# Lab 4 – Presto Card

*\*\*Just a notice that I had attempted to do the Bonus 5% opportunity for this lab – Option 1. I had added the ability to ‘del, tap, and topup’ by typing the card name instead of the index value \*\**

Part 2 – Initial Screen

Text

Description automatically generated

Screenshot 1

Context: As the application starts up, the user is presented with a banner and description of what the program is. They are shown the existing cards on record, and they are prompted for what they would like to do next

Text

Description automatically generated

Screenshot 2

Context: The user attempted to add a new card with a (non-numeric) balance of “three” so the program did not accept their input, displayed an error message

Text

Description automatically generated

Screenshot 3

Context: The user attempted to delete a card name that had not previously been registered in the system, the system notified the user of the error

Text

Description automatically generated

Screenshot 4

Context: The user tried to tap a card that is not registered in the system and so the tap function cannot proceed since there is no valid card with a registered balance amount

Text

Description automatically generated

Screenshot 5

Context: The user attempted to “topup” a card with a non-numeric balance and was given an error

## Part 4 – Input and Output Screens

Text

Description automatically generated

Text

Description automatically generated

Screenshot 6

Context: The user attempted to add a card following the appropriate input parameters (name, balance) and was given a confirmation that they were able to add the card to the system, as well as a refreshed menu with the new card details.

Text

Description automatically generatedText

Description automatically generated

Screenshot 7

Context: The user inputted a card name that was previously entered into the system and the system was able to match it with an existing card’s name. The system refreshed its records with the removal of the previously selected card.

Text

Description automatically generatedText

Description automatically generated

Screenshot 8

Context: The user attempted to tap a card that had a sufficient balance, the user was given a confirmation message that the card has been tapped and was outputted the new balance of the card. The system then refreshed the menu to reflect the new card balance.

Text

Description automatically generatedText

Description automatically generated

Screenshot 9

Context: The user selected the “topup” function and successfully entered a card name that was already registered in the system, the system then gave a confirmation message that the new funds have been added to the user’s account. The system refreshed the card details to show the changes.