This assignment is a major project building up a model, application, or analysis from scratch. Broadly speaking, my project includes read in some data/read in some data/process it in some way/display the results/ write the results to a file. Knowing these things above is essential for understanding the software.

**Independent Project**

**Intention of the software**

* The intention of the software was to model how drunks all get from the pub (showing in the center of grid with different color as background and value of 100.
* The data read into the model was the environment of the backgroud, including the location of pub and 25 homes that assighed to each different drunks.
* All drunks are supposed to move together and finally get home
* Write the results to a file

**Issues during development**

* Complication of drunks all going home, and how to model the proccess of going out from the same place and successfully arriving each person’s home
* How to initialise environment based upon movement of drunks
* How to work out each drunk matches their own home, doesn’t stop when they meet other’s home
* How these issues were overcomed
* Using the while loop until each drunk (they are all assighed a number) when the requirement meets, the True/False judgement stops

**Limitations**

* For this project, annimation could be added to show the process how they got home.