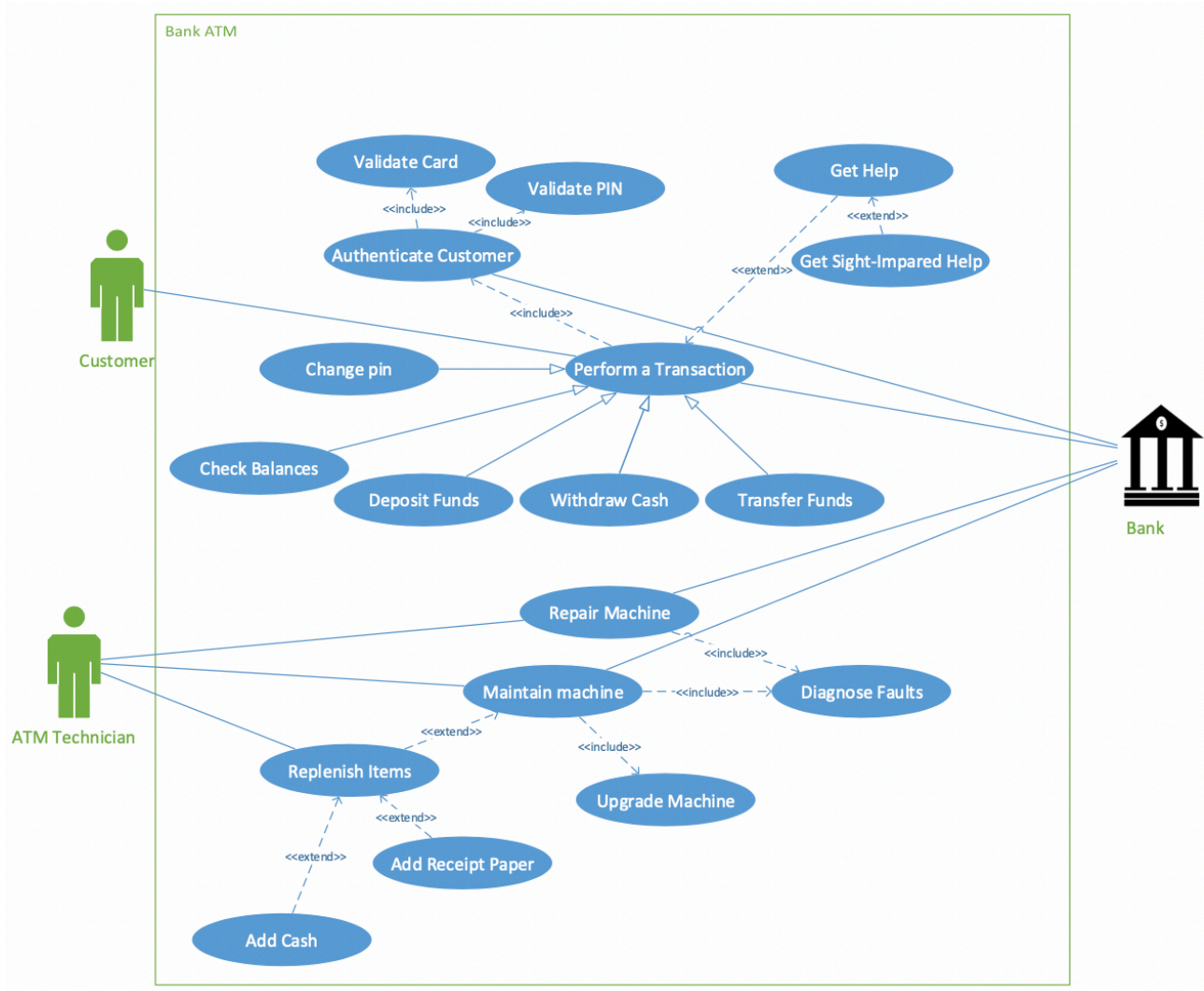


## Activity 09: Use Case Evaluation

### Scenario 1: ATM Machine

Your scenario is that of an ATM (Automated Teller Machine). While some sample requirements for an ATM are mentioned in the lecture and textbook, these are not comprehensive. Your scenario must allow for the customer to check their balance and withdraw funds, as well as allowing a technician to maintain the machine (i.e. stock it with money and receipt paper). Additional requirements, both functional and non-functional are yours to determine.

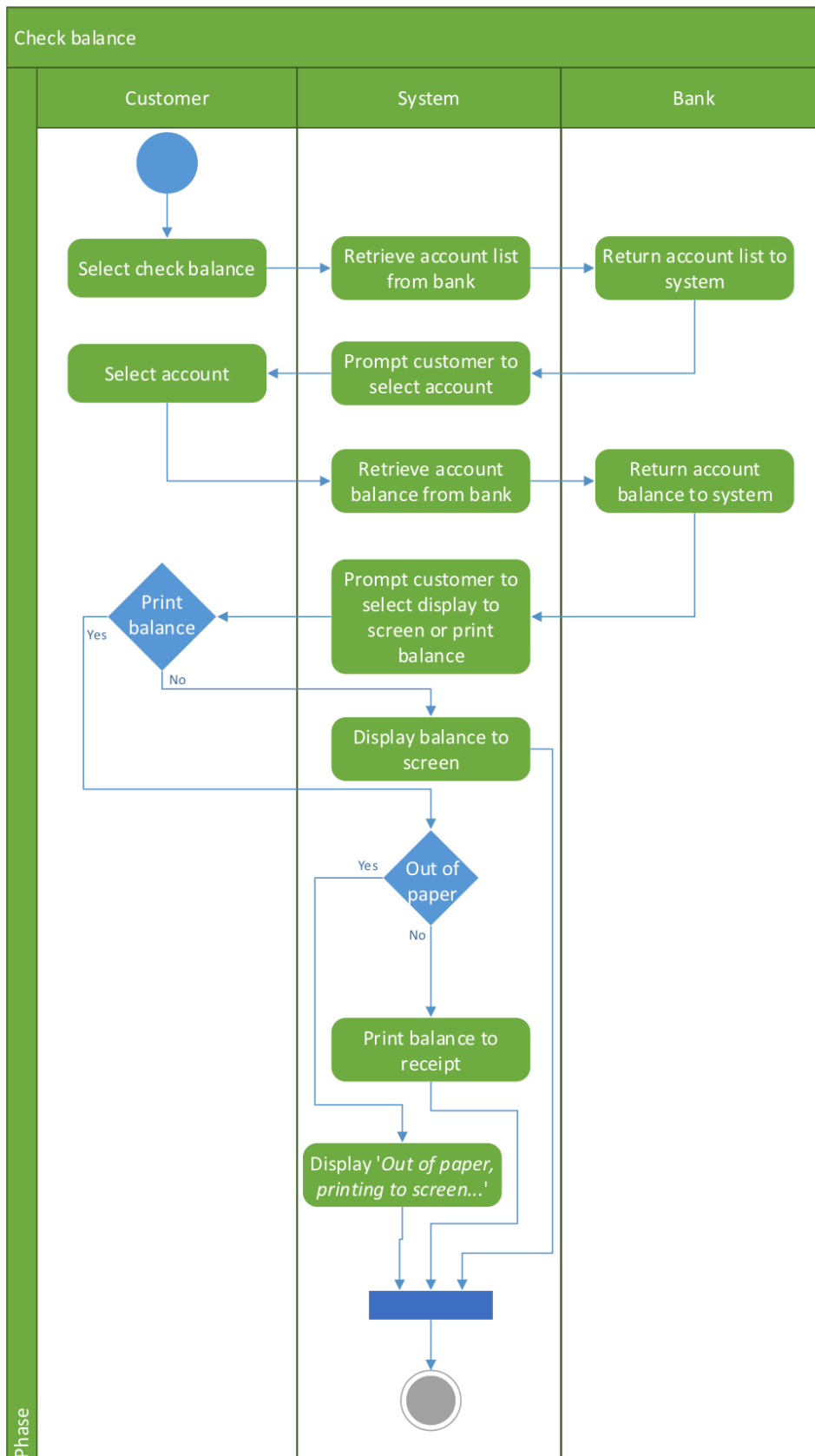


1. Construct a fully developed use case description for the *Check balance* use case.
2. Draw an activity diagram for the above use case.
3. Draw a system sequence diagram for the above use case.

## Use Case Description: Check balance

<b>Use case name:</b>	Check balance	
<b>Scenario:</b>	Customer views balance of their account.	
<b>Triggering event:</b>	Customer wants to see their account balance.	
<b>Brief description:</b>	Customer is authenticated and has their account balance displayed on the teller machine screen or printed to a receipt.	
<b>Actors:</b>	Customer, Bank	
<b>Related use cases:</b>	Customer may want to <i>Withdraw cash</i>	
<b>Stakeholders:</b>	Customer, Bank	
<b>Pre-condition(s):</b>	The customer has produced their card and entered their PIN.	
<b>Post-condition(s):</b>	The customer has viewed their account balance and may proceed with further services.	
<b>Flow of activities:</b>	<b>Actor</b>	<b>System</b>
	1. Customer selects 'Check balance'	1.1 The system retrieves listed accounts from the bank and prompts the customer to select an account
	2. The customer selects which account to view	2.1 The system retrieves the account balance from the bank and prompts the user to select whether to have balance displayed or printed
	3. The customer selects one of the options	3.1 The system displays the customer account balance on the teller machine screen or prints a balance receipt
		3.2 The system prompts the customer to select another service or finalise transaction
	4. The customer selects another service or finalises transaction	
<b>Exception condition(s):</b>	3.1 The customer selects to have balance printed and the machine is out of receipt paper	

# Activity Diagram: Check balance



# System Sequence Diagram: Check balance

