Grace Fletcher

Project Two Pseudocode

CS 210

Airgead Banking App Pseudocode

START program

INITIALIZE variables for banking app

DISPLAY menu to user

GET input for initial investment

GET input for monthly deposit

GET input for annual interest

GET input for number of years

SET total amount to initial investment

DISPLAY balance and interest without additional monthly deposits

“Year … Year End Balance … Year End Earned Interest”

FOR loop to calculate balance and interest without additional monthly deposits

INTEREST amount = (total amount) \* (annual interest / 100)

TOTAL amount = total amount + interest amount

DISPLAY years

DISPLAY total amount

DISPLAY interest amount

SET total amount back to initial investment

DISPLAY balance and interest with additional monthly deposits

“Year … Year End Balance … Year End Earned Interest”

FOR loop to calculate balance and interest with additional monthly deposits

SET yearly total interest to 0

INTEREST amount = ((total amount + monthly deposit) \* (annual interest / 100)) / 12

YEARLY total interest = yearly total interest + interest amount

TOTAL amount = total amount + monthly deposit + interest amount

DISPLAY years

DISPLAY total amount

DISPLAY interest amount

RETURN and exit the program