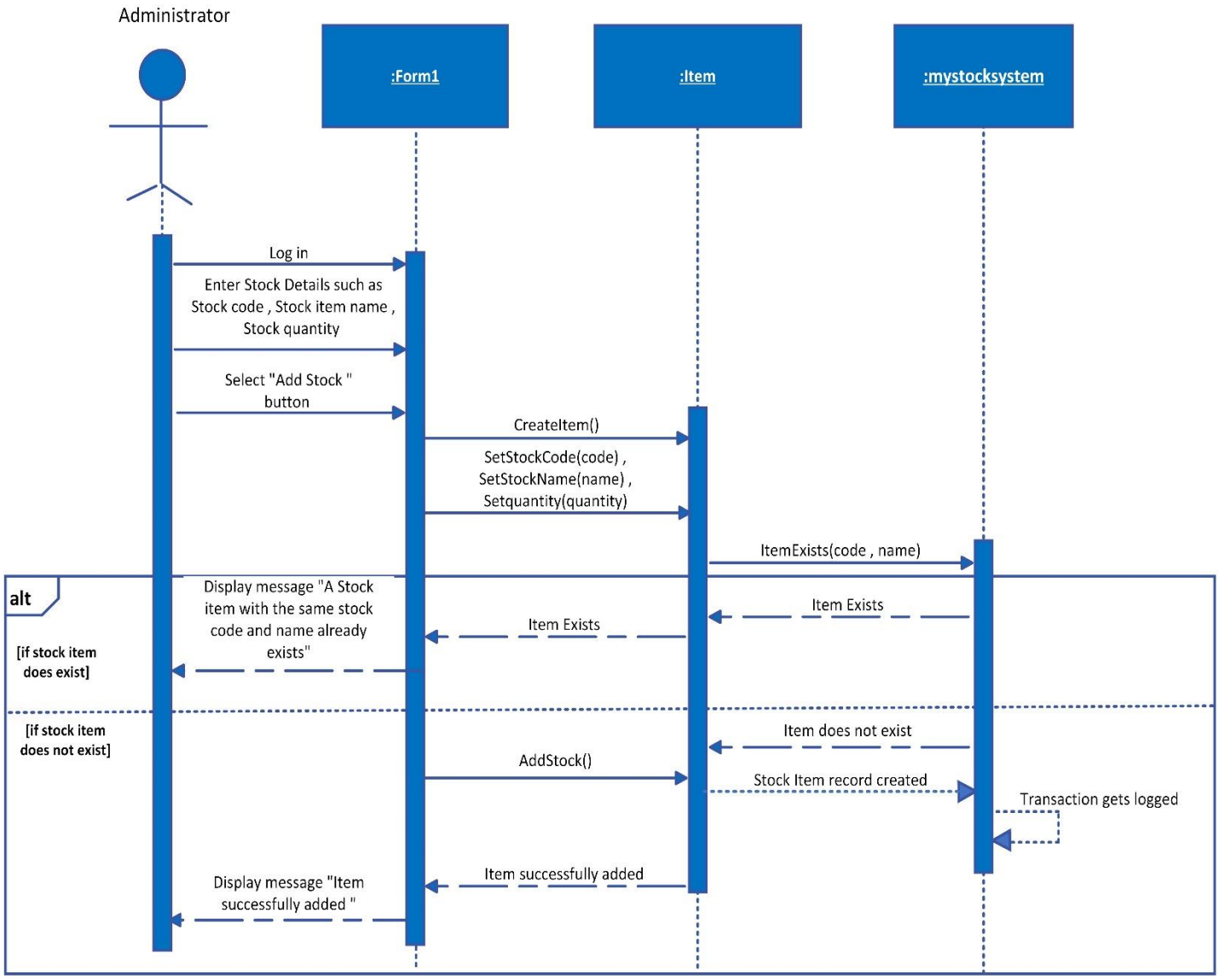
Activity diagram for use case 1: Add new item of stock



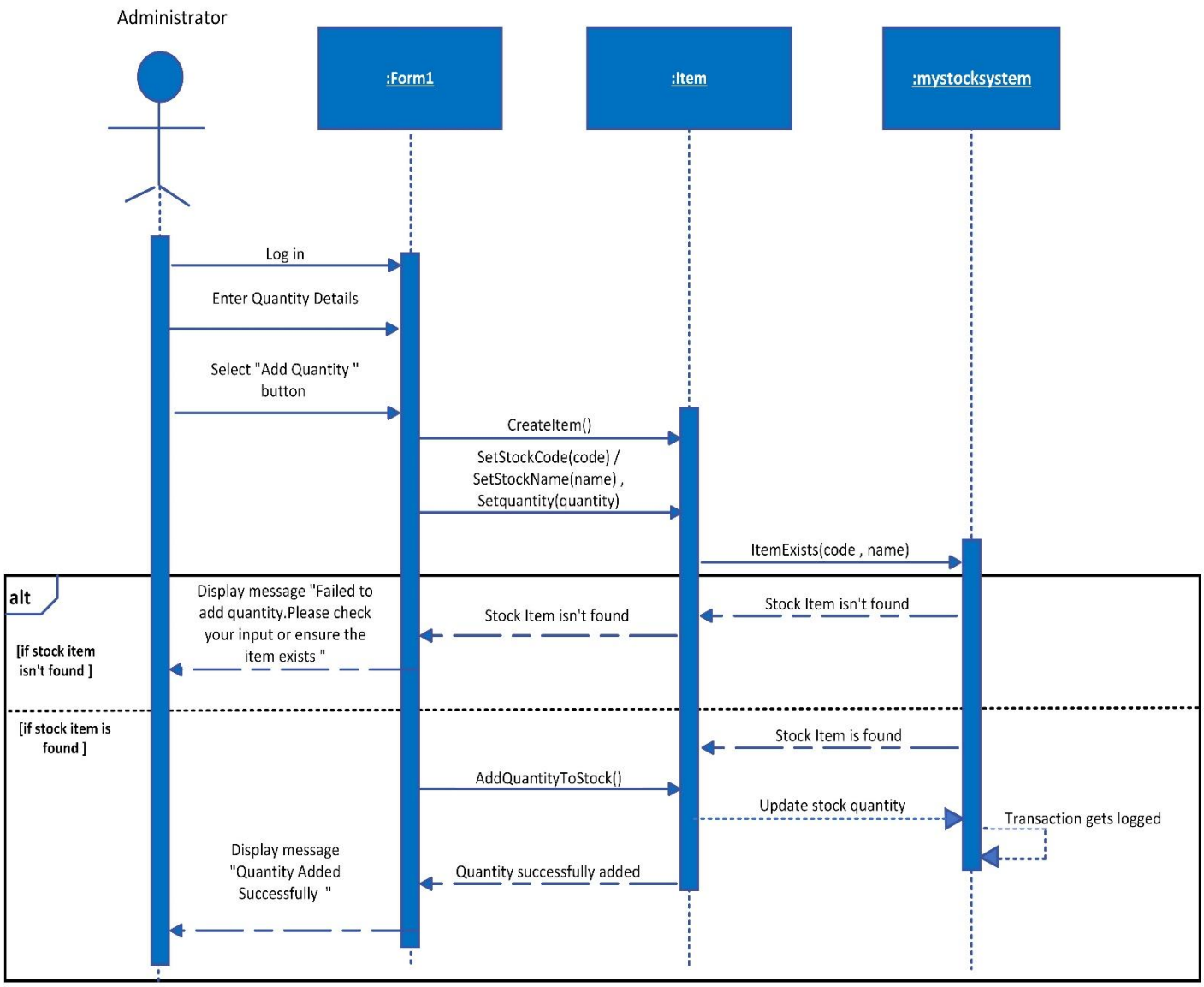
Activity diagram for use case 2: Add quantity to a stock item



Sequence diagram for use case 1: Add new item of stock



Sequence diagram for use case 2: Add quantity to a stock item



UML class diagram for use case 1 and 2