Week 2

**ARRAY**

**Description here**

**sum\_array is a method in class Array which goes in a loop through an array of numbers and add each number to the total. Total is 0 in the start,. Each time , it goes in a loop, it add each number to the total. The total would be 15 in this case.**

**Explanation**

**0+1 =1**

**1+2=3**

**3+3=6**

**6+4=10**

**10+5=15**

**HASH**

**pet\_shop is a hash, which has three keys:**

* **Pets with a value of an array (each object inside an array is again a hash with keys name, pet\_type, breed and price.)**
* **Admin with a value of a hash (which has keys total\_cash and pets\_sold with both values in integers)**
* **Name with a value (name of the pet\_shop which is a string)**

**the tests are looking for if pet\_shop has pets with breed "British Shorthair" and "Dalmation". The method going in a loop over a value of pets( which is an array) to find the breed of the pet in the pet\_shop. Total in an empty array in the start of the method and if the breed (which is "British Shorthair" and "Dalmation" in the case) matches the one provided in the hashes of an array value of pets in pet\_shop. Then add it to the Total and the test has a .count method on the method pets\_by\_breed method that in this case returns 2 as both pets are from the same breed ( "British Shorthair") and none from ("Dalmation" in this case)**

Week 3

**Description here**

**Above is the database sql tables include**

**Bikes and shops. Bike is referenced to shops by shop\_id . INSERT IN puts the information in for columns (name, sold, shop\_id) in bikes table and name in shops table.**

**Next UPDATE updates sets new information WHERE( in the given location) . DELETE camand deletes the whole row or the whole table if just the table name is given and no specific location.**

**SELECT lists the table in the terminal. It is like reading the table.**

**REFERNCING means one table ( like bikes in this case) is linked to other( shops in this case) by a foreign id (shop\_id ) which is similar to shop’s own primary id. This is how we can know which shop each bike locates.**

**The last commend SELECT \* FROM bikes ORDER BY name, sold; that sort data out by name (alphabetically) and sold status.**

Week4/5/6

**A USE CASE DIAGRAM**

**Description here**

**Steps**

* **user wants to check list of countries, so from home page she clicks on countries and that will show the list of countries.**
* **User wants to see the cities list, so she clicks on cities and goes to the list, that will show the cities list.**
* **User wants to edit/delete countries. She clicks on the countries in the nav bar that will take him to the countries list. In countries list, he clicks on the country he wants to edit/delete. That will take him to the next page which will have buttons edit and delete. Delete will delete the country directly and edit will take him to the next page where he can edit the information about that particular country.**
* **User wants to add cities to the list. She will go the cities in nav bar. That will take her to the list of cities. At the end of the list there is option of add city. That will take her to the form to city and its information. By clicking on save will add city to the list of cities.**

**A CLASS DIAGRAM**

**Description here**

**This is a class diagram I made for week 5 project. There are two classes with names Country and City. Country class has attributes name and id. Whereas City class has id, name, visit\_status(which is boolean), number of visits (which is an integer), country\_id (which is foreign id of Country) Through a method find\_country in city finds the country, the city belongs to. Through find\_cities method in country finds the list of cities country has.**

**AN OBJECT DIAGRAM**

**Description here**

**Edinburgh is the name of the object and is an object of a class city.**

**It’s id is 2,**

**Name is Edinburgh,**

**visit\_status is true means visited already,**

**number\_of\_visits 3**

**And country\_id is 3 which means it belongs to a country object Scotland.**

**Scotland object is an object of class Country.**

**Its id is 3 and name is Scotland.**

**USER SITE MAP**

**Description here**

**This is my project (week 5) main page. It has name “my travel journey”**

**It has a nav bar, which includes countries, cities, visited and not\_visited.**

**Countries has countries list. Countries list takes you to delete/ edit page and to Add country page.**

**Cities take you to the cities list. Cities list takes you to delete/ edit page and to Add cities page.**

**Visited takes you to the list of destinations visited and not\_visited will take you to the list of not visited page.**

**2 WIREFRAME DIAGRAMS**

**Description here**

**This is a wireframe diagram of my project main page. Which has a website name that is “My travel journey”**

**And a nav bar that has “ countries, cities, visited, and not\_visited.**

**Description here**

**This is a wireframe diagram of my project form page to add cities. Which has a website name that is “My travel journey”**

**And a nav bar that has “ countries, cities, visited, and not\_visited.**

**And a form to add a new city and its information.**

**Psoudocode**

**Description here**

**I have commented out what each step does . How in a for loop numbers go and add each number to the total and each time it goes in a loop the value of total changes.**

**USER INPUTING DATA**

**Description here**

**User first types the name of the city “Swansea”. She puts 1 in number of visits and put country Wales. At the end click on the add city button and that will add Swansea city to the list of cities in Wales.**

**Swansea is added to the list of cities in Wales.**

**Description here**

**Swansea city is add to list of cities in Wales, with visit\_status false (means not visited) number\_of visits is 1.**

**Description here**

**Here you can see Manchester has visited\_status true and number of visits 1. In the next screenshot of my project city is edited. In which visited\_status is false and number\_of\_visits are 6.**

**Description here**

**Here you can see Manchester is updated.**

**Description here**

**There are countries Ireland, Wales, Scotland, and England. I want to add another country France. In the next screenshot, in the form France is added.**

**Description here**

**France is added to the list of countries.**

**GITHUB PROJECT LINK**

<https://github.com/kiranqureshi1/week5_project_travel_server>

**Link of my project travel bucket list repository.**

**Description here**

**This is screenshot of my week 5 project Travel bucket list.**