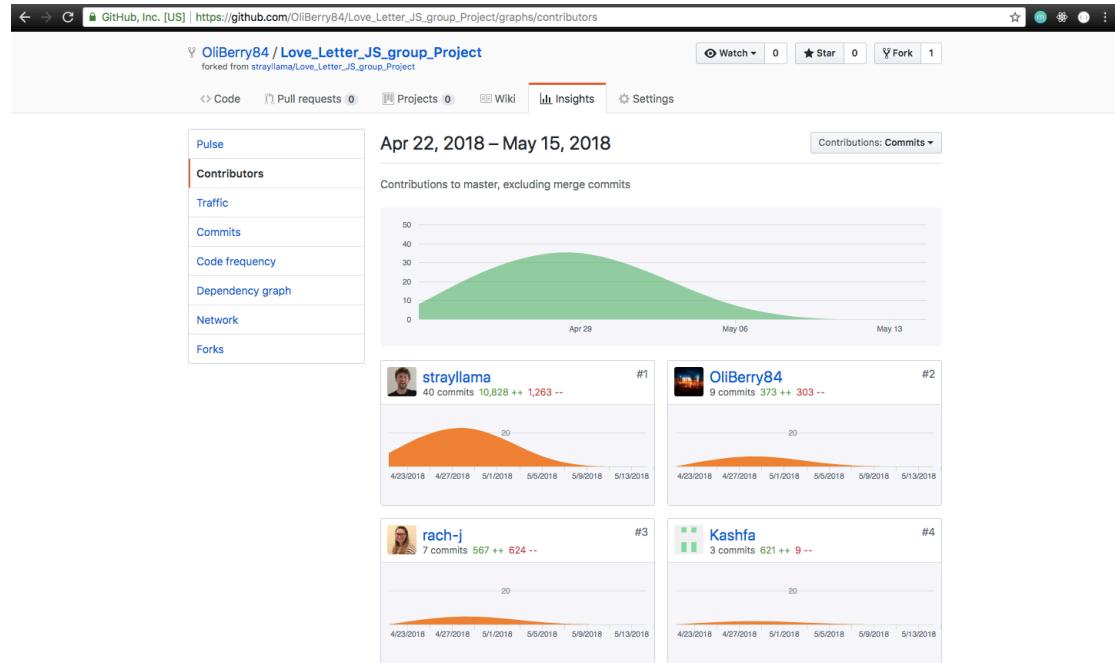


## Evidence for Project Unit

Oliver Berry  
Edinburgh 19

P. 1 Take a screenshot of the contributor's page on Github from your group project to show the team you worked with.



P. 2 Take a screenshot of the project brief from your group project.

### JavaScript Project Specs

#### Situation

5 day Group project, after 3 weeks learning JavaScript. Paul, Oli, Rach, Kash. aka team PORK.

#### Browser Game

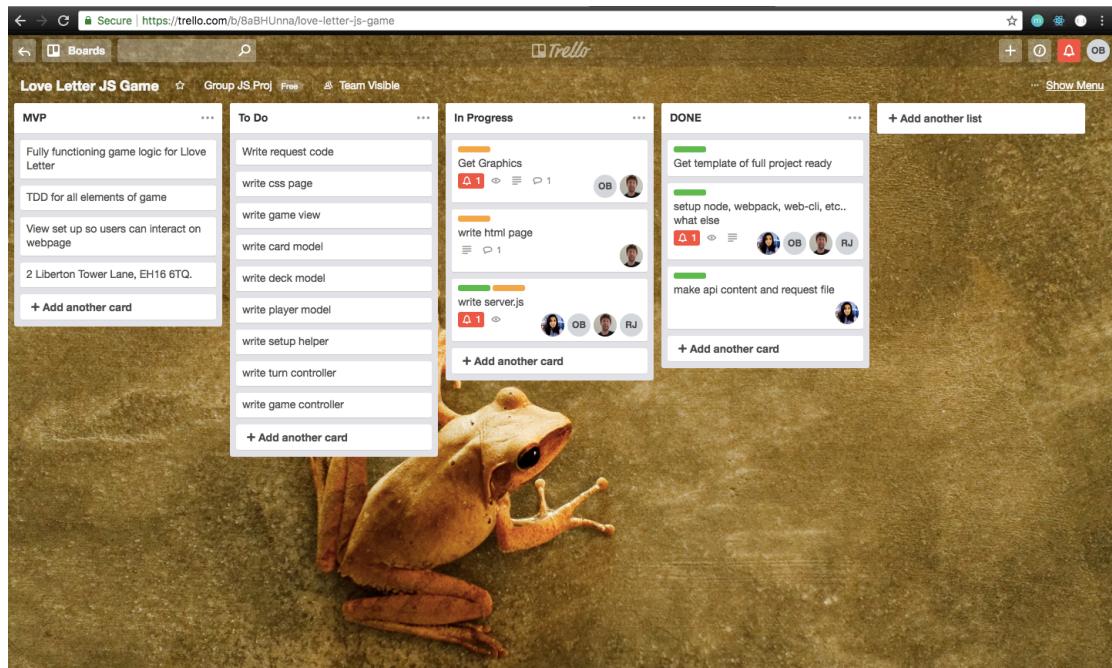
Create a browser game based on an existing card or dice game. Model the game logic and then display it in the browser for a user to interact with.

Make your own MVP with some specific goals to be achieved based on the game you choose to model.

#### **Make 4 player text based game logic and function work, of Love Letter!**

You might use persistence to keep track of the state of the game or track scores/wins. Other extended features will depend on the game you choose.

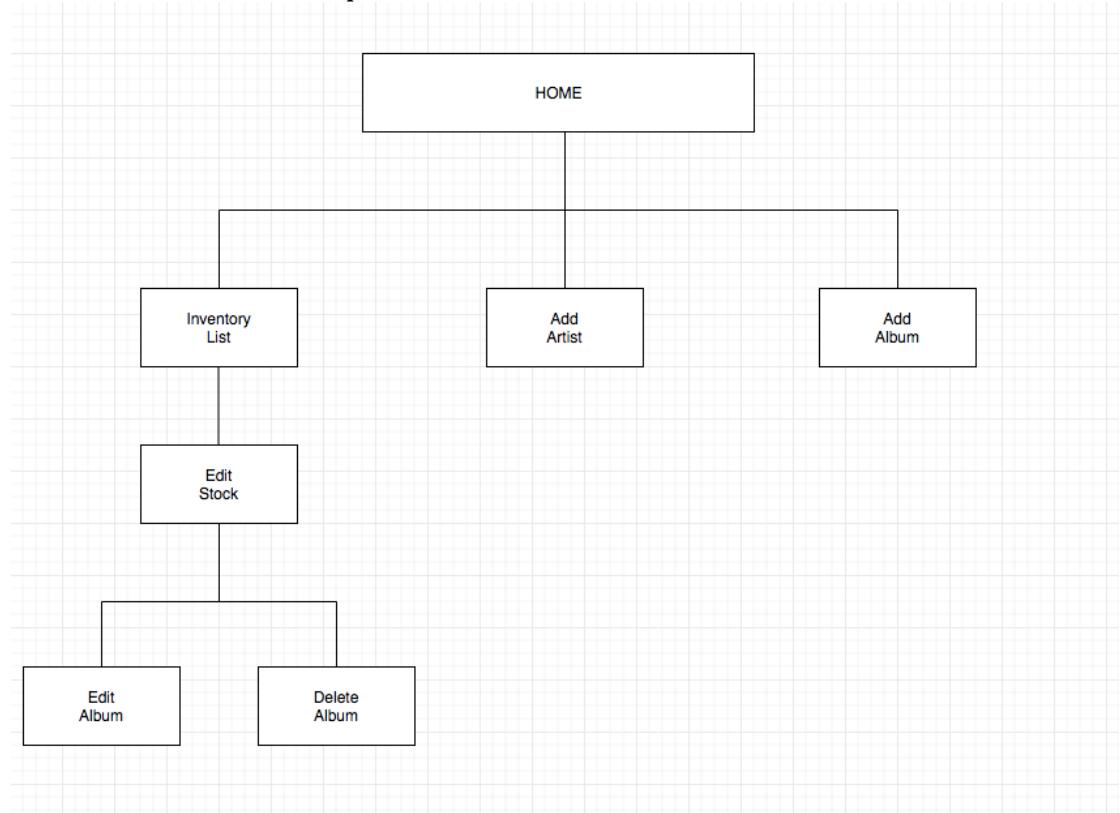
P. 3 Provide a screenshot of the planning you completed during your group project, e.g. Trello MOSCOW board.



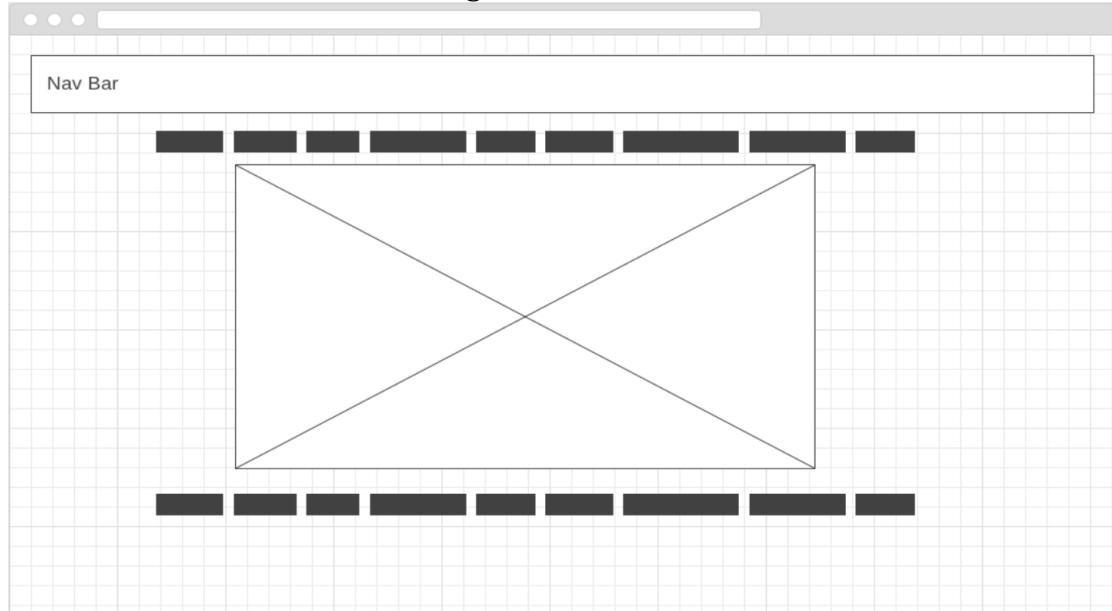
P. 4 Write an acceptance criteria and test plan.

| Acceptance Criteria  | Expected Result  | Pass/Fail |
|--|--|-----------|
| <b>Manager can access all stock and levels in inventory</b>  | When the “Inventory List” tab is clicked, it displays all data stored in the main database   | Pass      |
| <b>Manager can edit individual stock items</b>               | Clicking the “Edit Album” button allows the manager to edit all parts of the stock in question   | Pass      |
| <b>Manager can add a new Artist to the database</b>          | Manager can click the “Add Artist” tab and be taken to a new page that takes in new data   | Pass      |
| <b>Manager can add new Album stock to the inventory list</b> | Manager is able to add a complete album including artist, album, stock level that is added to the inventory list page showing profit margins | Pass      |

P. 5 Create a user sitemap .

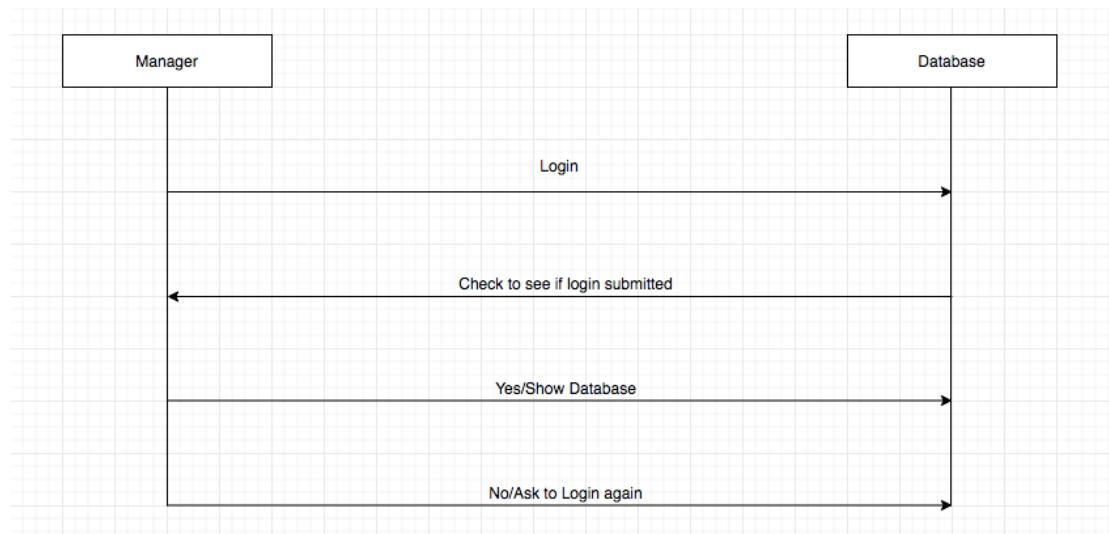


P. 6 Produce two wireframes designs

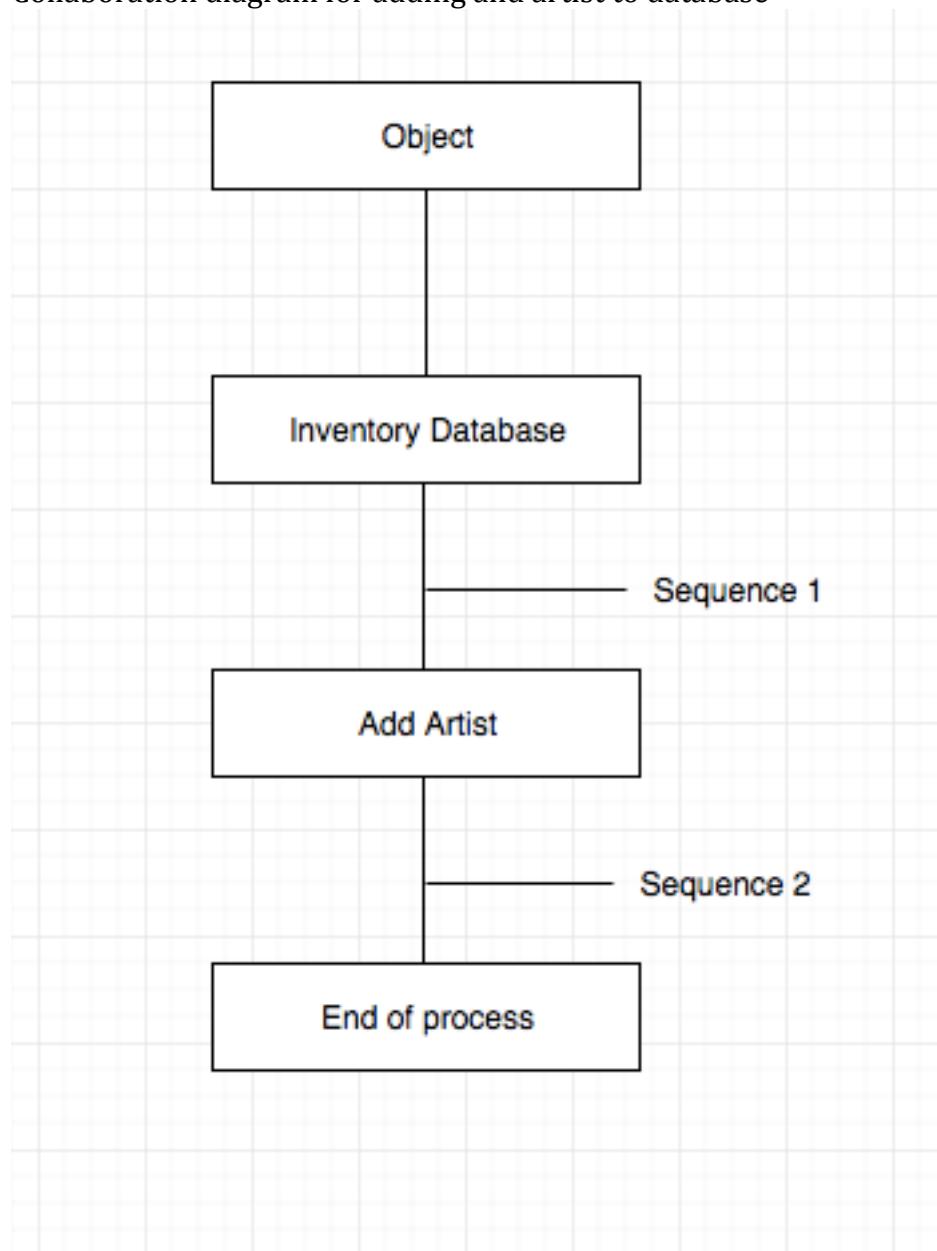


P. 7 Produce two system interaction diagrams (sequence and/or collaboration diagrams)

Manager to database sequence login diagram

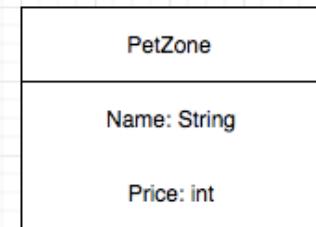
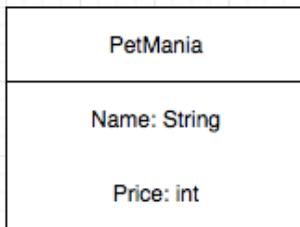


Collaboration diagram for adding artist to database



P. 8 Produce two Object Diagrams

Class Diagram



Object Diagram



P. 9 Select two algorithms you have written (NOT the group project). Take a screenshot of each and write a short statement on why you have chosen to use those algorithms.

```
1  function isPrime(n){  
2      var divisor = 2;  
3  
4      while (n > divisor){  
5          if(n % divisor == 0){  
6              return false;  
7          }  
8          else  
9              divisor++;  
10     }  
11     return true;  
12 }
```

This algorithm checks to see if a number is prime using a while loop and increasing the divisor by 1 every time.

```
1  function firstNonRepeatChar(str){  
2      var len = str.length,  
3          char,  
4          charCount = {};  
5      for(var i =0; i<len; i++){  
6          char = str[i];  
7          if(charCount[char]){  
8              charCount[char]++;  
9          }  
10         else  
11             charCount[char] = 1;  
12     }  
13     for (var j in charCount){  
14         if (charCount[j]==1)  
15             return j;  
16     }  
17 }
```

This algorithm checks to see what the first non-repeating character is in a sentence.

I chose to do both of these as I needed to practice for technical coding tests and thought they were good to know and focus on.

P. 10 Take a screenshot of an example of pseudocode for a function.

```
1 // The princess card needs functionality to end game if discarded
2
3 // Player card and hand card need to be shown, option to select the princess card by the player, ability to submit their choice
4 * and if discarded move to end the game
5
6 // End the game of the player who played the princess card, shows card in the discard pile and displays the dead card on their
7 * hand
```

P. 11 Take a screenshot of one of your projects where you have worked alone and attach the Github link.

The screenshot shows a GitHub repository page for 'OliBerry84 / RubyProject'. The repository has 19 commits, 1 branch, 0 releases, and 1 contributor. The latest commit was made 3 months ago. The commits are listed as follows:

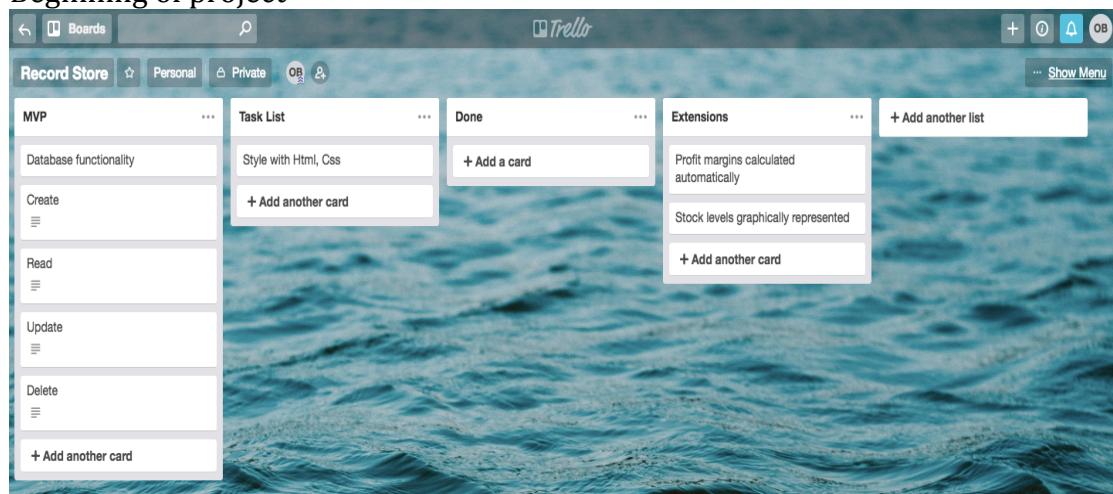
| File        | Commit Message                    | Date         |
|-------------|-----------------------------------|--------------|
| controllers | tided controllers and views a bit | 3 months ago |
| db          | removed pry binding               | 3 months ago |
| models      | forgot what I did to be honest    | 3 months ago |
| public      | forgot what I did to be honest    | 3 months ago |
| views       | tided controllers and views a bit | 3 months ago |
| app.rb      | tided controllers and views a bit | 3 months ago |

At the bottom of the page, there is a button to 'Add a README'.

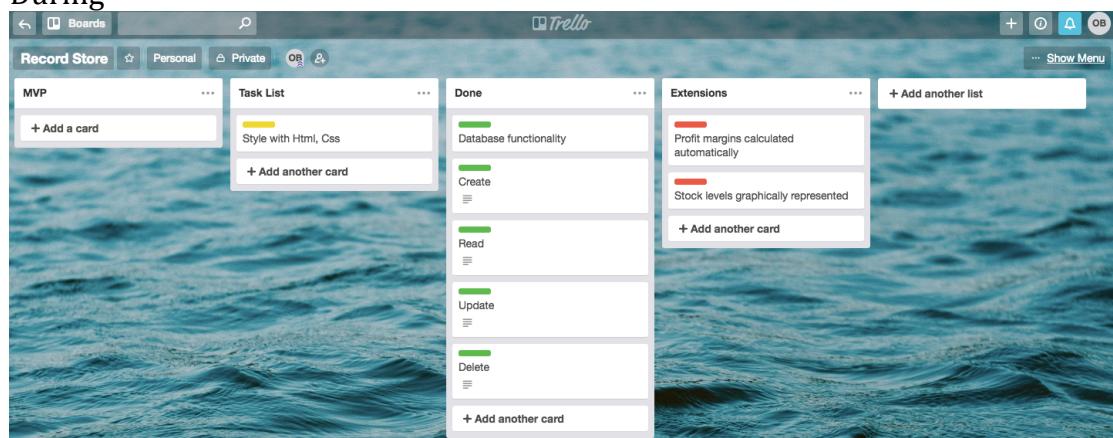
<https://github.com/OliBerry84/RubyProject>

P. 12 Take screenshots or photos of your planning and the different stages of development to show changes.

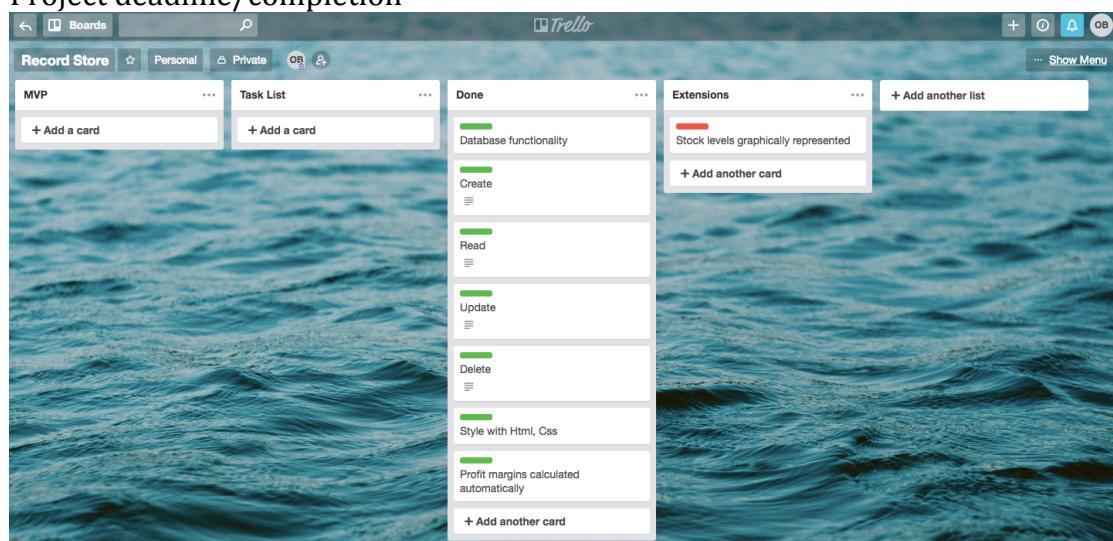
### Beginning of project



### During



### Project deadline/completion



P. 13 Show user input being processed according to design requirements. Take a screenshot of:

- The user inputting something into your program
- The user input being saved or used in some way

User wants to edit the Trivium album to increase stock.

| Artist             | Album                     | In Stock | Buy Price (£) | Sell Price (£) | Profit per Sale (£) | Profit on Entire Stock (£) | Management Console- |
|--------------------|---------------------------|----------|---------------|----------------|---------------------|----------------------------|---------------------|
| Trivium            | Silence in the Snow       | 15       | Medium Stock  | 7              | 12                  | 5                          | 75                  |
| Device             | Device                    | 24       | High Stock    | 6              | 10                  | 4                          | 96                  |
| Korn               | The Serenity of Suffering | 9        | Low Stock     | 8              | 15                  | 7                          | 63                  |
| Disturbed          | Immortalized              | 17       | Medium Stock  | 3              | 5                   | 2                          | 34                  |
| Royal Blood        | Royal Blood               | 17       | Medium Stock  | 6              | 11                  | 5                          | 85                  |
| Royal Blood        | How Did We Get So Dark    | 22       | High Stock    | 8              | 15                  | 7                          | 154                 |
| 30 Seconds to Mars | A Beautiful Lie           | 25       | High Stock    | 4              | 6                   | 2                          | 50                  |
| 30 Seconds to Mars | This is War               | 13       | Medium Stock  | 5              | 8                   | 3                          | 39                  |
| Airbourne          | Runnin Wild               | 19       | Medium Stock  | 3              | 7                   | 4                          | 76                  |
| Atreyu             | The Best of               | 4        | Low Stock     | 5              | 8                   | 3                          | 12                  |
| Audioslave         | Audioslave                | 11       | Medium Stock  | 8              | 15                  | 7                          | 77                  |
| Metallica          | S & M 2 cd set            | 27       | High Stock    | 13             | 25                  | 12                         | 324                 |
| Metallica          | Death Magnetic            | 16       | Medium Stock  | 5              | 9                   | 4                          | 64                  |
| Metallica          | Ride the Lightning        | 13       | Medium Stock  | 5              | 9                   | 4                          | 52                  |
| Nirvana            | Nevermind                 | 26       | High Stock    | 3              | 8                   | 5                          | 130                 |
| Probot             | Probot                    | 15       | Medium Stock  | 2              | 6                   | 4                          | 60                  |
| The Raconteurs     | Broken Boy Soldiers       | 14       | Medium Stock  | 4              | 7                   | 3                          | 42                  |
| The Raconteurs     | Consolers of the Lonely   | 16       | Medium Stock  | 3              | 8                   | 5                          | 80                  |
| Slipknot           | Iowa                      | 21       | High Stock    | 2              | 5                   | 3                          | 63                  |
| Soundgarden        | Superunknown              | 17       | Medium Stock  | 3              | 11                  | 8                          | 136                 |
| Twenty One Pilots  | Blurryface                | 17       | Medium Stock  | 4              | 9                   | 5                          | 85                  |

User clicks the album information button to take to the albums page.

| Artist  | Album               | Quantity in Stock | Buy Price (£) | Sell Price (£) | Management Console-                                     |
|---------|---------------------|-------------------|---------------|----------------|---|
| Trivium | Silence in the Snow | 15                | 7             | 12             | <a href="#">Edit Album</a> <a href="#">Delete Album</a> |

User then clicks the edit button.

| Artist  | Album               | Quantity | Buy Price (£) | Sell Price (£) | Management Console-          |
|---------|---------------------|----------|---------------|----------------|------------------------------|
| Trivium | Silence in the Snow | 15       | 7             | 12             | <a href="#">Confirm Edit</a> |

User loves Trivium and so do their customers so they increase stock to 50 albums.

| Artist  | Album               | Quantity | Buy Price (£) | Sell Price (£) | Management Console-          |
|---------|---------------------|----------|---------------|----------------|------------------------------|
| Trivium | Silence in the Snow | 50       | 7             | 12             | <a href="#">Confirm Edit</a> |

User clicks the confirm edit button which will return user to the home page in the process of updating the stock. It is then shown at the bottom of the inventory list with updated values.

| <a href="#">Home</a> | <a href="#">Inventory List</a> | <a href="#">Add Artist</a> | <a href="#">Add Album</a> | -Management Console- |                     |                            |     |                           |
|----------------------|--------------------------------|----------------------------|---------------------------|----------------------|---------------------|----------------------------|-----|---------------------------|
| Artist               | Album                          | In Stock                   | Buy Price (£)             | Sell Price (£)       | Profit per Sale (£) | Profit on Entire Stock (£) |     |                           |
| Device               | Device                         | 24                         | High Stock                | 6                    | 10                  | 4                          | 96  | <a href="#">Edit Menu</a> |
| Korn                 | The Serenity of Suffering      | 9                          | Low Stock                 | 8                    | 15                  | 7                          | 63  | <a href="#">Edit Menu</a> |
| Disturbed            | Immortalized                   | 17                         | Medium Stock              | 3                    | 5                   | 2                          | 34  | <a href="#">Edit Menu</a> |
| Royal Blood          | Royal Blood                    | 17                         | Medium Stock              | 6                    | 11                  | 5                          | 85  | <a href="#">Edit Menu</a> |
| Royal Blood          | How Did We Get So Dark         | 22                         | High Stock                | 8                    | 15                  | 7                          | 154 | <a href="#">Edit Menu</a> |
| 30 Seconds to Mars   | A Beautiful Lie                | 25                         | High Stock                | 4                    | 6                   | 2                          | 50  | <a href="#">Edit Menu</a> |
| 30 Seconds to Mars   | This is War                    | 13                         | Medium Stock              | 5                    | 8                   | 3                          | 39  | <a href="#">Edit Menu</a> |
| Airbourne            | Runnin Wild                    | 19                         | Medium Stock              | 3                    | 7                   | 4                          | 76  | <a href="#">Edit Menu</a> |
| Atreyu               | The Best of                    | 4                          | Low Stock                 | 5                    | 8                   | 3                          | 12  | <a href="#">Edit Menu</a> |
| Audioslave           | Audioslave                     | 11                         | Medium Stock              | 8                    | 15                  | 7                          | 77  | <a href="#">Edit Menu</a> |
| Metallica            | S & M 2 cd set                 | 27                         | High Stock                | 13                   | 25                  | 12                         | 324 | <a href="#">Edit Menu</a> |
| Metallica            | Death Magnetic                 | 16                         | Medium Stock              | 5                    | 9                   | 4                          | 64  | <a href="#">Edit Menu</a> |
| Metallica            | Ride the Lightning             | 13                         | Medium Stock              | 5                    | 9                   | 4                          | 52  | <a href="#">Edit Menu</a> |
| Nirvana              | Nevermind                      | 26                         | High Stock                | 3                    | 8                   | 5                          | 130 | <a href="#">Edit Menu</a> |
| Probot               | Probot                         | 15                         | Medium Stock              | 2                    | 6                   | 4                          | 60  | <a href="#">Edit Menu</a> |
| The Raconteurs       | Broken Boy Soldiers            | 14                         | Medium Stock              | 4                    | 7                   | 3                          | 42  | <a href="#">Edit Menu</a> |
| The Raconteurs       | Consolers of the Lonely        | 16                         | Medium Stock              | 3                    | 8                   | 5                          | 80  | <a href="#">Edit Menu</a> |
| Slipknot             | Iowa                           | 21                         | High Stock                | 2                    | 5                   | 3                          | 63  | <a href="#">Edit Menu</a> |
| Soundgarden          | Superunknowm                   | 17                         | Medium Stock              | 3                    | 11                  | 8                          | 136 | <a href="#">Edit Menu</a> |
| Twenty One Pilots    | Blurryface                     | 17                         | Medium Stock              | 4                    | 9                   | 5                          | 85  | <a href="#">Edit Menu</a> |
| Trivium              | Silence in the Snow            | 50                         | High Stock                | 7                    | 12                  | 5                          | 250 | <a href="#">Edit Menu</a> |

P. 14 Show an interaction with data persistence. Take a screenshot of:

- Data being inputted into your program
- Confirmation of the data being saved

User wants to add a new artist and album for said artist. Clicks the Add Artist tab

| Artist             | Album                     | In Stock | Buy Price (£) | Sell Price (£) | Profit per Sale (£) | Profit on Entire Stock (£) | -Management Console- |
|--------------------|---------------------------|----------|---------------|----------------|---------------------|----------------------------|----------------------|
| Trivium            | Silence in the Snow       | 15       | Medium Stock  | 7              | 12                  | 5                          | 75                   |
| Device             | Device                    | 24       | High Stock    | 6              | 10                  | 4                          | 96                   |
| Korn               | The Serenity of Suffering | 9        | Low Stock     | 8              | 15                  | 7                          | 63                   |
| Disturbed          | Immortalized              | 17       | Medium Stock  | 3              | 5                   | 2                          | 34                   |
| Royal Blood        | Royal Blood               | 17       | Medium Stock  | 6              | 11                  | 5                          | 85                   |
| Royal Blood        | How Did We Get So Dark    | 22       | High Stock    | 8              | 15                  | 7                          | 154                  |
| 30 Seconds to Mars | A Beautiful Lie           | 25       | High Stock    | 4              | 6                   | 2                          | 50                   |
| 30 Seconds to Mars | This is War               | 13       | Medium Stock  | 5              | 8                   | 3                          | 39                   |
| Airbourne          | Runnin Wild               | 19       | Medium Stock  | 3              | 7                   | 4                          | 76                   |
| Atreyu             | The Best of               | 4        | Low Stock     | 5              | 8                   | 3                          | 12                   |
| Audioslave         | Audioslave                | 11       | Medium Stock  | 8              | 15                  | 7                          | 77                   |
| Metallica          | S & M 2 cd set            | 27       | High Stock    | 13             | 25                  | 12                         | 324                  |
| Metallica          | Death Magnetic            | 16       | Medium Stock  | 5              | 9                   | 4                          | 64                   |
| Metallica          | Ride the Lightning        | 13       | Medium Stock  | 5              | 9                   | 4                          | 52                   |
| Nirvana            | Nevermind                 | 26       | High Stock    | 3              | 8                   | 5                          | 130                  |
| Probot             | Probot                    | 15       | Medium Stock  | 2              | 6                   | 4                          | 60                   |
| The Raconteurs     | Broken Boy Soldiers       | 14       | Medium Stock  | 4              | 7                   | 3                          | 42                   |
| The Raconteurs     | Consolers of the Lonely   | 16       | Medium Stock  | 3              | 8                   | 5                          | 80                   |
| Slipknot           | Iowa                      | 21       | High Stock    | 2              | 5                   | 3                          | 63                   |
| Soundgarden        | Superunknown              | 17       | Medium Stock  | 3              | 11                  | 8                          | 136                  |
| Twenty One Pilots  | Blurryface                | 17       | Medium Stock  | 4              | 9                   | 5                          | 85                   |

|   |                |            |           |                      |
|---|----------------|------------|-----------|----------------------|
| Home                                      | Inventory List | Add Artist | Add Album | -Management Console- |
| New Artist                                |                |            |           |                      |
| <input type="text"/>                      |                |            |           |                      |
| <input type="button" value="Add Artist"/> |                |            |           |                      |

User enters the artists name at adds to database

|   |                |            |           |                      |
|---|----------------|------------|-----------|----------------------|
| Home                                      | Inventory List | Add Artist | Add Album | -Management Console- |
| New Artist                                |                |            |           |                      |
| <input type="text"/> Placebo              |                |            |           |                      |
| <input type="button" value="Add Artist"/> |                |            |           |                      |

User then can go to Add Album page and the added artist will be available from the dropdown

| Home  | Inventory List       | Add Artist           | Add Album            | -Management Console- |  |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
|---|----------------------|----------------------|----------------------|----------------------|--|-------|---------------|---------------|----------|-----------|------------------------------|----------------------|----------------------|----------------------|----------------------|--|-----------------------------|----------------------|----------------------|----------------------|----------------------|--|---------------------------|----------------------|----------------------|----------------------|----------------------|--|--------------------------------|----------------------|----------------------|----------------------|----------------------|--|----------------------------------|----------------------|----------------------|----------------------|----------------------|--|---|----------------------|----------------------|----------------------|----------------------|--|--------------------------------|----------------------|----------------------|----------------------|----------------------|--|-----------------------------|----------------------|----------------------|----------------------|----------------------|--|---------------------------------|----------------------|----------------------|----------------------|----------------------|--|--------------------------------|----------------------|----------------------|----------------------|----------------------|--|------------------------------|----------------------|----------------------|----------------------|----------------------|--|-----------------------------|----------------------|----------------------|----------------------|----------------------|--|-------------------------------------|----------------------|----------------------|----------------------|----------------------|--|-------------------------------|----------------------|----------------------|----------------------|----------------------|--|----------------------------------|----------------------|----------------------|----------------------|----------------------|--|--|----------------------|----------------------|----------------------|----------------------|--|------------------------------|----------------------|----------------------|----------------------|----------------------|--|
| <table border="1"> <tr> <th>Artist</th> <th>Album</th> <th>Buy Price (£)</th> <th>Sell Price(£)</th> <th>Quantity</th> <th>Add Stock</th> </tr> <tr> <td><input type="text"/> Trivium</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Device</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Korn</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Disturbed</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Royal Blood</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> 30 Seconds to Mars</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Airbourne</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Atreyu</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Audioslave</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Metallica</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Nirvana</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Probot</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> The Raconteurs</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Slipknot</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Soundgarden</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Twenty One Pilots</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> <tr> <td><input type="text"/> Placebo</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="button" value="Add Stock"/></td> </tr> </table> |                      |                      |                      |                      | Artist                                   | Album | Buy Price (£) | Sell Price(£) | Quantity | Add Stock | <input type="text"/> Trivium | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Device | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Korn | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Disturbed | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Royal Blood | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> 30 Seconds to Mars | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Airbourne | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Atreyu | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Audioslave | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Metallica | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Nirvana | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Probot | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> The Raconteurs | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Slipknot | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Soundgarden | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Twenty One Pilots | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> | <input type="text"/> Placebo | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |
| Artist  | Album                | Buy Price (£)        | Sell Price(£)        | Quantity             | Add Stock                                |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Trivium  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Device   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Korn   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Disturbed  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Royal Blood  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> 30 Seconds to Mars   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Airbourne  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Atreyu   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Audioslave   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Metallica  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Nirvana  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Probot   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> The Raconteurs   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Slipknot   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Soundgarden  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Twenty One Pilots  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| <input type="text"/> Placebo  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |
| Note: You must add a new artist before adding their album to database   |                      |                      |                      |                      |  |       |               |               |          |           |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                           |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |   |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                 |                      |                      |                      |                      |  |                                |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |                             |                      |                      |                      |                      |  |                                     |                      |                      |                      |                      |  |                               |                      |                      |                      |                      |  |                                  |                      |                      |                      |                      |  |  |                      |                      |                      |                      |  |                              |                      |                      |                      |                      |  |

User then fills in the details for the record

| Home   | Inventory List                     | Add Artist             | Add Album               | -Management Console-     |  |       |               |               |          |           |                              |                                    |                        |                         |                          |  |
|--|------------------------------------|------------------------|-------------------------|--------------------------|--|-------|---------------|---------------|----------|-----------|------------------------------|------------------------------------|------------------------|-------------------------|--------------------------|--|
| <table border="1"> <tr> <th>Artist</th> <th>Album</th> <th>Buy Price (£)</th> <th>Sell Price(£)</th> <th>Quantity</th> <th>Add Stock</th> </tr> <tr> <td><input type="text"/> Placebo</td> <td><input type="text"/> Greatest Hits</td> <td><input type="text"/> 5</td> <td><input type="text"/> 12</td> <td><input type="text"/> 100</td> <td><input type="button" value="Add Stock"/></td> </tr> </table> |                                    |                        |                         |                          | Artist                                   | Album | Buy Price (£) | Sell Price(£) | Quantity | Add Stock | <input type="text"/> Placebo | <input type="text"/> Greatest Hits | <input type="text"/> 5 | <input type="text"/> 12 | <input type="text"/> 100 | <input type="button" value="Add Stock"/> |
| Artist   | Album                              | Buy Price (£)          | Sell Price(£)           | Quantity                 | Add Stock                                |       |               |               |          |           |                              |                                    |                        |                         |                          |  |
| <input type="text"/> Placebo   | <input type="text"/> Greatest Hits | <input type="text"/> 5 | <input type="text"/> 12 | <input type="text"/> 100 | <input type="button" value="Add Stock"/> |       |               |               |          |           |                              |                                    |                        |                         |                          |  |
| Note: You must add a new artist before adding their album to database  |                                    |                        |                         |                          |  |       |               |               |          |           |                              |                                    |                        |                         |                          |  |

User clicks the add stock button, gets returned to the inventory list and the new data is present at the bottom of the list

| <a href="#">Home</a> | <a href="#">Inventory List</a> | <a href="#">Add Artist</a> | <a href="#">Add Album</a> | Management Console |                     |                            |     |                           |
|----------------------|--------------------------------|----------------------------|---------------------------|--------------------|---------------------|----------------------------|-----|---------------------------|
| Artist               | Album                          | In Stock                   | Buy Price (£)             | Sell Price (£)     | Profit per Sale (£) | Profit on Entire Stock (£) |     |                           |
| Device               | Device                         | 24                         | High Stock                | 6                  | 10                  | 4                          | 96  | <a href="#">Edit Menu</a> |
| Korn                 | The Serenity of Suffering      | 9                          | Low Stock                 | 8                  | 15                  | 7                          | 63  | <a href="#">Edit Menu</a> |
| Disturbed            | Immortalized                   | 17                         | Medium Stock              | 3                  | 5                   | 2                          | 34  | <a href="#">Edit Menu</a> |
| Royal Blood          | Royal Blood                    | 17                         | Medium Stock              | 6                  | 11                  | 5                          | 85  | <a href="#">Edit Menu</a> |
| Royal Blood          | How Did We Get So Dark         | 22                         | High Stock                | 8                  | 15                  | 7                          | 154 | <a href="#">Edit Menu</a> |
| 30 Seconds to Mars   | A Beautiful Lie                | 25                         | High Stock                | 4                  | 6                   | 2                          | 50  | <a href="#">Edit Menu</a> |
| 30 Seconds to Mars   | This is War                    | 13                         | Medium Stock              | 5                  | 8                   | 3                          | 39  | <a href="#">Edit Menu</a> |
| Airbourne            | Runnin Wild                    | 19                         | Medium Stock              | 3                  | 7                   | 4                          | 76  | <a href="#">Edit Menu</a> |
| Atreyu               | The Best of                    | 4                          | Low Stock                 | 5                  | 8                   | 3                          | 12  | <a href="#">Edit Menu</a> |
| Audioslave           | Audioslave                     | 11                         | Medium Stock              | 8                  | 15                  | 7                          | 77  | <a href="#">Edit Menu</a> |
| Metallica            | S & M 2 cd set                 | 27                         | High Stock                | 13                 | 25                  | 12                         | 324 | <a href="#">Edit Menu</a> |
| Metallica            | Death Magnetic                 | 16                         | Medium Stock              | 5                  | 9                   | 4                          | 64  | <a href="#">Edit Menu</a> |
| Metallica            | Ride the Lightning             | 13                         | Medium Stock              | 5                  | 9                   | 4                          | 52  | <a href="#">Edit Menu</a> |
| Nirvana              | Nevermind                      | 26                         | High Stock                | 3                  | 8                   | 5                          | 130 | <a href="#">Edit Menu</a> |
| Probot               | Probot                         | 15                         | Medium Stock              | 2                  | 6                   | 4                          | 60  | <a href="#">Edit Menu</a> |
| The Raconteurs       | Broken Boy Soldiers            | 14                         | Medium Stock              | 4                  | 7                   | 3                          | 42  | <a href="#">Edit Menu</a> |
| The Raconteurs       | Consolers of the Lonely        | 16                         | Medium Stock              | 3                  | 8                   | 5                          | 80  | <a href="#">Edit Menu</a> |
| Slipknot             | Iowa                           | 21                         | High Stock                | 2                  | 5                   | 3                          | 63  | <a href="#">Edit Menu</a> |
| Soundgarden          | Superunknowm                   | 17                         | Medium Stock              | 3                  | 11                  | 8                          | 136 | <a href="#">Edit Menu</a> |
| Twenty One Pilots    | Blurryface                     | 17                         | Medium Stock              | 4                  | 9                   | 5                          | 85  | <a href="#">Edit Menu</a> |
| Trivium              | Silence in the Snow            | 50                         | High Stock                | 7                  | 12                  | 5                          | 250 | <a href="#">Edit Menu</a> |
| Placebo              | Greatest Hits                  | 100                        | High Stock                | 5                  | 12                  | 7                          | 700 | <a href="#">Edit Menu</a> |

P. 15 Show the correct output of results and feedback to user. Take a screenshot of:

- The user requesting information or an action to be performed
- The user request being processed correctly and demonstrated in the program

User wants to see the data for the Trivium artist and album stock. From inventory list, the user clicks Album Info button to see relevant details

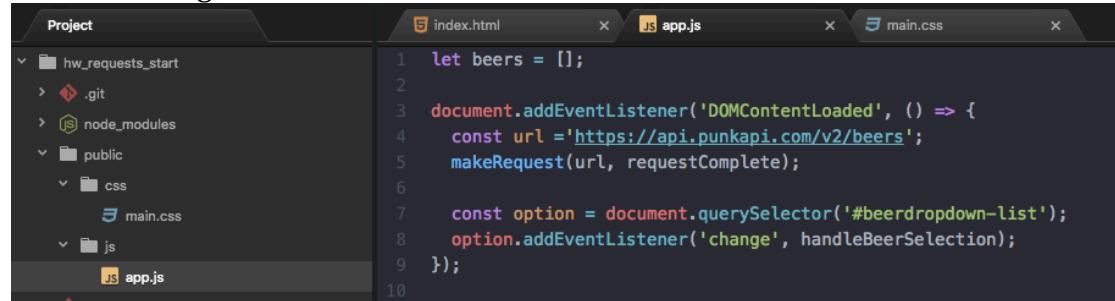
| <a href="#">Home</a> | <a href="#">Inventory List</a> | <a href="#">Add Artist</a> | <a href="#">Add Album</a> | -Management Console- |                |                     |                            |                           |  |
|----------------------|--------------------------------|----------------------------|---------------------------|----------------------|----------------|---------------------|----------------------------|---------------------------|--|
| Artist               | Album                          | In Stock                   |                           | Buy Price (£)        | Sell Price (£) | Profit per Sale (£) | Profit on Entire Stock (£) |                           |  |
| Trivium              | Silence in the Snow            | 15                         | Medium Stock              | 7                    | 12             | 5                   | 75                         | <a href="#">Edit Menu</a> |  |
| Device               | Device                         | 24                         | High Stock                | 6                    | 10             | 4                   | 96                         | <a href="#">Edit Menu</a> |  |
| Korn                 | The Serenity of Suffering      | 9                          | Low Stock                 | 8                    | 15             | 7                   | 63                         | <a href="#">Edit Menu</a> |  |
| Disturbed            | Immortalized                   | 17                         | Medium Stock              | 3                    | 5              | 2                   | 34                         | <a href="#">Edit Menu</a> |  |
| Royal Blood          | Royal Blood                    | 17                         | Medium Stock              | 6                    | 11             | 5                   | 85                         | <a href="#">Edit Menu</a> |  |
| Royal Blood          | How Did We Get So Dark         | 22                         | High Stock                | 8                    | 15             | 7                   | 154                        | <a href="#">Edit Menu</a> |  |
| 30 Seconds to Mars   | A Beautiful Lie                | 25                         | High Stock                | 4                    | 6              | 2                   | 50                         | <a href="#">Edit Menu</a> |  |
| 30 Seconds to Mars   | This is War                    | 13                         | Medium Stock              | 5                    | 8              | 3                   | 39                         | <a href="#">Edit Menu</a> |  |
| Airbourne            | Runnin Wild                    | 19                         | Medium Stock              | 3                    | 7              | 4                   | 76                         | <a href="#">Edit Menu</a> |  |
| Atreyu               | The Best of                    | 4                          | Low Stock                 | 5                    | 8              | 3                   | 12                         | <a href="#">Edit Menu</a> |  |
| Audioslave           | Audioslave                     | 11                         | Medium Stock              | 8                    | 15             | 7                   | 77                         | <a href="#">Edit Menu</a> |  |
| Metallica            | S & M 2 cd set                 | 27                         | High Stock                | 13                   | 25             | 12                  | 324                        | <a href="#">Edit Menu</a> |  |
| Metallica            | Death Magnetic                 | 16                         | Medium Stock              | 5                    | 9              | 4                   | 64                         | <a href="#">Edit Menu</a> |  |
| Metallica            | Ride the Lightning             | 13                         | Medium Stock              | 5                    | 9              | 4                   | 52                         | <a href="#">Edit Menu</a> |  |
| Nirvana              | Nevermind                      | 26                         | High Stock                | 3                    | 8              | 5                   | 130                        | <a href="#">Edit Menu</a> |  |
| Probot               | Probot                         | 15                         | Medium Stock              | 2                    | 6              | 4                   | 60                         | <a href="#">Edit Menu</a> |  |
| The Raconteurs       | Broken Boy Soldiers            | 14                         | Medium Stock              | 4                    | 7              | 3                   | 42                         | <a href="#">Edit Menu</a> |  |
| The Raconteurs       | Consolers of the Lonely        | 16                         | Medium Stock              | 3                    | 8              | 5                   | 80                         | <a href="#">Edit Menu</a> |  |
| Slipknot             | Iowa                           | 21                         | High Stock                | 2                    | 5              | 3                   | 63                         | <a href="#">Edit Menu</a> |  |
| Soundgarden          | Superunknown                   | 17                         | Medium Stock              | 3                    | 11             | 8                   | 136                        | <a href="#">Edit Menu</a> |  |
| Twenty One Pilots    | Blurryface                     | 17                         | Medium Stock              | 4                    | 9              | 5                   | 85                         | <a href="#">Edit Menu</a> |  |

| <a href="#">Home</a> | <a href="#">Inventory List</a> | <a href="#">Add Artist</a> | <a href="#">Add Album</a> | -Management Console- |                |                            |                              |
|----------------------|--------------------------------|----------------------------|---------------------------|----------------------|----------------|----------------------------|------------------------------|
| Artist               | Album                          | Quantity in Stock          |                           | Buy Price (£)        | Sell Price (£) |                            |                              |
| Trivium              | Silence in the Snow            | 15                         |                           | 7                    | 12             | <a href="#">Edit Album</a> | <a href="#">Delete Album</a> |

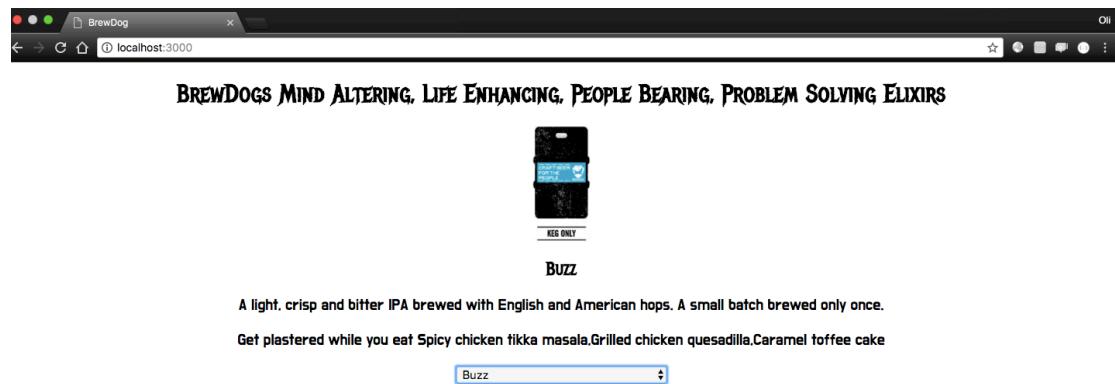
P. 16 Show an API being used within your program. Take a screenshot of:

- The code that uses or implements the API
- The API being used by the program whilst running



The screenshot shows a code editor with three tabs: index.html, app.js, and main.css. The Project sidebar on the left shows a file tree with hw\_requests\_start, .git, node\_modules, public (containing css and js), and app.js. The app.js tab contains the following code:

```
1 let beers = [];
2
3 document.addEventListener('DOMContentLoaded', () => {
4   const url = 'https://api.punkapi.com/v2/beers';
5   makeRequest(url, requestComplete);
6
7   const option = document.querySelector('#beerdropdown-list');
8   option.addEventListener('change', handleBeerSelection);
9 });
10
```



P. 17 Produce a bug tracking report

| Expected Result  | 1st Attempt |   | 2 <sup>nd</sup> Attempt |
|--|-------------|---|-------------------------|
| <b>Game Players must end there turn using the end turn button</b>  | Passed      |   |                         |
| <b>Game must skip turn of “dead” players</b>   | Failed      | Player status was not defined as truthy falsy. On certain conditions, player status had to be set to false to rule them out of the following turn and remain false  | Passed                  |
| <b>Game must determine winner depending on if all cards dealt or 3 out of 4 players are dead and finish game accordingly</b> | Failed      | Game kept handing out the optional “hidden card” if no cards were left in the deck so was failing to finish. Fixed by adding an IF statement to see was the hidden card already handed out and to act accordingly | Passed                  |

P. 18 Demonstrate testing in your program.

Take screenshots of:

Example of test code

```
card.rb
```

```
1 class Card
2   attr_reader :name, :value
3
4   def initialize(name, value)
5     @name = name
6     @value = value
7   end
8
9   def checkforAce(card)
10    if card.value == 1
11      return true
12    else
13      return false
14    end
15  end
16
17  def highest_card(card1,card2)
18    if card1.value > card2.value
19      return card1.name
20    else
21      return card2.name
22    end
23  end
24
25  def self.cards_total(cards)
26    total = 0
27    for card in cards
28      total += card.value
29    return "You have a total of" + total
30    end
31  end
32
33 end
34
```

The test code failing to pass

```
[→ pdatest ruby testing_task_2_spec.rb
testing_task_2_spec.rb:2:in `require_relative': /Users/cerberus/codeclan_work/We
ek_09/pdatest/testing_task_2.rb:20: syntax error, unexpected keyword_end, expect
ing end-of-input (SyntaxError)
      from testing_task_2_spec.rb:2:in `<main>'
→ pdatest ]
```

Example of the test code once errors have been corrected

```
testing_task_2_spec.rb ×

1 require ("minitest/autorun")
2 require_relative('testing_task_2.rb')
3 require_relative('card.rb')
4
5 class CardGameTest < MiniTest::Test
6   def setup
7     @card = Card.new("Ace", 1)
8     @card1 = Card.new("King", 10)
9     @card2 = Card.new("Eight", 8)
10   end
11
12
13 def test_checkForAce
14   result = @card.checkforAce(@card)
15   assert_equal(true, result)
16 end
17
18 def test_highest_card
19   result = @card.highest_card(@card, @card2)
20   assert_equal("Eight", result)
21 end
22
23 def test_cards_total
24   result = "You have a total of #{@card1.value + @card2.value + @card.value}"
25   assert_equal( "You have a total of 19", result)
26 end
27
28 end
29
```

The test code passing

```
[→ pdatest ruby testing_task_2_spec.rb
Run options: --seed 9208

# Running:

...
Finished in 0.001070s, 2803.7383 runs/s, 2803.7383 assertions/s.

3 runs, 3 assertions, 0 failures, 0 errors, 0 skips
→ pdatest ]
```