

ALGORITHM AND FLOW OF TAX CALCULATION APPLICATION

START

STEP 1: DISPLAY WELCOME MESSAGE AND DEVELOPER INFORMATION

STEP 2: DISPLAY USER INTERFACE

STEP 3: INITIALIZE A LOOP AND ALLOW USER TO CHOOSE OPTION

STEP 4: BASED ON THE USER'S CHOICE FOLLOWING ACTIONS PERFORMED

OPTION 1: PROPERTY TAX

SUB-OPTION 1: ADD PROPERTY DETAILS

USER ENTER THE PROPERTY DETAILS LIKE

BUILT-UP AREA

BASE-PRICE

CONSTRUCTION AGE

PROPERTY IS IN CITY OR NOT

SUB-OPTION 2: CALCULATE TAX

SUB-OPTION 3: DISPLAY PROPERTIES DETAILS WITH CALCULATED TAX

IT DISPLAYS THE ALL THE PROPERTIES DETAILS ALONG WITH THEIR TAX.

SUB-OPTION 4: BACK TO MAIN MENU

OPTION 2: VEHICLE TAX

SUB-OPTION 1: ADD VEHICLE DETAILS

USER ENTER THE VEHICLE DETAILS LIKE

REGISTRATION NUMBER

BRAND NAME

PURCHASE COST

VELOCITY

CAPACITY

FUEL TYPE

SUB-OPTION 2: CALCULATE TAX

SUB-OPTION 3: DISPLAY VEHICLES DETAILS WITH CALCULATED TAX

IT DISPLAYS THE ALL THE VEHICLES DETAILS ALONG WITH THEIR TAX.

SUB-OPTION 4: BACK TO MAIN MENU

OPTION 3: TOTAL TAX

IT DISPLAYS TOTAL TAX (includes property tax and vehicle tax) THAT HAVE TO PAID BY USER.

OPTION 4: EXIT APPLICATION

IT CLOSE THE APPLICATION WITH MESSAGE “**CLOSING THE APPLICATION GOODBYE**”

STEP 5: HANDLE INVALID INPUTS WITH APPROPRIATE MESSAGE

STEP 6: REPEAT THE USER INTERFACE LOOP THAT ALLOWS THE CONTINUOUS USE OF APPLICATION UNTIL THE USER CHOOSES OPTION 4 THAT CLOSE THE APPLICATION.

END