

Old Dominion University

IT 363 System Analysis and Design

Assignment 6

Professor Lan Cao

Brian Delos Santos

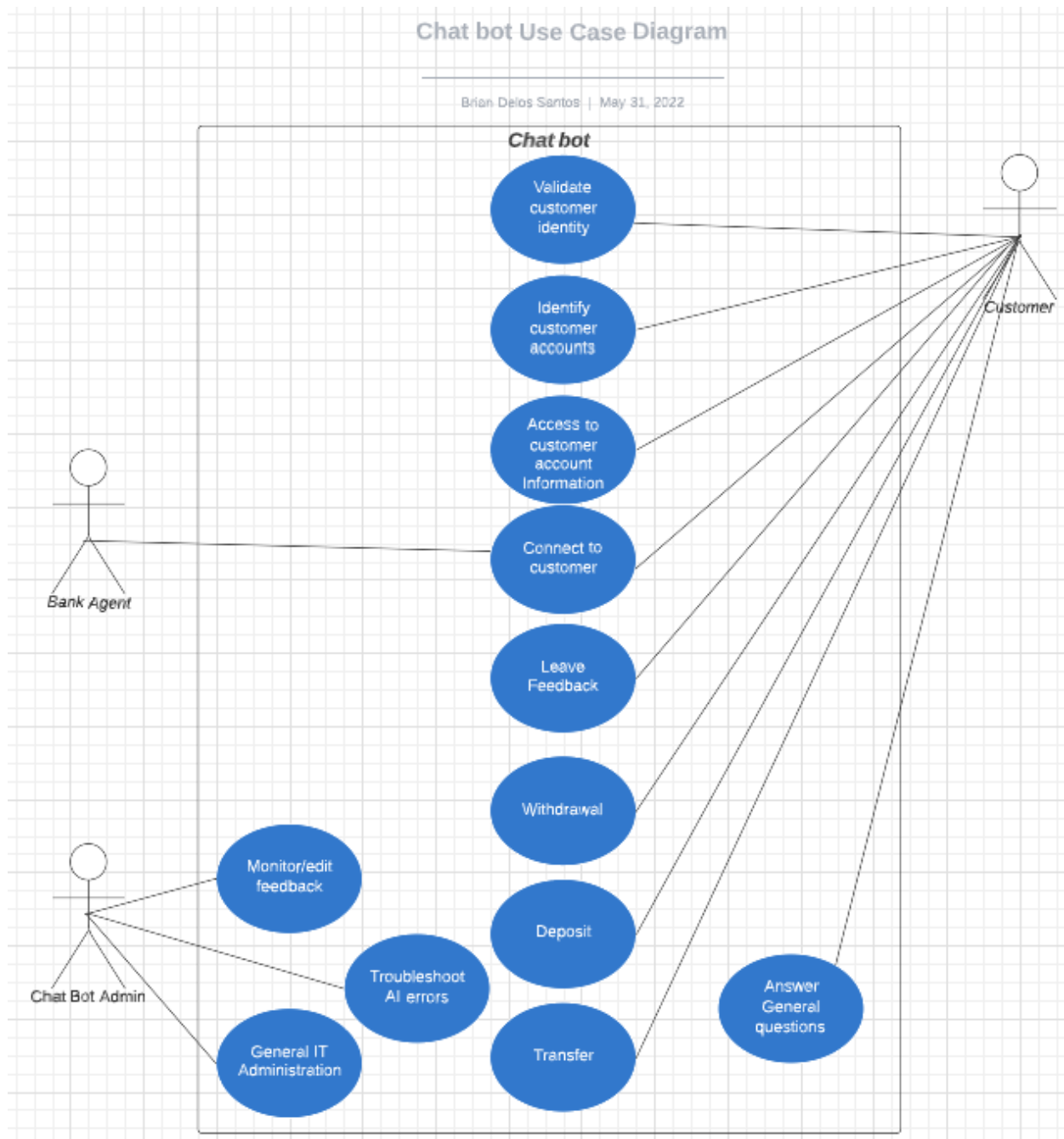
UIN: 01180618

06/20/22

Assignment 6 Final Deliverable

Use-Case Diagram.....	3
Use-Case Narrative.....	4
Activity Diagram.....	5
Class Diagram.....	6
Sequence Diagram.....	7
State-Machine Diagram.....	8

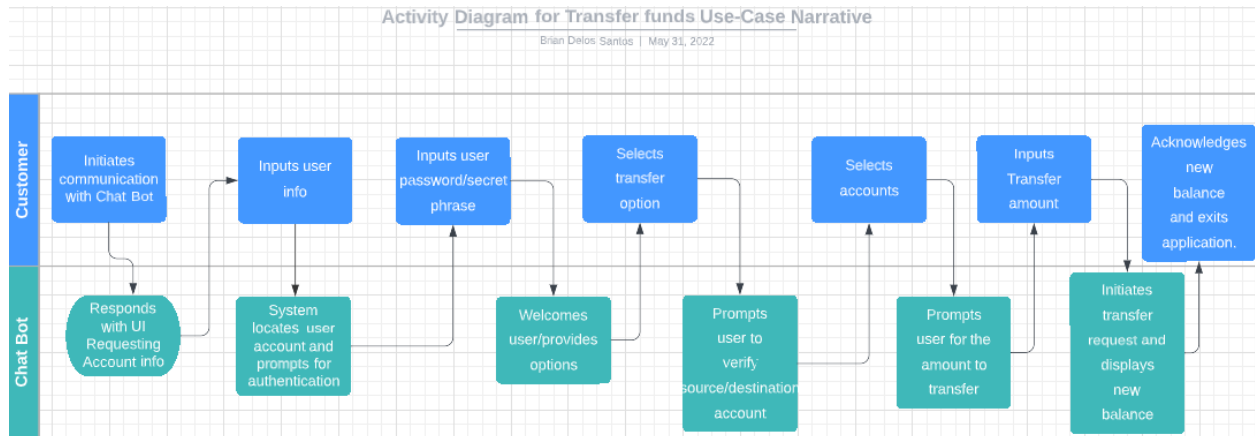
Use-Case Diagram for Chat Bot:



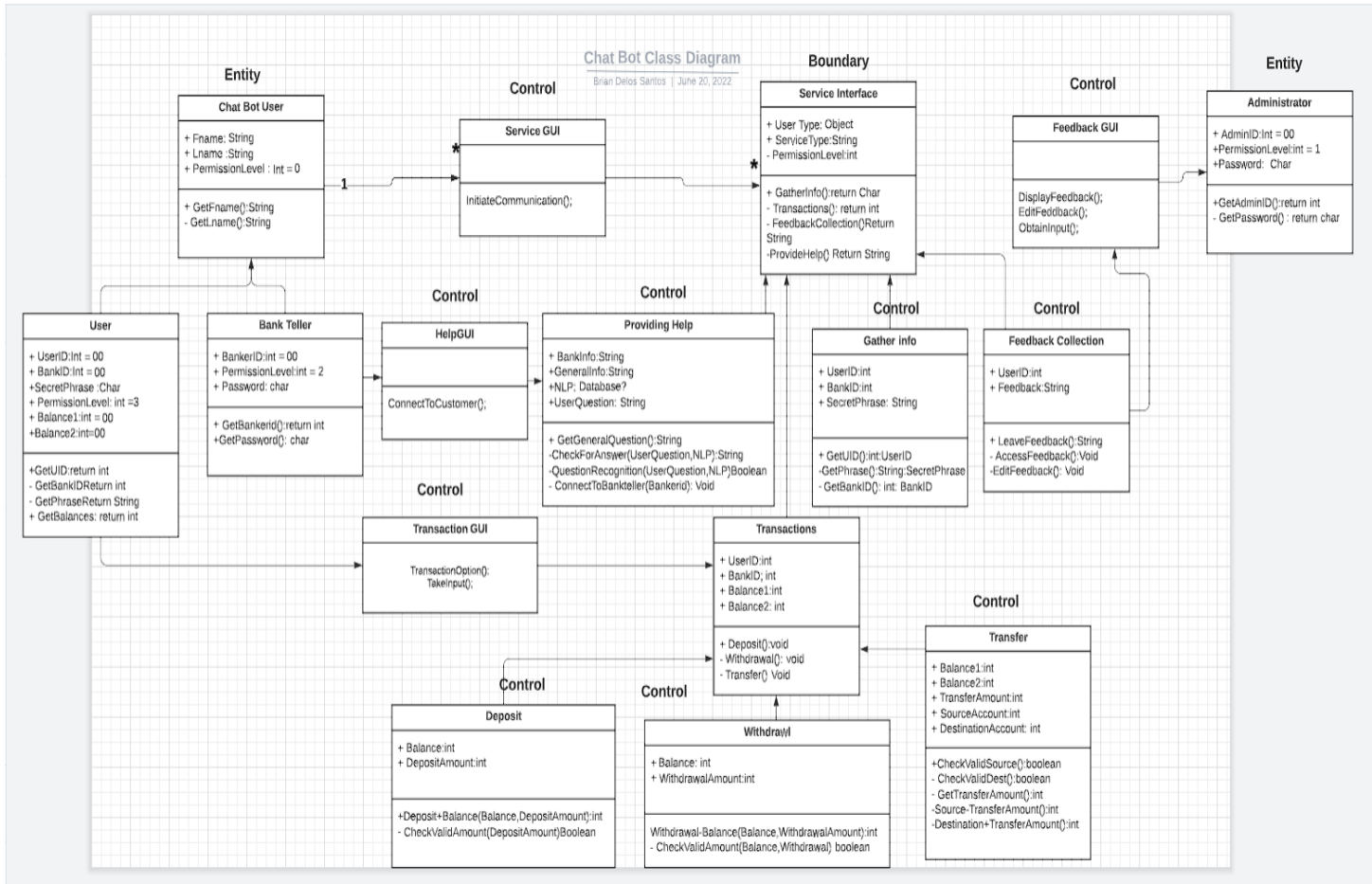
Use-Case Narrative for Chat Bot Transfer Function:

Chat-Bot Use Case Narrative		
Use Case Name:	Money Transfer between accounts	
Actor:	Chat Bot User/Customer	
Description:	This use case describes the event of a Chat Bot user who wants to transfer funds from one personal account to another.	
Precondition(s):	<p>The customer attempting to make a withdrawal must have a bank account with Wells Fargo and knowledge of their account details.</p> <p>To verify user identity and account, the customer must be able to provide account details with the secret phrase agreed upon when the customer account was created.</p>	
Typical Course of Events:	<p>Actor Action:</p> <p>Step 1: Customer initiates communication with Chat Bot.</p> <p>Step 3: The customer types in their username associated with the bank account they want to access.</p> <p>Step 5: The customer types in their password and secret phrase associated with their account.</p> <p>Step 7: The customer selects Transfer.</p> <p>Step 9: The customer selects the account to transfer from and the account to transfer to.</p> <p>Step 11: The customer enters the transfer amount.</p> <p>Step 13: The customer acknowledges the amount shown in the chat interface to be correct and exits the application.</p>	<p>System Response:</p> <p>Step 2: Chat bot responds with a chat interface requesting user's identity.</p> <p>Step 4: The system locates the username's bank information and prompts the user for authentication that the user is who they are claiming to be.</p> <p>Step 6: Chat bot welcomes the user and provides options: Withdrawal, Deposit, Transfer, Help, Leave Feedback, or connect to live representative.</p> <p>Step 8: The chat interface prompts the user to verify the account to transfer from and to based off of the account information.</p> <p>Step 10: The system prompts the user for the amount to transfer between the accounts selected</p> <p>Step 12: The system initiates a transfer request for the customer and displays the difference of the accounts used.</p>
Alternate Courses:	<p>Alt-Step 4: The system cannot locate bank information based on the username information provided. Go to step 2.</p> <p>Alt- Step 6: Chat bot does not recognize the secret phrase provided and prompts the user to try again. Go to step 5.</p> <p>Alt-Step 12: The system cannot facilitate the transfer because the amount being transferred exceeds the amount the user owns. Go to step 10.</p> <p>Alt-Step 12: The system cannot facilitate the transfer because the customer has reached their limit of transfers between accounts for the current time period.</p>	
Post-condition:	The customer has attempted to transfer money between accounts they own. If pre-defined conditions are met (identity, password, and secret phrase) the transfer is processed, and the customer will be notified with an updated bank statement.	

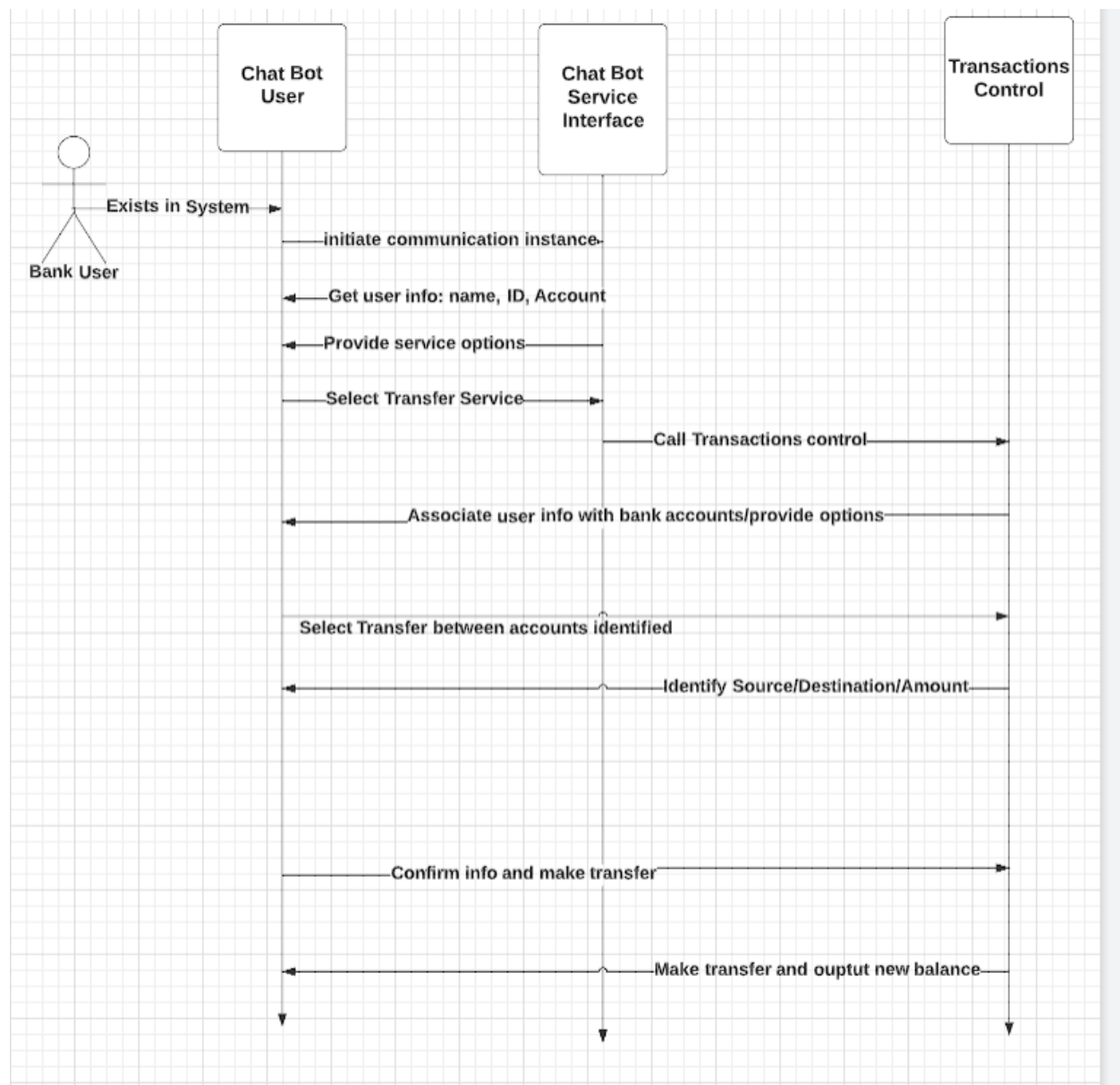
Activity Diagram for Transfer Function Use-Case Diagram:



Class Diagram for Chat Bot:



Sequence Diagram for Transfer Function Use Case Narrative:



State Machine Diagram for Service Interface:

