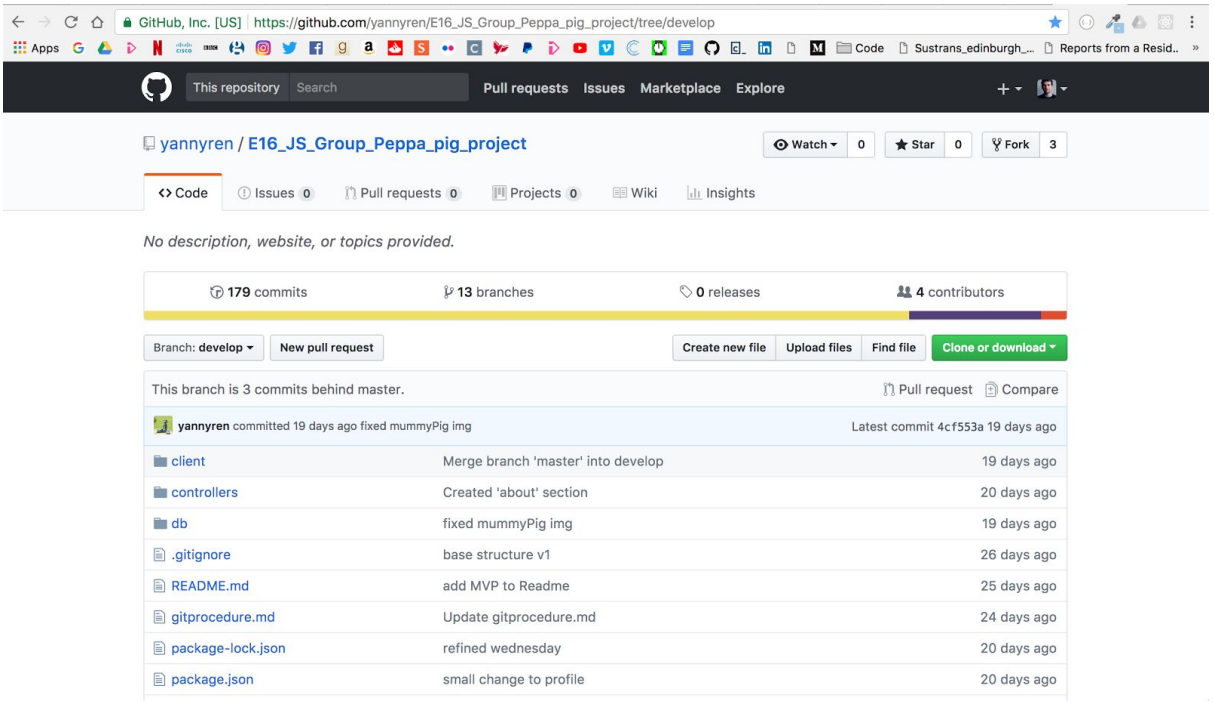
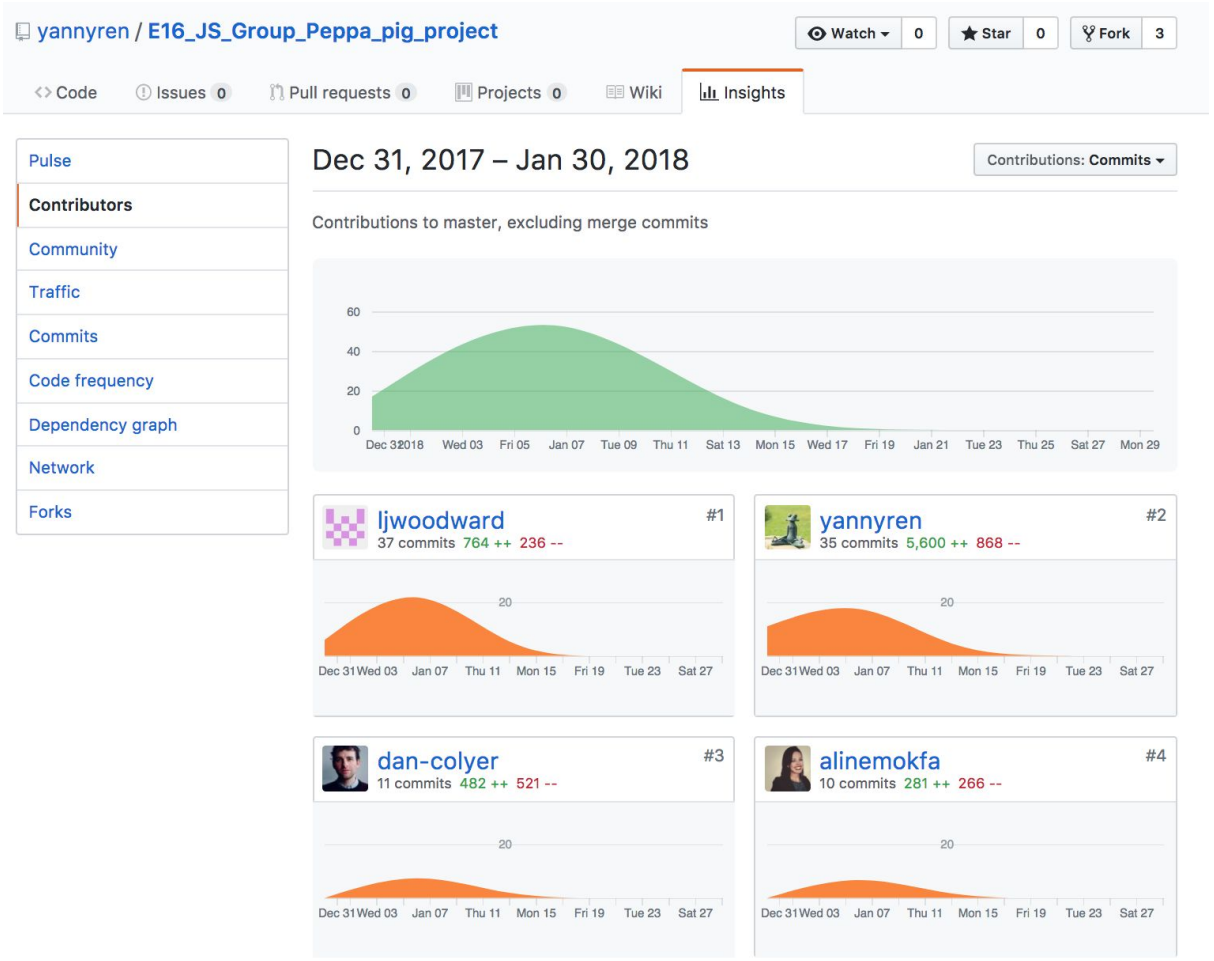
P1 - Group Project





P2 - Project Brief

README.md

Peppa Pig App

The BBC are looking to improve their online offering of educational content by developing some interactive apps that display information in a fun and interesting way.

Your task is to make an MVP to put forward to them - this may only be for a small set of information, and may only showcase some of the features to be included in the final app. You might use an API to bring in content or a database to store facts.

MVP

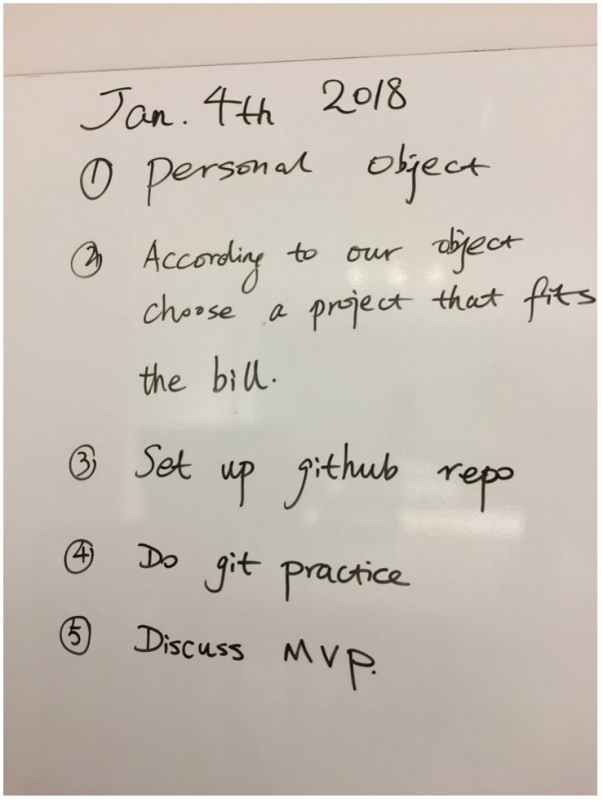
1. App should display a TV set in the centre of the page with icons around to enter different activities.
2. Daddy Pig activity: TV will display google map of where Daddy Pig has gone with information about the location.
3. Mummy Pig activity: TV will display various animal characters from Peppa Pig with images of their real counterparts.

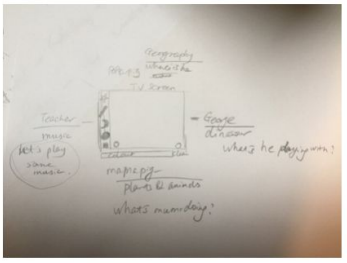
Extensions

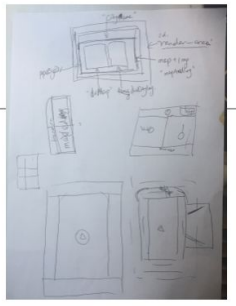
1. Peppa Pig activity: TV will become a canvas for drawing.
2. Madame Gazelle activity: TV will play songs or videos.
3. Daddy Pig activity will have functionality to read the information out loud.
4. Mummy Pig activity will play animal noises for each animal.

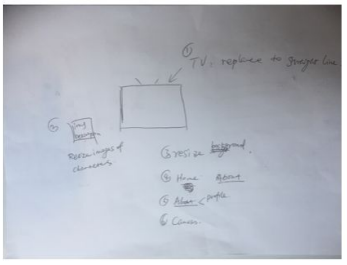
P3 - Project Planning

Planning





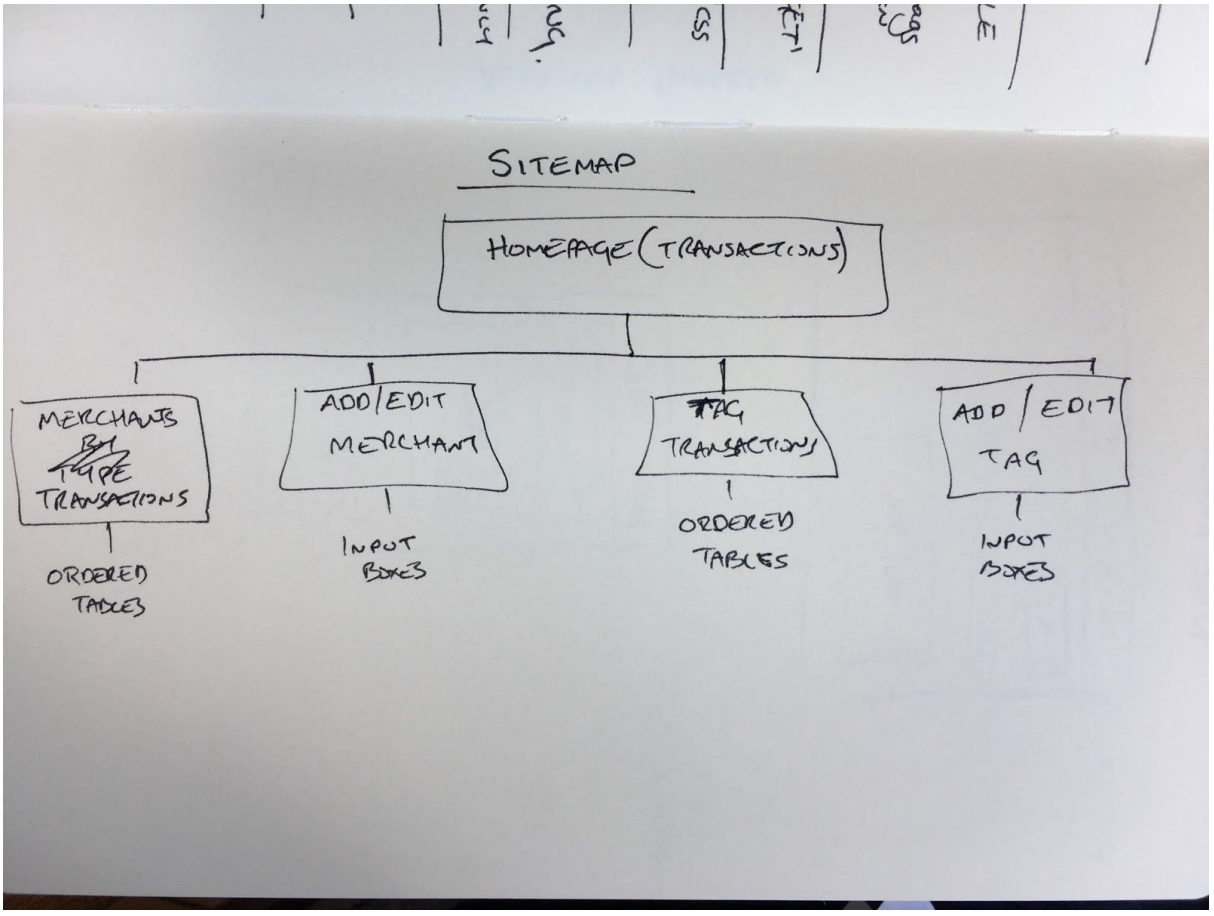




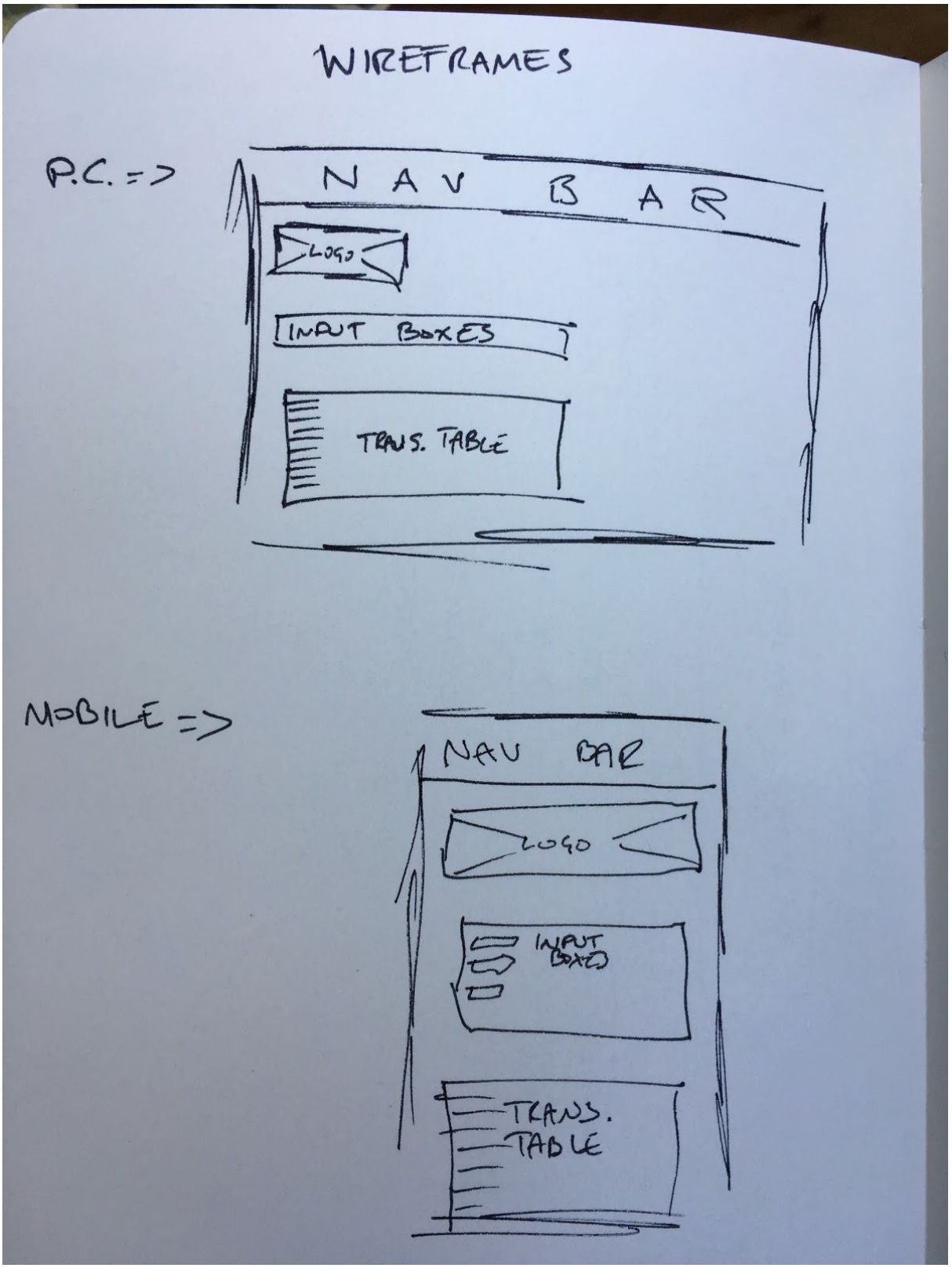
P4 - User Acceptance and Test Plan

Acceptance Criteria	Expected Result/Output	Pass/Fail
User Can Choose between 4 media types	Each ‘type’ icon will lead to appropriate media	PASS
A user can draw on JS Canvas choosing colours	On opening canvas media, colour pallette will be available	FAIL
User can always get back to home page with one click	Home Link on each page will link directly to homepage	PASS

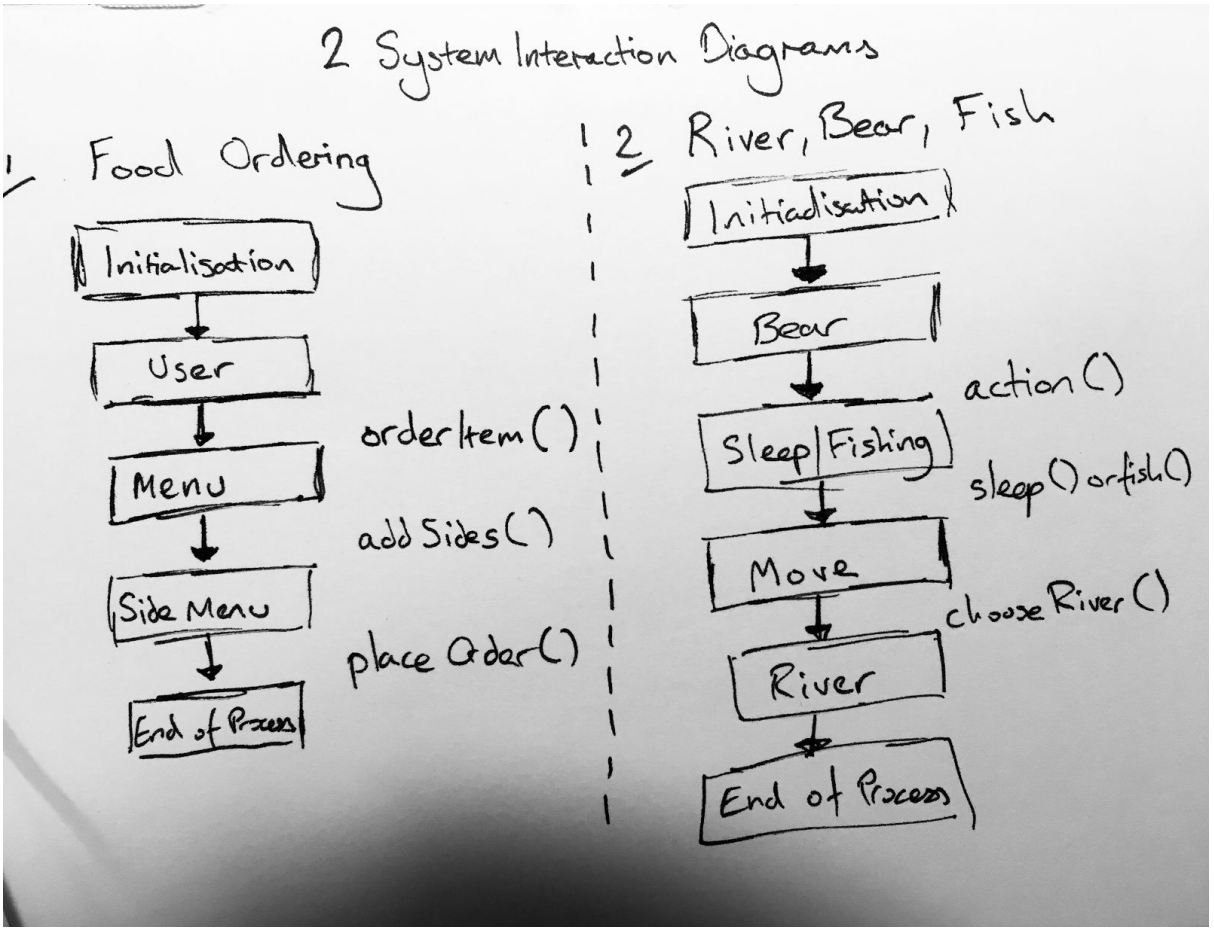
P5 - User Sitemap



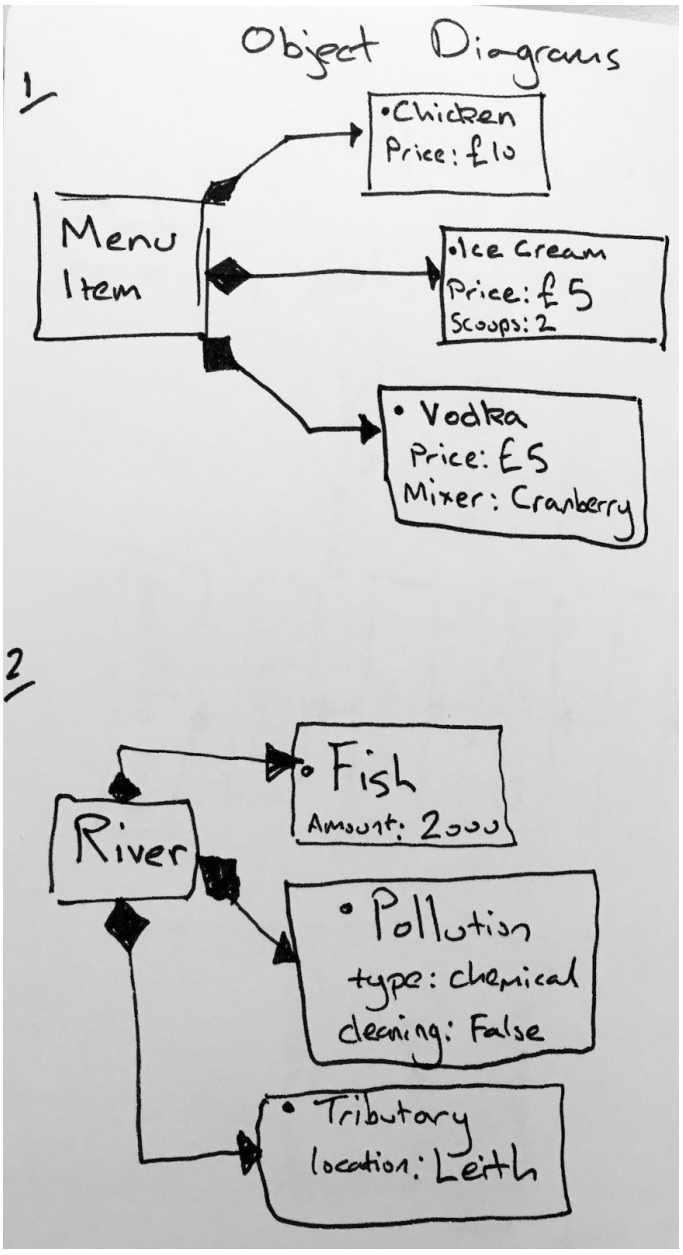
P6 - 2 Wireframe Designs



P7 - System Interaction Diagrams



P8 - Object Diagrams



P9 - Algorithms

```
28      public ArrayList<String> getIngredientsNames() {
29          ArrayList<String> ingredientNames = new ArrayList<>();
30          for (Ingredient ingredient : ingredients) {
31              ingredientNames.add(ingredient.getName());
32          }
33          return ingredientNames;
34      }
```

^^ This algorithm allows the user to see a list of all ingredients in an array. Since the ingredients are objects, the algorithm takes only their names and adds them to a new array ('ingredientNames')

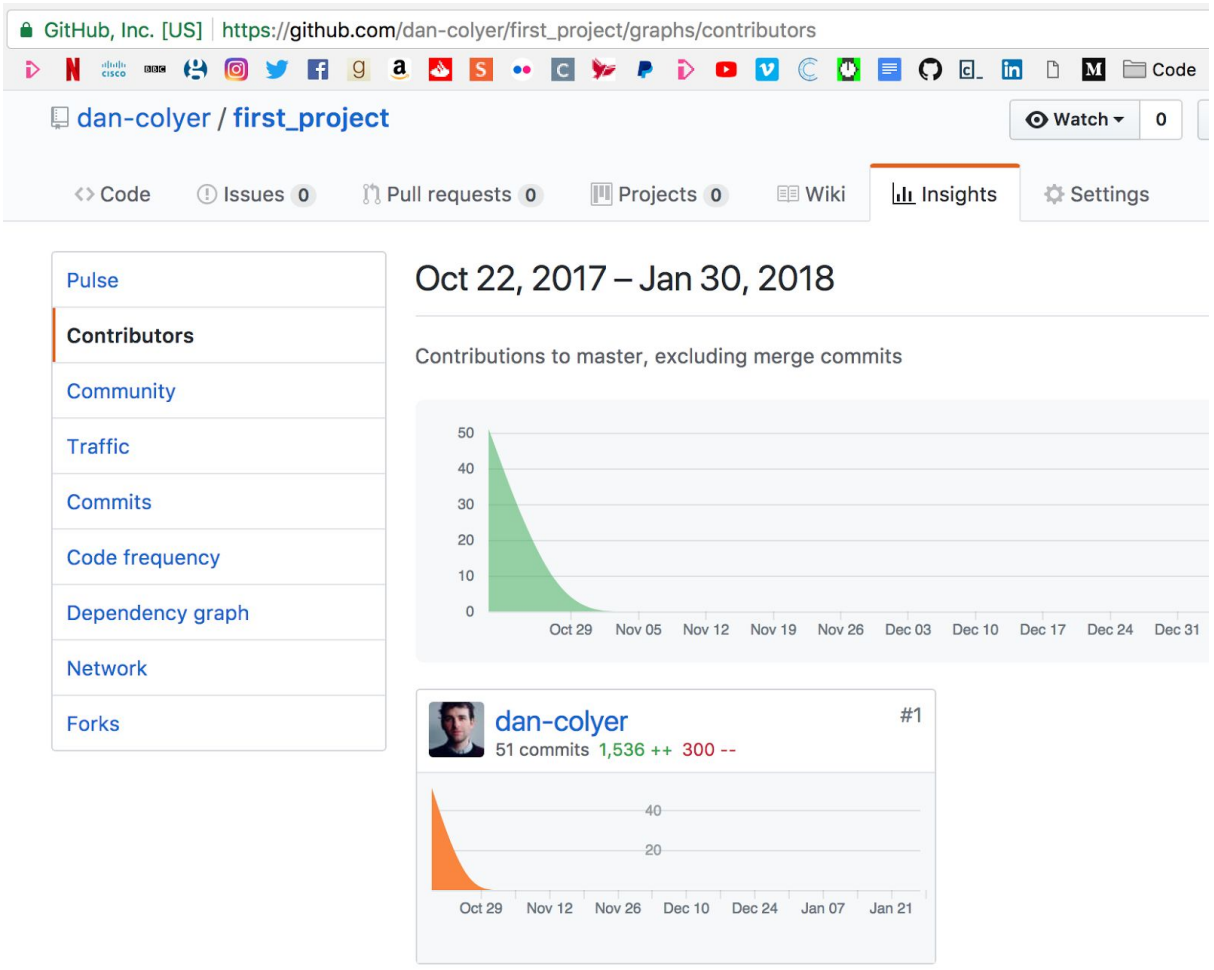
```
40      public void tablePays(Table table) {
41          double tableBill = table.calculateTableBill();
42          this.budget += tableBill;
43          table.clearTable();
44      }
```

^^ This algorithm takes the bill value assigned to a given table (the argument) and adds that value onto the Restaurant's total budget (the value added on would usually be negative).

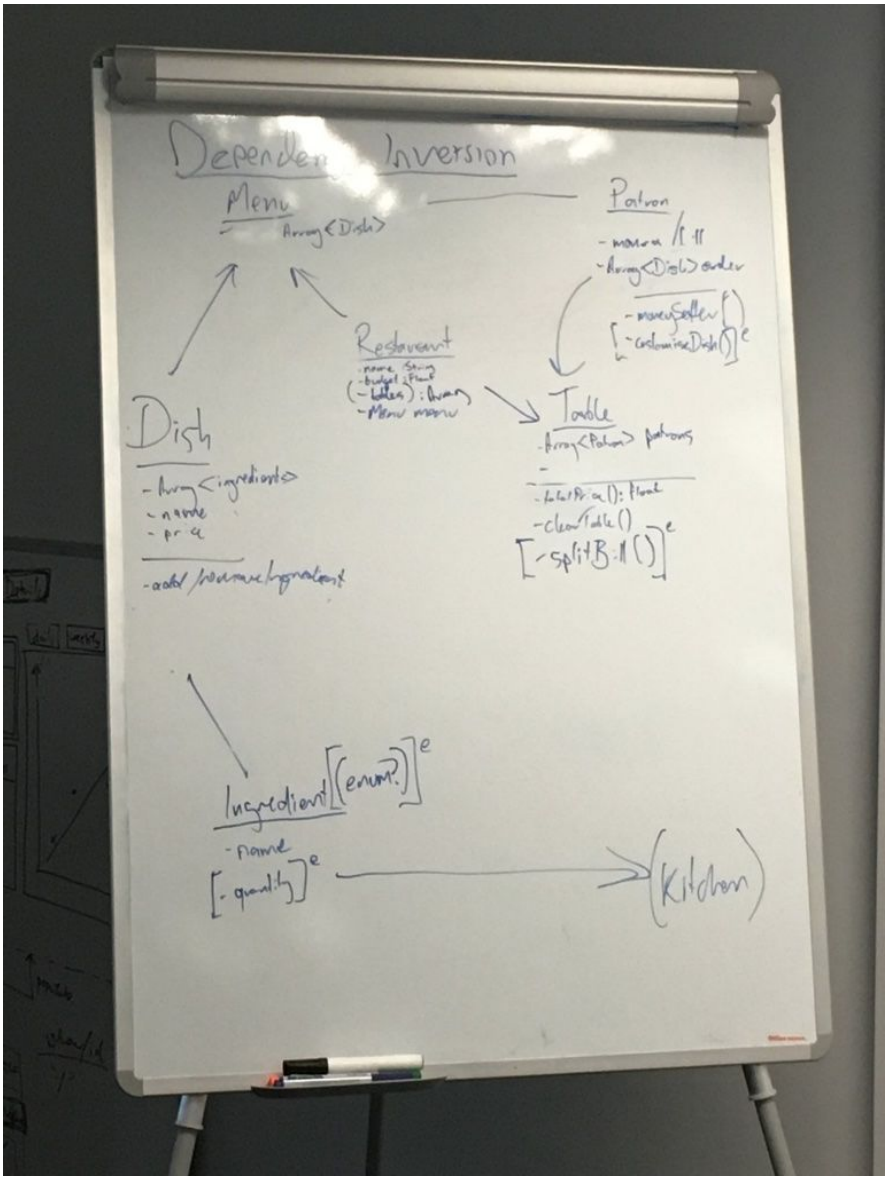
P10 - Pseudocode

```
143 # it('should provide a list of merchants with their spends',
    function() {
144 #   //group each table by each merchant
145 #   //provide a summed figure for each table
146 #   //display result
147 #   })
```

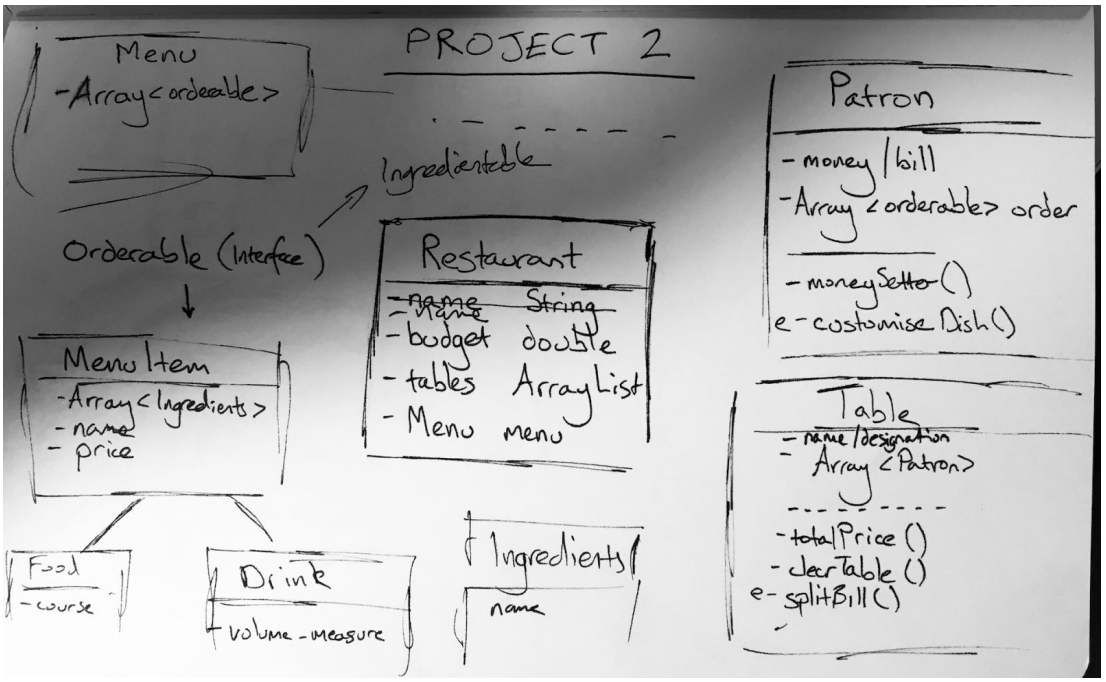
P11 - Lone project Git



P12 - Different Stages of Planning
Initial Restaurant Plan:

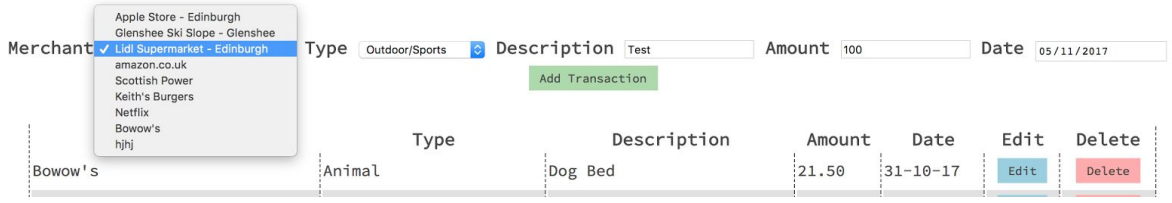


Final Plan:



P13 - Show user input being processed according to design requirements

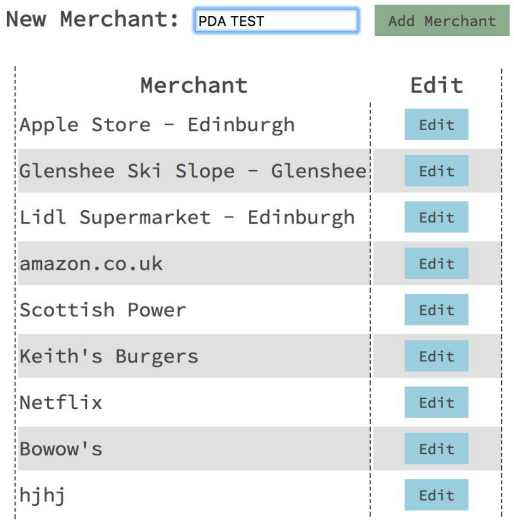
Input:



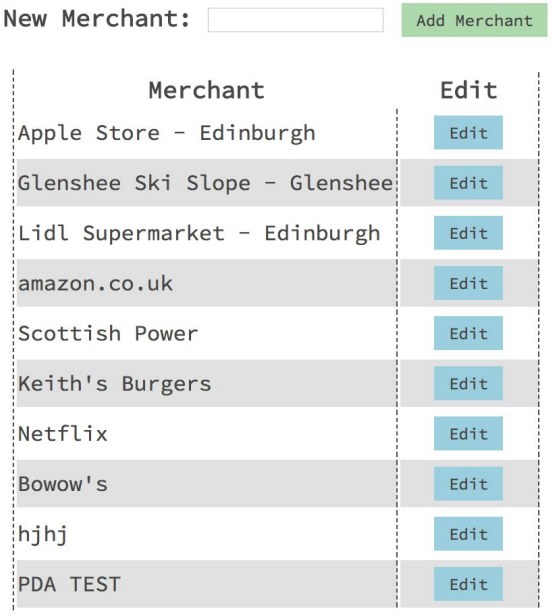
Saved Input:

P14 - Data Persistence + P15 Show feedback

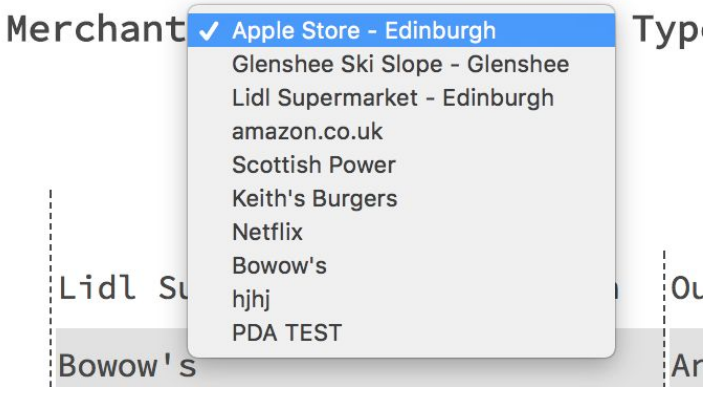
Input 1:



Input 2:



Input Saved:



P16 - API Evidence:

API:

madamGazelle.js — controllers | madamGazelle.js — db

```
use peppa_pigs;

db.videos.remove({});

db.videos.insert(
  [
    {
      "name":"The campsite",
      "embedURL": "<iframe width='665' height='374'
      src='https://www.youtube.com/embed/Sfwd9Z0srtU?rel=0&amp;autoplay=1&amp;controls=0&amp;showinfo=0' frameborder='0'
      allow='autoplay; encrypted-media' allowfullscreen></iframe>"
    },
    {
      "name":"The egg hunt",
      "embedURL": "<iframe width='665' height='374'
      src='https://www.youtube.com/embed/DysgBIOiIwE?rel=0&amp;autoplay=1&amp;controls=0&amp;showinfo=0' frameborder='0'
      allow='autoplay; encrypted-media' allowfullscreen></iframe>"
    },
    {
      "name":"Sun, sea, and snow",
      "embedURL": "<iframe width='665' height='374'
      src='https://www.youtube.com/embed/HUSThHZ2cZ4?rel=0&amp;autoplay=1&amp;controls=0&amp;showinfo=0' frameborder='0'
      allow='autoplay; encrypted-media' allowfullscreen></iframe>"
    }
  ]
)

```

API Reference Code ('videos'):

```
//Index
madamGazelleRouter.get('/', function(req, res){
  db.collection('videos').find().toArray( function( err, result ){

    if(err) {
      console.log(err);
      res.status(500);
      res.send();
      return;
    }

    res.json(result);
  })
})

})

module.exports = madamGazelleRouter;
```

P17 - Debugging

User can watch video media	PASS	View changes for smaller screens	FAIL
User can view and add to canvas	PASS	User can interact with other site users	FAIL
User can view and move Maps api	PASS		
User can search for media	FAIL		

P18 - Testing