# Software Development Assignment Interview

# Newsagent Personal Information

* The news agent is in a small corner shop in Athlone
* For this scenario the Newsagents name is Terry

# Business Details

* There are 24 Areas in Athlone that are Delivered to
* Each of these areas are Dealt with by separate delivery drivers
* (24 Drivers Total)

# Delivery Driver Info

* The delivery driver arrives at 7am
* They then collet their own delivery docket to see what they are delivering
* Once they have the docket they will go into the storeroom and gather their Stock (Manually)
* Each delivery driver is aware and responsible for there area in which they deliver
* They will return any missed deliveries back to the storeroom
* (E.g. Todays newspaper is no longer useful tomorrow)

# Terrys jobs

* Terry arrives at work at 4AM
* Terry then will generate 24 delivery dockets (one docket for each area)
* He generates these based off the order book
* Once a month Terry also generates Bill/Invoice for each area
* He generates these based off the delivery dockets
* Terry will also leave out any deliveries in which the customer has informed Terry that they are on holiday from the delivery docket
* Terry updates stock based of delivery docket

# Payment System

* Customers will Receive their invoice at the beginning of each month
* They will then Have one month to pay this Bill
* After that month they will be issued a reminder to pay their invoice
* If after 3 MONTHS if they Have not paid, they Will be issued a warning
* After that warning their deliveries will stop

# Holidays

* When a customer is going on holidays or on a business trip, they will call Terry and inform him that they will be gone
* When Terry then goes to make the Delivery docket, He will exclude from the docket those who are on holidays

# Books/Entities

* Customer Book
  + This contains a list of the customers signed up per area
* Order Book
  + This contains a list of All customers who have a valid order in the Area
* Delivery Docket
  + This contains the delivery drivers list of locations to deliver to and what needs to be delivered
* Invoice
  + This is the bill the customer receives at the start of each month based on what they’ve ordered

# Publications

* There are multiple types of publications
* Books, Newspaper, Magazines, comics etc.
* These appear to be time based
* Meaning they won’t be of much use after a day/day so keeping them won’t be of much use

Group Note – The pricing right now for the publications seem to be up to us to basically roleplay the prices