

Class Responsibility Collaboration (CRC) Cards

Owners	
Knows owners first name	
Knows owners last name	
Creates an Owners object	
Ensures there are no duplicate owners	

Property	
Knows the owners of the property	Owners
Knows the address of the property	
Knows the eircode of the property	
Knows the estimated market value of the property	
Knows if the property is a private residence	
Knows what location category the property belongs to	
Provides a method to allow the user to change the rates for calculating property tax	

Properties	
Provides an ArrayList to store a collection of Property Objects	Owners Property
Provides a method to add a Property Object to the ArrayList	
Adds pre-created Properties Objects from the CSV file when the program starts	
Provides a method to search through the ArrayList based on the name of the owners	

Calculator	
Knows the market value of the property	
Knows the rates for calculating property tax	
Knows the respective charges for the specific location categories	
Knows all the specific location categories	
Knows if the property is a private residence	
Provides constructor to create calculator object	
Calculates property tax	

Tester	
Provide a test instance of the program	Menu Scenes

PropertyTax	
Has access to the CSV file "PropertyTaxData"	PropertyTaxData Property
Provides an ArrayList to store PropertyTaxData objects	
Provides a method to add Property objects to the CSV file	
Can read from the CSV	
Provides method to find property tax information by property	

PropertyTaxData	
Knows the eircode of the property	
Knows the year that the property tax was last paid	
Knows the property tax	
Knows the if the property tax has been paid or not	
Provides constructors to create PropertyTaxData objects	
Checks if the property tax is overdue to be paid	

CSV	
Has access to the CSV file	Property Properties
Adds property data to the CSV file	
Returns the contents of the CSV file as a Properties object	

Menu	
<p>Knows all Property objects contained in the Properties ArrayList</p> <p>Knows all PropertyTax information</p> <p>Has a boolean "stop" initially set to false so that the Menu can be started</p> <p>The user can find their properties</p> <p>The user can add a property</p> <p>The user can access the property tax information for their properties</p> <p>The user can check the properties by owner</p> <p>The user can alter the calculator and the rates it uses to calculate the property tax</p> <p>The user has to ability to exit (stop) the Menu at any time</p>	<p>Properties</p> <p>PropertyTax</p> <p>CSV</p> <p>Owners</p>

Scenes	
<p>Provides the Graphical User Interface (GUI) for the program</p>	<p>Properties</p> <p>Property</p> <p>PropertyTax</p> <p>PropertyTaxData</p> <p>Owners</p> <p>CSV</p>