Object Oriented Programming Project

**Project Name:** Home Survey App

**Project Start Date:** 05/11/18

**Project End Date:** 02/12/18

**Project Author:** Ken Dolan **Student No:** 16312261

**Project Author:** Jake Horner **Student No:** 16318711

**Project Description:**

The goal of this project is to identify people’s state of living in Ireland. The application would take details from a person as part of a survey and enter them into one of three array lists that identifies people who own their own homes, rent accommodation or people who are homeless. The process this application would follow is a person would enter their name, date of birth and their annual income, they would then select a button that suits their criteria for Home Owners, Renting and Homeless. These buttons would reveal detailed sections for each Housing situation. E.g. Home Owners button would ask if a person was married and how many people lived in the house; Renting would ask users to input their monthly rent and Homeless entries would ask users to detail why and how they were made homeless. Once the Users entered in their details they would press the button to add details to an Array List. When they have finished entering their details they will click the save button which would write the list to a file. Finally when they click Print on either Home Owners, Renters or Homeless, the application would print the details entered into the array list. From the amount of people entered into each list we can identify how many people are homeless, how much people pay for their rent and how many people are home owners. This application would be useful for the government in tackling the Homeless Crisis currently afflicting the country.

**Project Responsibility:**

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| **Project Aspect** | **Project Responsibility** |
| GUI Objects | Ken + Jake |
| Event Handling | Jake |
| Arrays of Objects | Jake |
| Array Lists | Ken + Jake |
| Reading to a File | Ken + Jake |
| Writing to a File | Ken |
| Instantiable classes and OOP principles | Ken |