

**Claire Connachan**  
**CodeClan Cohort - E20**

**Evidence for Project Unit**

**P1 - Take a screenshot of the contributor's page on GitHub from your group project to show the team you worked with.**

Contributions to master, excluding merge commits



**P2 - Take a screenshot of the project brief from your group project.**

## Castle Finder!

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A custom MVP to adapt the store finder app project to use maps to find the nearest castle for the user with an extension of adding education information.

### MVP

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- Search by town, postcode or street name.
- A list of castles and the details of the castles initially stored in a seeds file and loaded to a MongoDB database.
- A map marking the castles.

### Extensions

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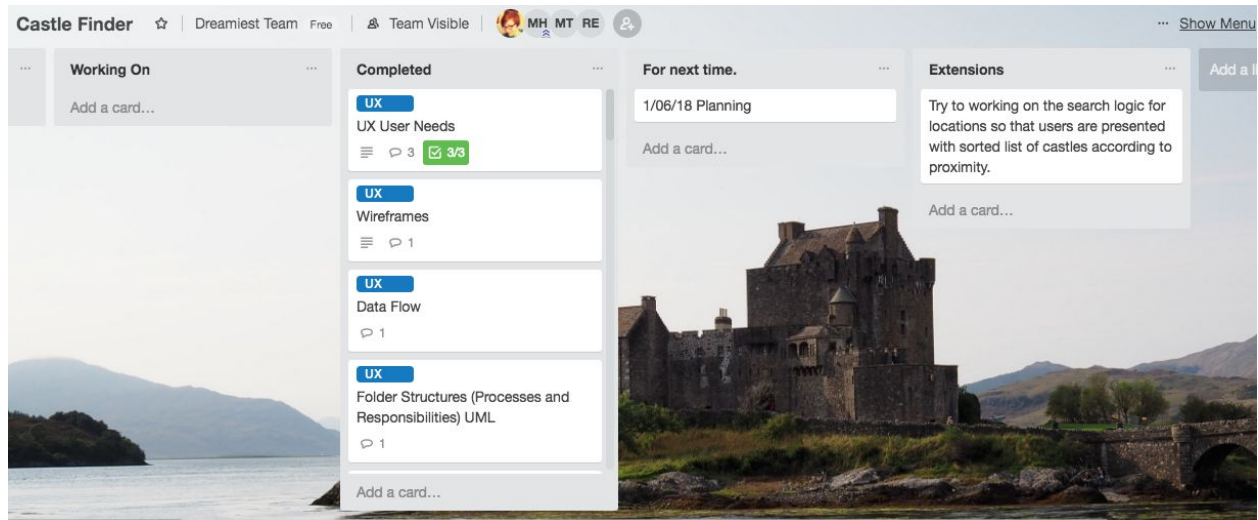
- Additional information for the castles
- Days by horse.
- Gamify the web app to include quizzes.

### Useful Links

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- [Trello](#)
- [Leaflet JS](#)

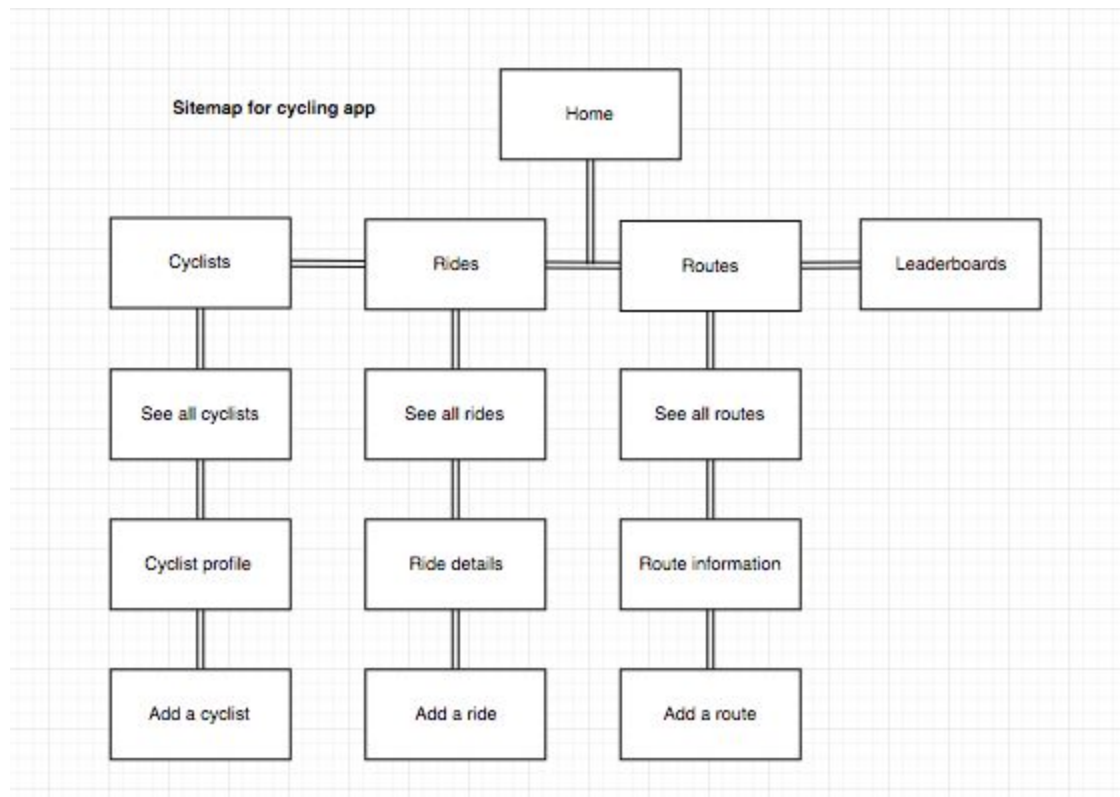
**P3 - Provide a screenshot of the planning you completed during your group project, eg Trello MoSCoW board.**



**P4 - Write an acceptance criteria and test plan.**

<b>Acceptance Criteria</b>	<b>Expected Result/Output</b>	<b>Pass/Fail</b>
Knight can use shield	Game class uses roll dice method on the Knight object, damage taken is 50% reduced due to use of shield.	Pass
Knight can collect treasure	Knight object calls addToInventory method and passes in treasure object. Treasure object is added to the knight's inventory property.	Pass
Knight can get value of treasure	Knight object calls getTotalTreasureValue method to return the total value of all treasure items in the inventory.	Pass
Knight can fight monsters.	Room object calls heroesFightMonster method, Knight object calls standandMove method on the monster. Either the Knight or monster will receive health point damage.	Pass
Knight can be healed	Cleric object calls beHealed method and passes in the Knight. Knight object's health points are increased.	Pass

## P5 - Create a user sitemap.



## P6 - Produce at least two wireframe designs

ROUTE PROFILE

~~BIKED~~ ~~All Cyclists~~ ~~All Routes~~ ~~All Rides~~

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ROUTE TITLE

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

LEADERBOARD TOP 3

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- Fastest ✓
- Most leisurely ✓
- Total no of cyclists ✓

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CYCLIST PROFILE

~~BIKED~~ ~~All Cyclists~~ ~~All Routes~~ ~~All Rides~~

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CYCLIST NAME

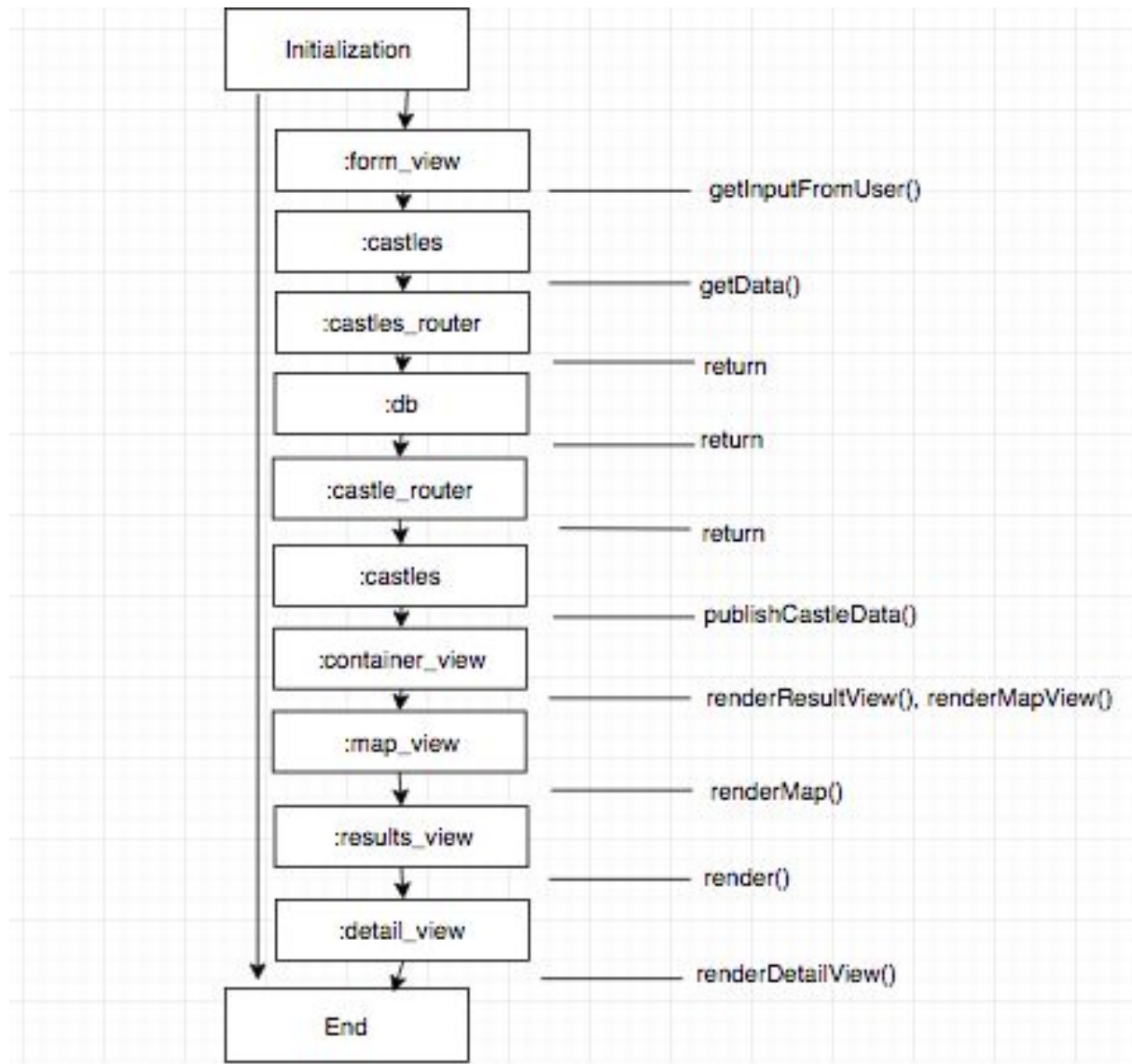
☒ \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

KEY STATS

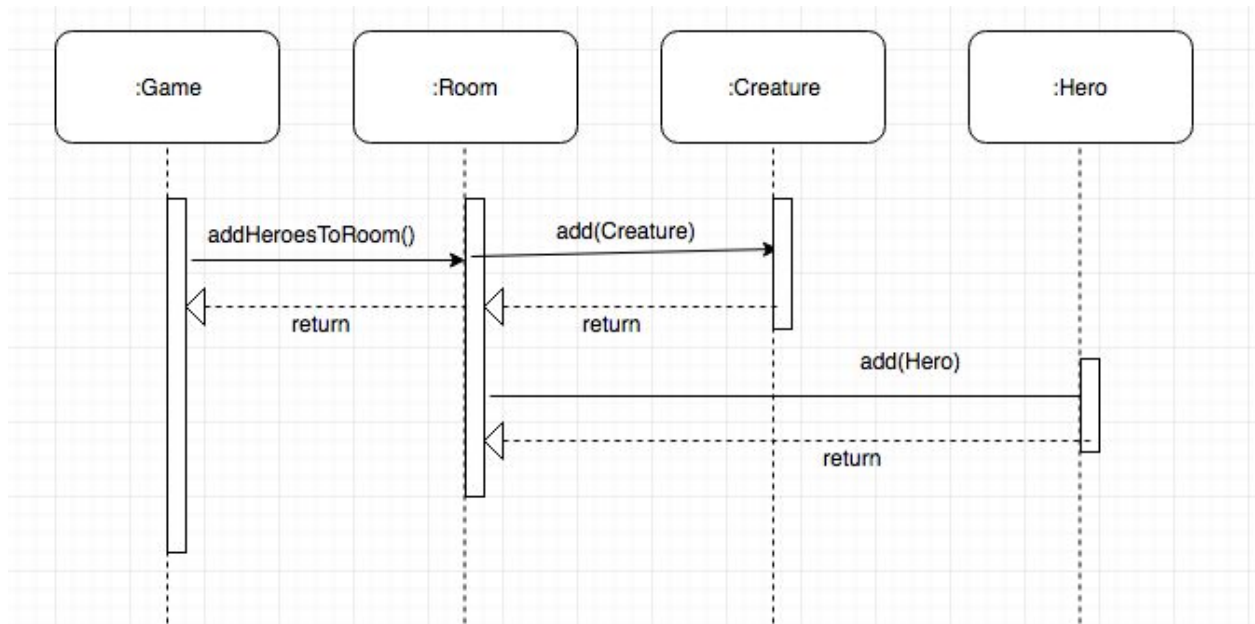
- Total miles ✓
- Total elevation ✓
- Total cycles ✓
- Routes cycled ✓

**P7 - Week 14 Produce two system interaction diagrams (sequence and/or collaboration diagrams)**

Collaboration diagram: display castles from db

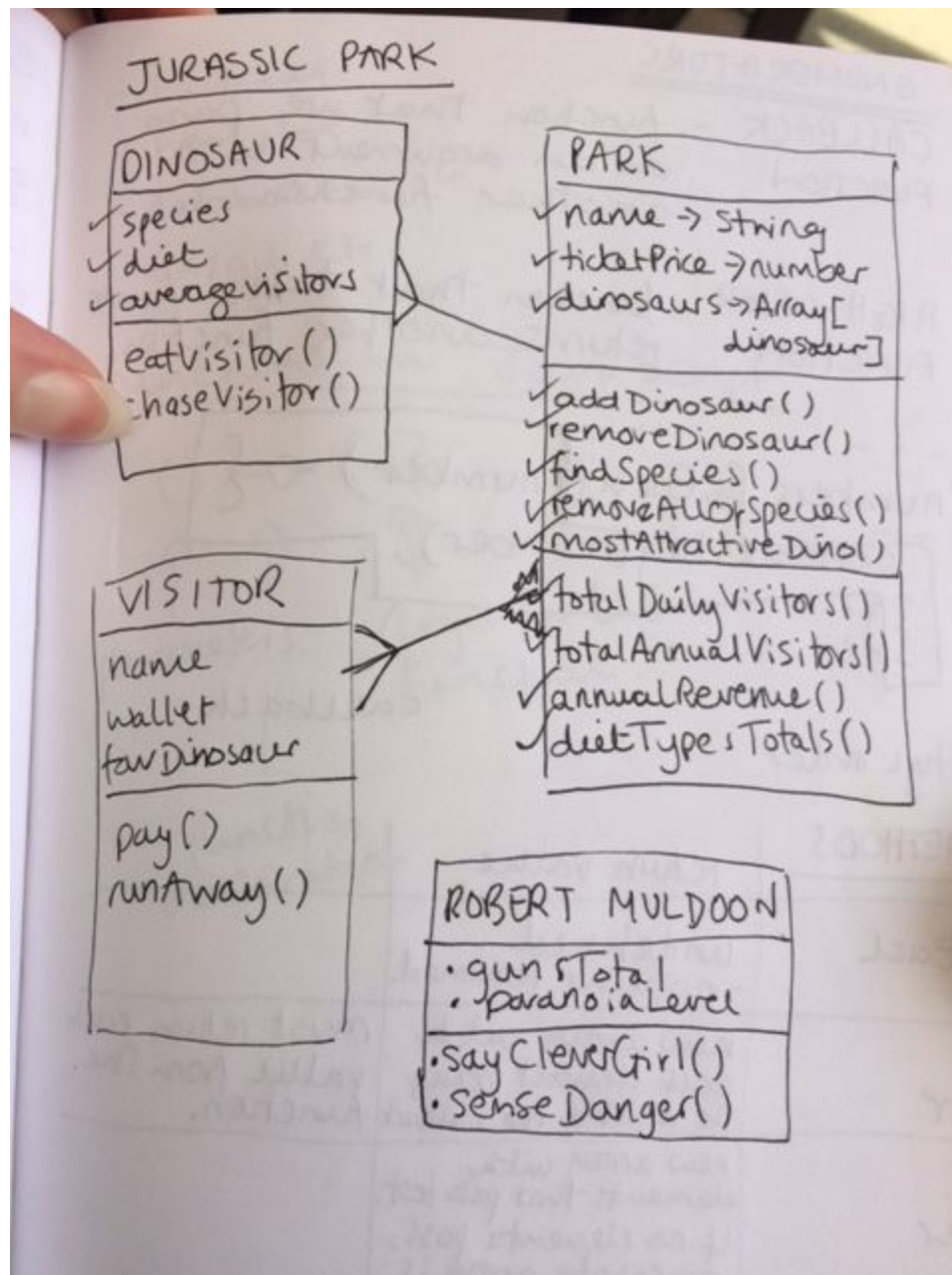


Interaction diagram: creating new room of character objects





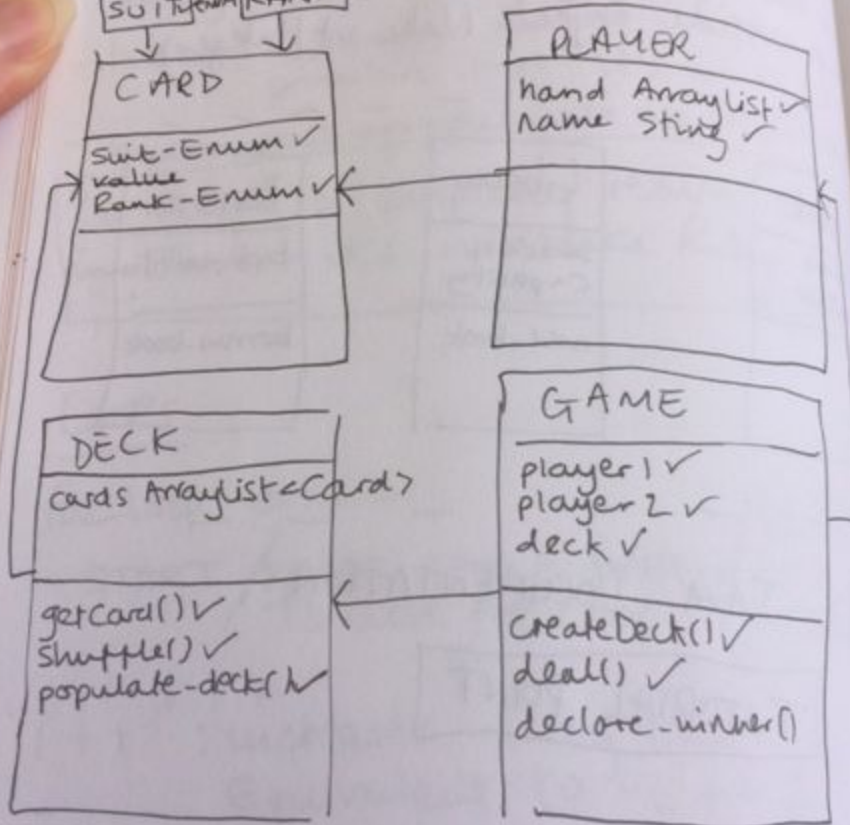
## P8 - Week 14 Produce two object diagrams



# CARD GAME LAB

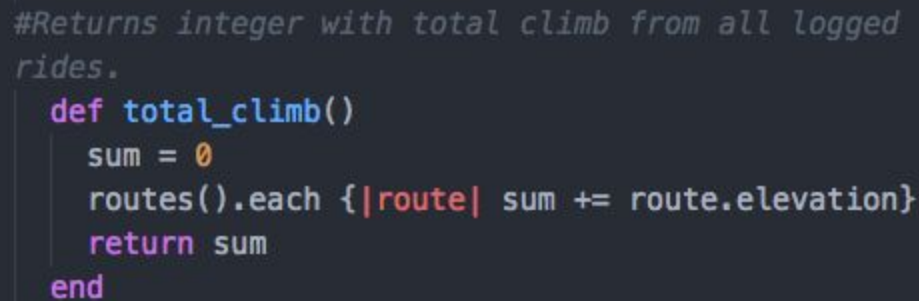
ENUM - SUIT  
ENUM - VALUE (TWO (2))

SUIT ENUM RANK ENUM



**P9 - Select two algorithms you have written (not group project). Take a screenshot of each and a short statement on why you have chosen to use those algorithms.**

**Example 1:**

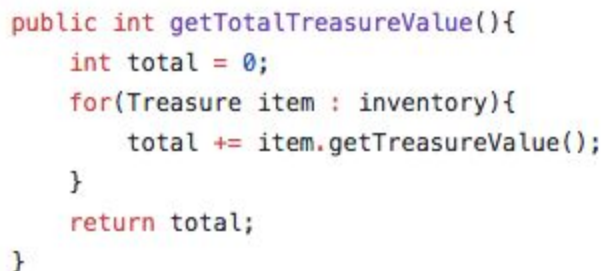
A screenshot of a code editor showing a Ruby function. The code is as follows:

```
#Returns integer with total climb from all logged rides.  
def total_climb()  
  sum = 0  
  routes().each {|route| sum += route.elevation}  
  return sum  
end
```

The code is color-coded: comments are grey, keywords are purple, variables are orange, and literals are red.

This Ruby function loops over all route objects in an array. For each route, it finds the elevation and adds the value to the sum. I chose this algorithm as it is efficient and human readable.

**Example 2:**

A screenshot of a code editor showing a Java function. The code is as follows:

```
public int getTotalTreasureValue(){  
    int total = 0;  
    for(Treasure item : inventory){  
        total += item.getTreasureValue();  
    }  
    return total;  
}
```

The code is color-coded: keywords are purple, variables are orange, and literals are red.

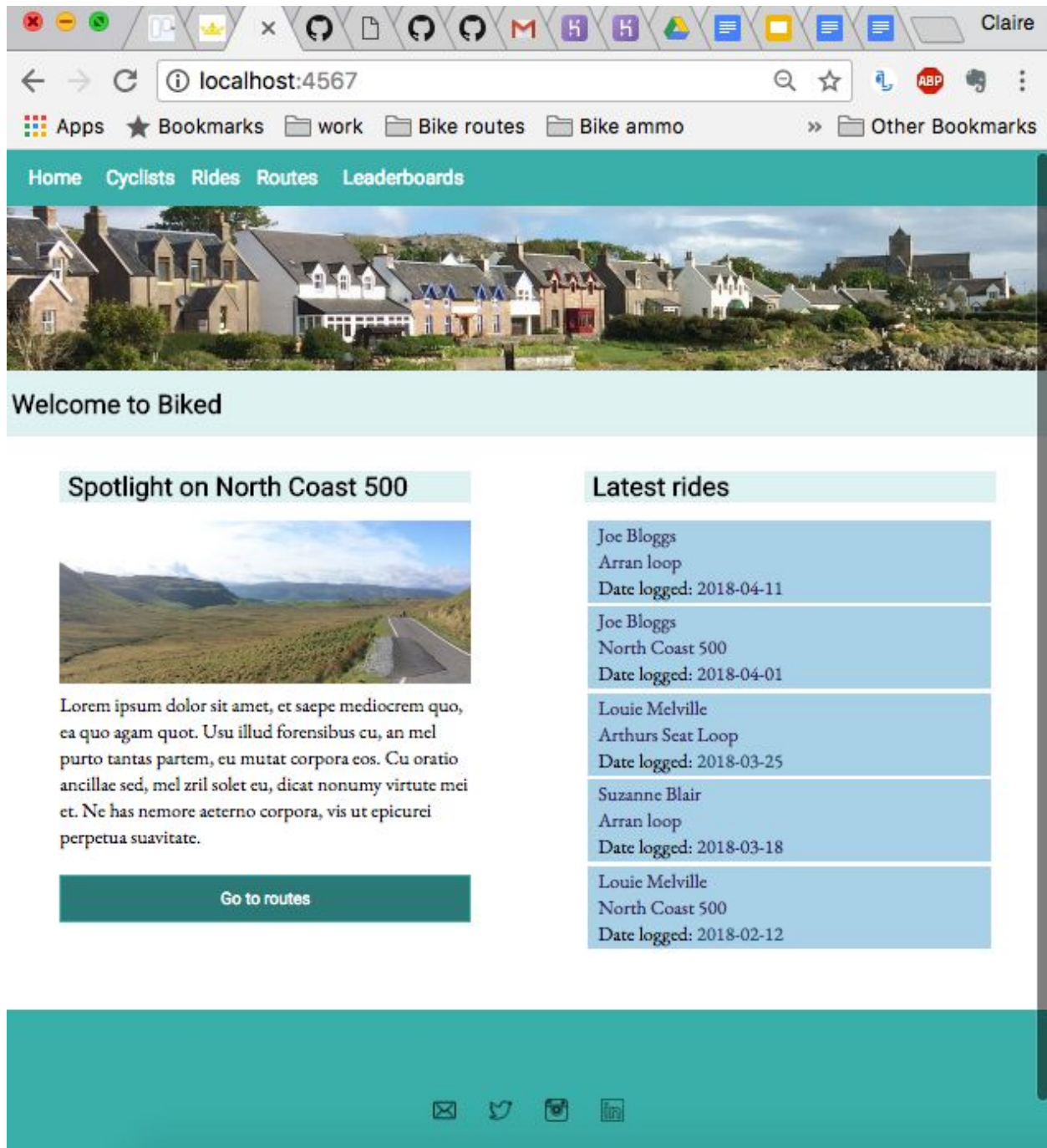
This Java function loops over an inventory array that contains treasure items. For each treasure item, it accesses its value using the getTreasureValue() method. This is then added to the total variable. I chose this algorithm as it is efficient and human readable.

**P10 - Take a screenshot of an example of pseudocode for a function.**

```
def total_climb()  
#A method to count the total elvation of all routes  
a cyclist has logged.  
#create a sum variable set to zero.  
#Return all the routes the cyclist has done by  
calling the routes() method.  
#Loop over this array and, for each route, get the  
elevation and add it to the sum variable.  
#Return the total sum of elevation via sum variable.  
end
```

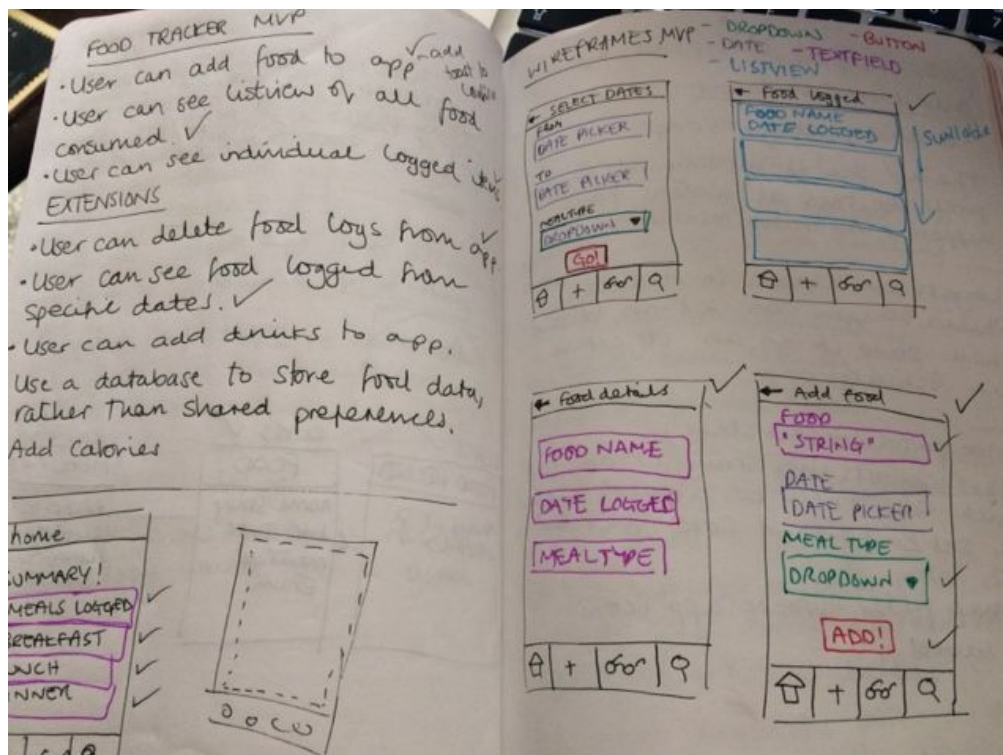
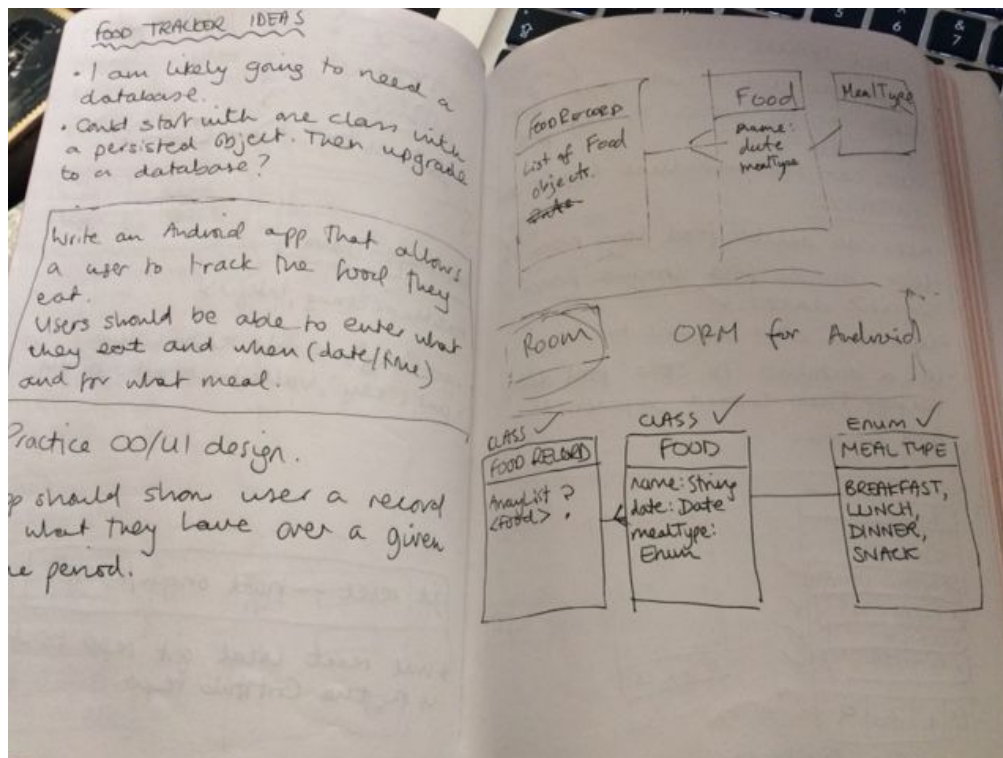
**P11 - Take a screenshot of one of your projects where you worked alone and attach the GitHub link.**

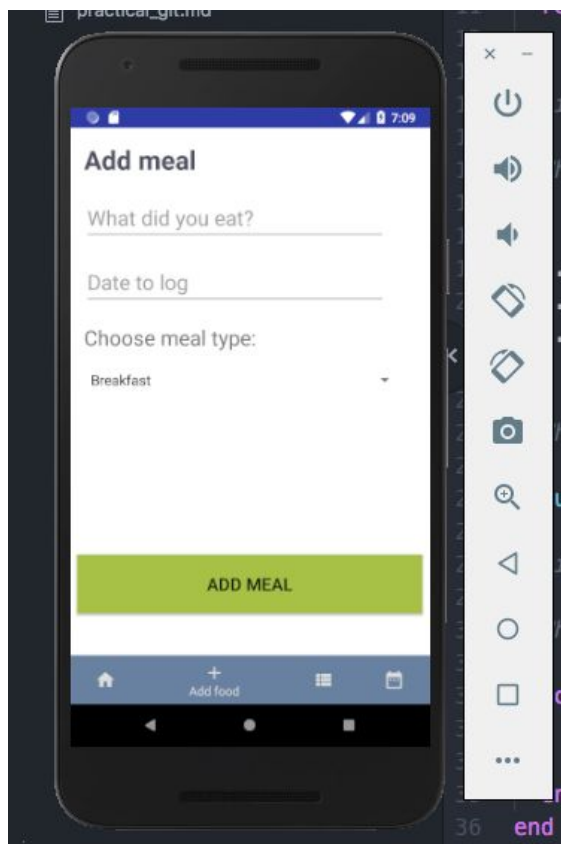
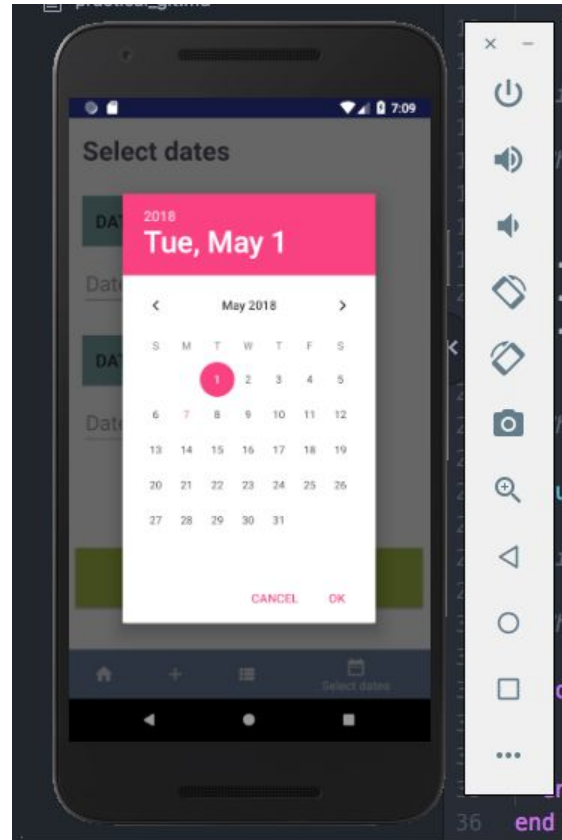
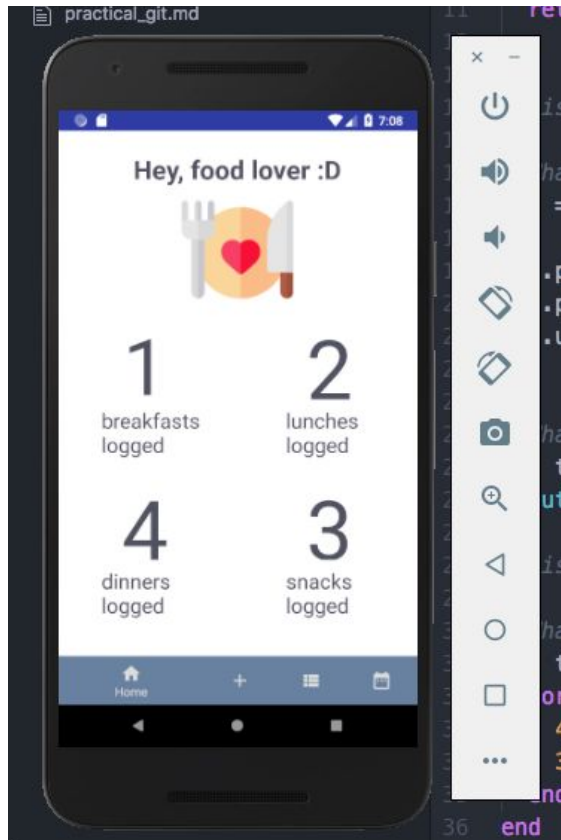
GitHub link: [https://github.com/claire-c/cc\\_wk5\\_cycling\\_project](https://github.com/claire-c/cc_wk5_cycling_project)





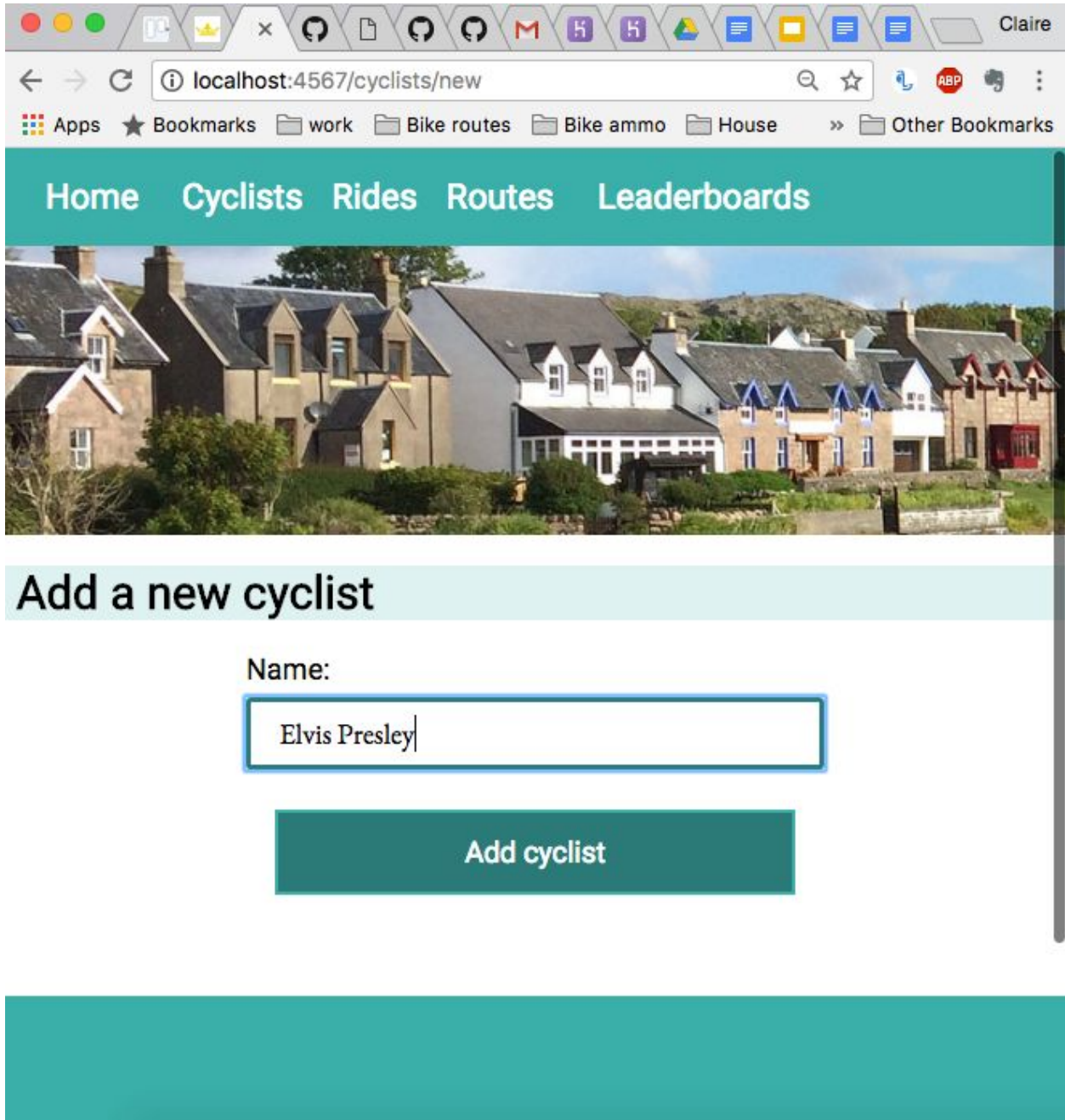
**P12 - Take screenshots or photos of your planning and the different states of development to show changes.**





### P13 - Show user input being processed to design requirements.

User inputs new cyclist record into the database:



The screenshot shows a web browser window with the address bar displaying `localhost:4567/cyclists/new`. The browser's toolbar includes various icons and a search bar. Below the toolbar, there is a navigation bar with links: [Home](#), [Cyclists](#), [Rides](#), [Routes](#), and [Leaderboards](#). The main content area features a large image of a row of houses. Below the image, there is a section titled "Add a new cyclist" with a form. The form has a label "Name:" followed by a text input field containing the text "Elvis Presley". Below the input field is a green button labeled "Add cyclist".

localhost:4567/cyclists/new

Home Cyclists Rides Routes Leaderboards

Add a new cyclist

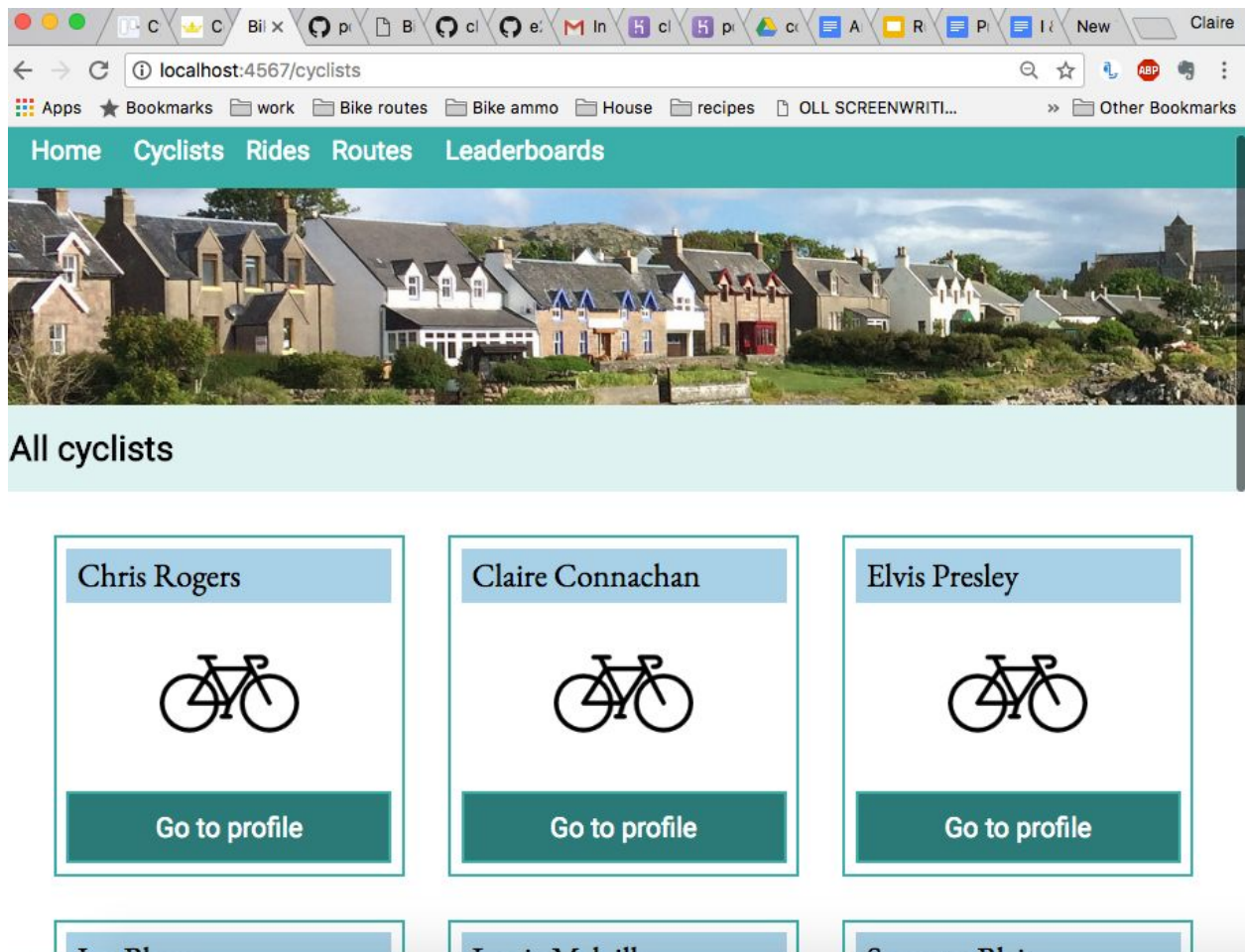
Name:

Elvis Presley

Add cyclist

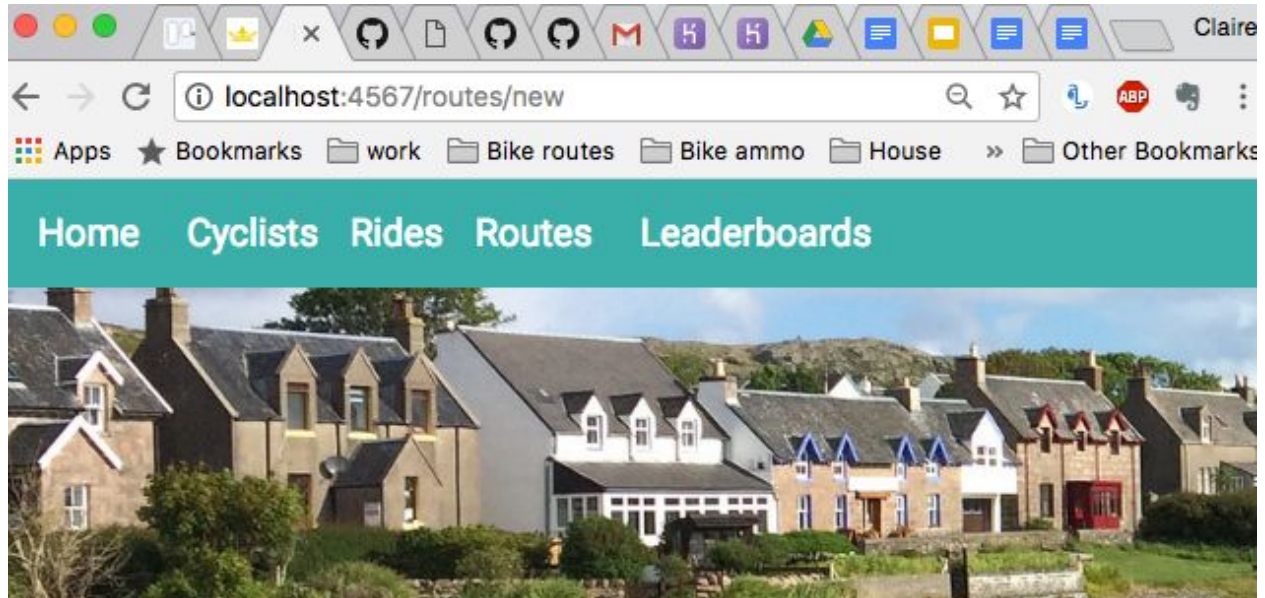


New cyclist record is saved and added to the list of all cyclists. It can now be accessed and rides logged against it:



## P14 - Show an interaction with data persistence

User inputs new route to database:



### Add a new route

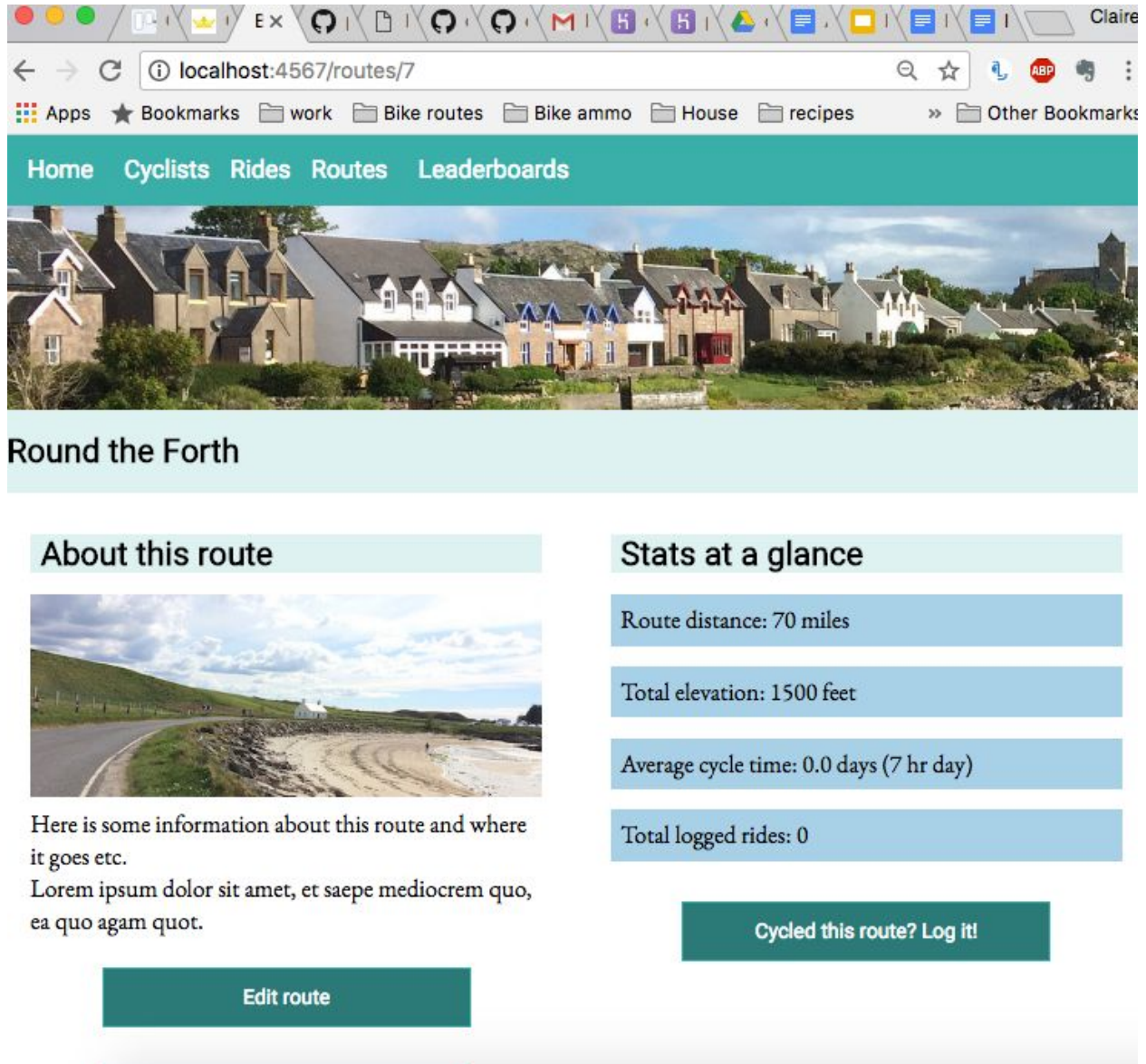
Title:

Distance:

Elevation:

Add route

Route saved to database and is confirmed saved by accessing via website:



The screenshot shows a web browser window with the address bar displaying 'localhost:4567/routes/7'. The browser's bookmark bar includes 'Apps', 'Bookmarks', 'work', 'Bike routes', 'Bike ammo', 'House', 'recipes', and 'Other Bookmarks'. The website has a teal navigation bar with links for 'Home', 'Cyclists', 'Rides', 'Routes', and 'Leaderboards'. Below the navigation bar is a large banner image of a coastal town. The main heading is 'Round the Forth'. The page is divided into two columns. The left column, titled 'About this route', features a landscape image of a coastal road and a text block stating: 'Here is some information about this route and where it goes etc. Lorem ipsum dolor sit amet, et saepe mediocrem quo, ea quo agam quot.' Below this text is a teal button labeled 'Edit route'. The right column, titled 'Stats at a glance', contains four light blue boxes with the following information: 'Route distance: 70 miles', 'Total elevation: 1500 feet', 'Average cycle time: 0.0 days (7 hr day)', and 'Total logged rides: 0'. At the bottom of the right column is a teal button labeled 'Cycled this route? Log it!'.


localhost:4567/routes/7

Apps Bookmarks work Bike routes Bike ammo House recipes Other Bookmarks

Home Cyclists Rides Routes Leaderboards

## Round the Forth

### About this route



Here is some information about this route and where it goes etc.  
Lorem ipsum dolor sit amet, et saepe mediocrem quo, ea quo agam quot.

Edit route

### Stats at a glance

Route distance: 70 miles

Total elevation: 1500 feet

Average cycle time: 0.0 days (7 hr day)

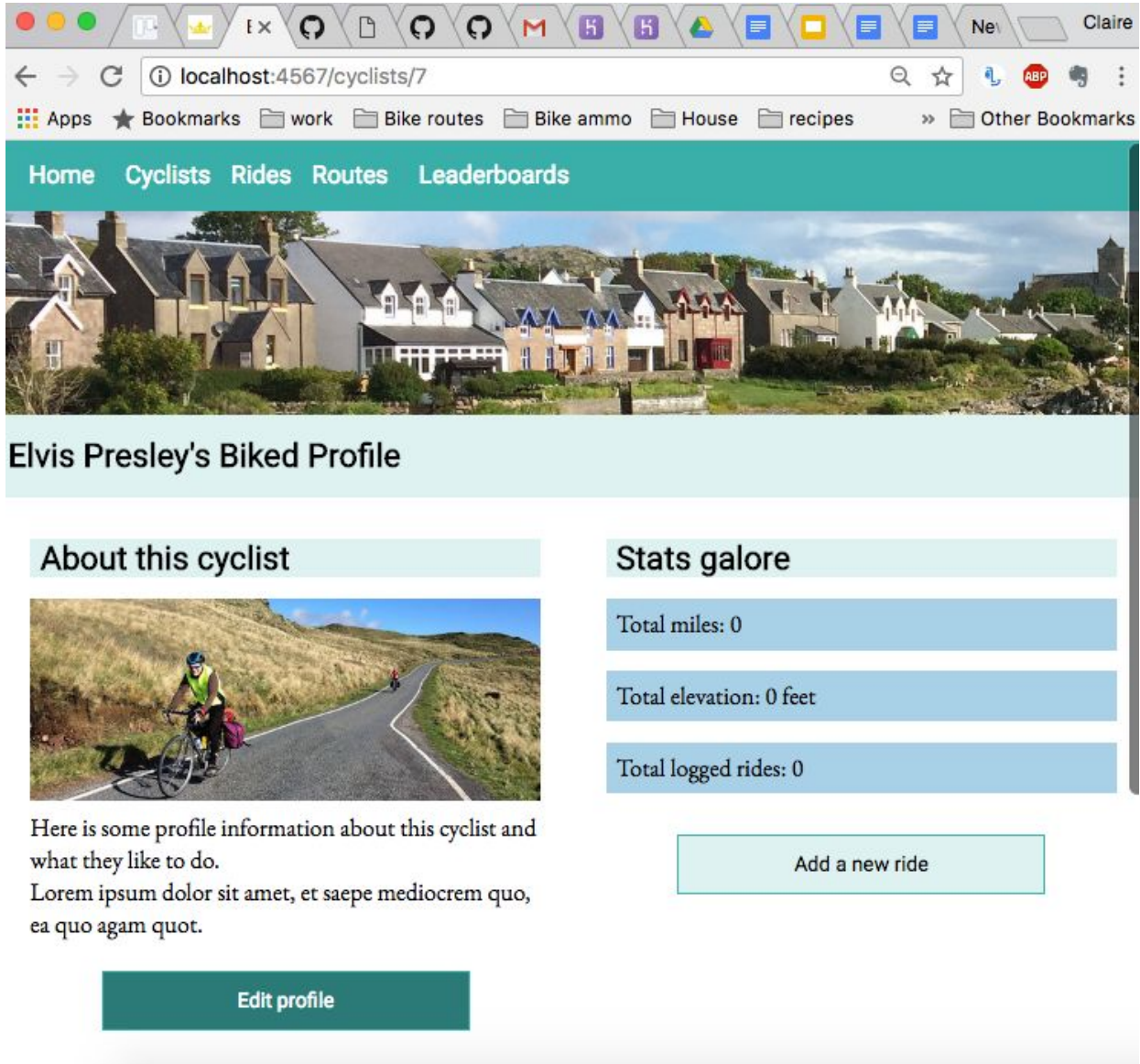
Total logged rides: 0

Cycled this route? Log it!



## P15 - Show the correct output of results and feedback to user.

1. User requests to add a new ride to cyclist profile:




The screenshot shows a web browser window with the address bar displaying `localhost:4567/cyclists/7`. The browser's bookmark bar includes 'Apps', 'Bookmarks', 'work', 'Bike routes', 'Bike ammo', 'House', 'recipes', and 'Other Bookmarks'. The website has a teal navigation bar with links for 'Home', 'Cyclists', 'Rides', 'Routes', and 'Leaderboards'. Below the navigation bar is a large banner image of a row of stone houses. The main heading is 'Elvis Presley's Biked Profile'.

The profile is divided into two columns. The left column, titled 'About this cyclist', features a photo of a cyclist on a road bike and a paragraph of placeholder text: 'Here is some profile information about this cyclist and what they like to do. Lorem ipsum dolor sit amet, et saepe mediocrem quo, ea quo agam quot.' Below this is a teal 'Edit profile' button. The right column, titled 'Stats galore', contains three light blue bars showing 'Total miles: 0', 'Total elevation: 0 feet', and 'Total logged rides: 0'. At the bottom of the right column is a light blue 'Add a new ride' button.

**Home** Cyclists Rides Routes Leaderboards

### Elvis Presley's Biked Profile

#### About this cyclist



Here is some profile information about this cyclist and what they like to do.  
Lorem ipsum dolor sit amet, et saepe mediocrem quo, ea quo agam quot.

**Edit profile**

#### Stats galore

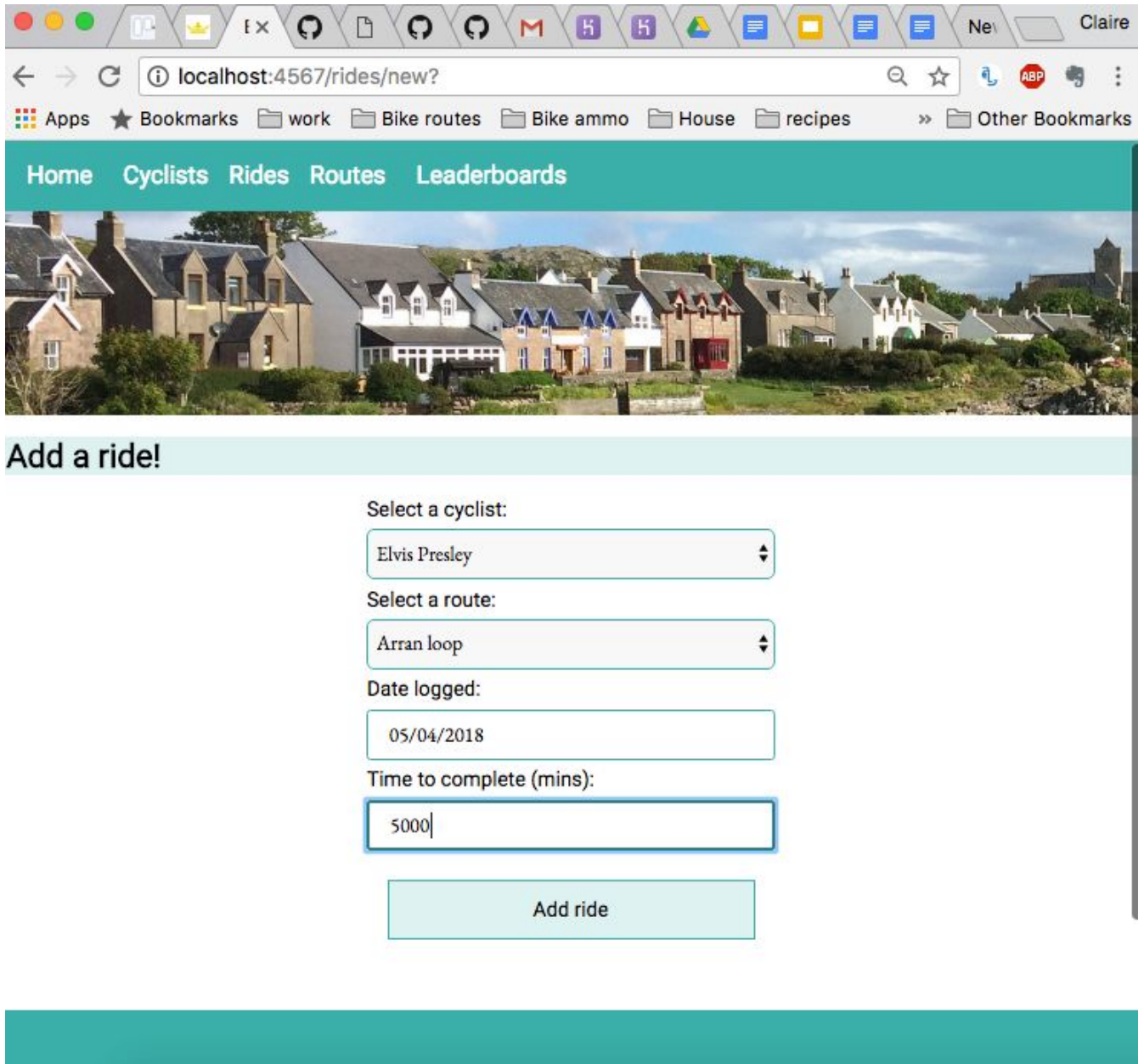
Total miles: 0

Total elevation: 0 feet

Total logged rides: 0

**Add a new ride**

2. User taken to “add new ride page”, where they input details of ride they wish to log:



The screenshot shows a web browser window with the address bar displaying `localhost:4567/rides/new?`. The browser's bookmark bar includes 'Apps', 'Bookmarks', 'work', 'Bike routes', 'Bike ammo', 'House', 'recipes', and 'Other Bookmarks'. The application's navigation menu at the top contains 'Home', 'Cyclists', 'Rides', 'Routes', and 'Leaderboards'. Below the menu is a banner image of a row of stone houses. The main heading is 'Add a ride!'. The form contains the following fields:

- Select a cyclist:** A dropdown menu with 'Elvis Presley' selected.
- Select a route:** A dropdown menu with 'Arran loop' selected.
- Date logged:** A text input field containing '05/04/2018'.
- Time to complete (mins):** A text input field containing '5000'.


At the bottom of the form is a light blue button labeled 'Add ride'.

3. Logged ride is added to the database and cyclist profile updated to show ride data and associated statistics:

localhost:4567/cyclists/7


Apps ★ Bookmarks work Bike routes Bike ammo House recipes >> Other Bookmarks

Home Cyclists Rides Routes Leaderboards



Elvis Presley's Biked Profile

About this cyclist



Here is some profile information about this cyclist and what they like to do.

Lorem ipsum dolor sit amet, et saepe mediocrem quo, ea quo agam quot.

Edit profile

Stats galore

Total miles: 60

Total elevation: 3500 feet

Total logged rides: 1

Add a new ride

## P16 Week 12 - Show an API being used within your program.

API request:

```
FilmData.prototype.loadFilms = function () {  
  //returns an array of Studio Ghibli film objects.  
  const request = new Request("https://ghibliapi.herokuapp.com/films");  
  
  request.get((data) => {  
    this.films = data;  
    PubSub.publish("FilmData:films-loaded", this.films);  
  });  
};
```

Rendered in browser:

### Studio Ghibli Movies

Choose how to sort the films ▾

Submit

Get a random film

#### Castle in the Sky

Released in 1986.

Rotten Tomatoes Score: 95

The orphan Sheeta inherited a mysterious crystal that links her to the mythical sky-kingdom of Laputa. With the help of resourceful Pazu and a rollicking band of sky pirates, she makes her way to the ruins of the once-great civilization. Sheeta and Pazu must outwit the evil Muska, who plans to use Laputa's science to make himself ruler of the world.

#### Grave of the Fireflies

Released in 1988.

Rotten Tomatoes Score: 97

In the latter part of World War II, a boy and his sister, orphaned when their mother is killed in the firebombing of Tokyo, are left to survive on their own in what remains of civilian life in Japan. The plot follows this boy and his sister as they do their best to survive in the Japanese countryside, battling hunger, prejudice, and pride in their own quiet, personal battle.

**P17 Produce a bug tracking report.**

**BUG TRACKING REPORT:**

<b>Knight's shield reduces damage by half</b>	<b>Pass</b>	<b>Knight can use signature move</b>	<b>Pass</b>
<b>Knight can add treasure to their inventory</b>	<b>Pass</b>	<b>Knight can get value of treasure in inventory</b>	<b>Pass</b>
<b>Knight can take damage</b>	<b>Pass</b>		

**P18 Week 11 - Demonstrate testing in your program.**

(see separate sheet with testing in the PDA repo - it's under 'static and dynamic testing' directory)