***GUI Layout:***

\*\*Inputting the owners name is wherever ye have it now\*\*

# Screen 1:

1. Property Owner
2. Department of Environment
3. Quit – exits application window

# Property Owner:

1. Register Property
2. View Properties
3. Search By Year
4. Make Payment
5. Balancing Statement
6. Quit – puts user back to screen 1

# Department of Environment

1. Property Tax Data
2. Tax Data for Owners
3. Overdue Tax
4. Statistics by Area
5. Investigate Rate Change
6. Quit – puts user back to screen 1

## Register Property:

Name:

Address:

Eircode:

Location:

Market Value:

PPR:

owner.registerProperty()

## View Property:

for(int i = 0; i < menu.viewProperties().size(); i++){

Property p = (menu.viewProperties()).get(i);

double overdue = 0;

(p +

Tax Due:" + calculatePropertyTax +

Overdue Tax: " + PropertyTax.calculateOverdue(p)

}

## Search By Year:

Year:

Owner.viewPropertiesByYear(year)

## Payments:

menu.viewPayments()

## Make Payment:

Property p = (Property)

owner.viewProperties();

print calculatePropertyTax()

Ammount:

if(ammount > PropertyTax.calculatePropertyTax())

“enter a smaller amount”

owner.payPropertyTax(p, ammount);

Print “Payment Confirmed For: " + p

## Balancing Statement:

Property or Year

Property:

Address:

owner.getBalancingStatement(address)

Year:

Year:

owner.getBalancingStatement(year)

## Property Tax Data:

Address:

deptOfEnvironment.getTaxDataForProperty(address)

## Tax Data for Owners:

Owner Name:

deptOfEnvironment.getTaxDataForOwner(name)

## Overdue By Year:

Sort by Eircode? YES NO

YES:

Eircode:

Year:

deptOfEnvironment.getOverdueTaxForYear(year, eircode)

NO:

Year:

deptMenu.getOverdueTaxForYear(year)

## Statistics:

Eircode:

deptOfEnvironment.getPropertyTaxStatistics(eircode)

## Investigate Rate Changes:

City Charge:

Large Town Charge:

Small Town Charge:

Village Charge:

Countryside Charge:

deptOfEnvironment.investigateRateChange(city, largeTown, smallTown, village, countryside)