For the first phase of the project, I spent time trying to get the main idea and concept for my application in full swing, getting the functionality fleshed out. What was concluded was that a mobile application which helped people in home or out and about, would be a good idea. Using SQL, Xamarin (c#), xaml would be the best technologies to use as the desired project would be a mobile application for ease of usability. A Trello board was started up and a list of functionalities was added.

Project name:

Stokk

Multipurpose home database system

Functionality:

Shopping list

Stock intake/output

Meals that can be done with current ingredients in house (once chosen current ingredients removed)

fully customizable for individual user (they can name the rooms and cupboards)

ingredient-cupboard-room-user

initially start by inputting the data which seems overdrawn so if there is time then using tesco api or vision processing for the receipts (this is not a priority and other functionality will come first, but interesting feature)

application:

* notifies user when getting low on an item/ingredient
* adds item when 1 qty left to shopping list
* when 0 added to urgent part of shopping list
* user can see possible meals from the ingredient they have in their cupboard
* once meal chosen application will tell user when the list of ingredients for the meal are located
* user can see their cupboards and what ingredients are in them (with qty and or weight)

lots of the functionality like the adding ingredients to lists and notifying the user can be done with triggers within the database

the next stages for me will be:

* planning out the sprints so that my management goals are actualized and planned out in a coherent and logical order (primary functionality first to avoid scope creep)
* set up github and arrange meetings with project supervisor
* plan out and do prototypes for the application this is to help gauge the full range of functionality and where and when functions will be called
* do some event state diagrams and ERD for application
* realising and normalising the database system, and checking it through with a member of staff as to make sure it would work without complications