# Taxpayer

- cat1LowerLimit : double

- cat2LowerLimit : double

- cat3LowerLimit : double

- cat4LowerLimit : double

- cat5LowerLimit : double

- cat1Percent : double

- cat2Percent : double

- cat3Percent : double

- cat4Percent : double

- cat5Percent : double

- name : String

- address : String

- homeAssessment : double

+ LoadTaxTable(void) : void

Loads lower limits and percentages for each category from the tax rate file.

+ GetTaxpayerData(taxpayerFileSC : Scanner) : void

Loads the name, address, and home assessment attributes from a given file.

+ DetermineTaxRate(void) : double {applicableTaxRate}

Determines applicable tax rate based upon category info and the home assessment.

+ DetermineTaxDue(void) : double {taxDue}

Using the applicable tax rate and the home assessment, computes the tax due.

+ GetName(void) : String {name}

Gives back the taxpayer name.

+ GetAddress(void) : String {address}

Gives back the taxpayer address.

+ GetAssessment(void) : double {homeAssessment}

Gives back the home assessment.

+ IdentifyCategory(void) : int {category}

Using the home assessment, identifies if in category 1 - 5.

ProcessPropertyBills

None.

+ main(args : String [ ]) : void

Loads tax table, gets tax file name, processes each taxpayer, and displays tax bill summary.

+ GetTaxFileName(void) : String {taxFileName}

Prompts the user for and gets the name of the tax file.

+ ProcessEachTaxPayer(theTaxpayer : Taxpayer, taxFileName : String) : double [ ] {totals}

Repeatedly gets taxpayer data, determines tax rate, determines tax due, updates totals, and displays taxpayer bill.

+ DisplayTaxBillSummary(totals : double [ ]) : void

Displays the count for each category and the total taxes due in a report format.

+ UpdateTotals(theTaxpayer : Taxpayer, totals : double [ ]) : void

Uses the taxpayer home assessment to determine the category and taxes due which are used to update the count for each category and the total taxes due.

+ DisplayTaxpayerBill(theTaxpayer : Taxpayer) : void

Displays all taxpayer information along with the applicable tax rate and tax due.