

**Bachelors in Information Technology (C & N)**

**Subject Name: Software Engineering (CP2013)**

**Taught By: Dr. Liu Dasheng**

**Project Report on:**

**Zoo Management**

**By**

**Group Name: Roger That**

**Group Member:**

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**Mission Statement:**

The purpose of this project to provide a Zoo management system with the enhanced feature.

**Introduction:**

The Zoo management project is to let the zoo management keep there information about the zoo on the computerized system which is divided into two parts desktop application and a admin UI(CMS system). The website provide a zoo management system, which will have important data of the zoo such as, number of animals with names, number of cages with size and names, number of animals inside each cages, and location of cages this information can only be updated or deleted through the admin UI. Whereas on the desktop application we are planning to have push notification which will help the user to get the notify about the new update whereas the other feature are similar to admin UI and the main feature we will be having is assigning the person for error occurred.

**Task Description:**

|  |  |  |
| --- | --- | --- |
| Sr no | Name | Task |
| 1 | James Das | Documentation |
| 2 | Kevin Leslie | Developing a desktop application on C# platform |
| 3 | Nguyen Ha Bao Duy | Interface Designer |
| 4 | Pritam Soni | Server side coding on using PHP |
| 5 | Rushabh Padalia | Our Troubleshooting expert and doing the implementation of the php to the User interface design |

**About the admin UI:**

In the admin UI website we have created 2 main features which adare cage, animal.

**Cage:**

This function is very important because different animals live in different a cage, which includes size, different materials of cages, and so on. Inside this featurewe have created an Add, Delete, and update option.

* **Add:** This option provides a new cage to add with the cage type such as size. This can be done until and unless a new animal comes inside a cage.
* **Delete:** This option removes the existing cage and animal from the website application by selecting options that you want to delete it.
* **Update:** This option updates add and delete function and saves the data in our database.
* **Location:** This option is very useful, users can identify that, in which location all the animal has been placed.
* **Type:** This option provides the type of the cages, because different animal stays in different kind of cages. **For Example** Birds stays in a net, which is made of very thin kind of net cages, where as lion stays in a solid iron cage. This option will be very useful

**Animal:**

Inside this feature we have created animal type, add to cage, delete, and update options.

* **Animal type:** In this option it allows a new animal to add, by giving the animal names, age, and quantity. (Description of each animal).
* **Add to cage:** This option allows the animal to add inside the cage. We also have different cage type, because different types of animal stay in different cages.
* **Delete:** This option removes the number of animals from the cages.
* **Update:** this option updates all the data in the database.

In the cage and animal features it is also has the validation function. For example if a user does not select the size of the cage or type, then the error will be pop-up saying that **“Please give the size of the cage”.**

***Please check the prototype, which is attached in this project file***

**Entity Relationship Model:**

*(Please zoom in this chart to get a proper view)*



**Log Book:**

**Week 1**

**Tasks completed:**

* Deciding what features need to be added in the website.
* Created a prototype of the Zoo management web site

**Expected tasks completed by the next week:**

* Designing the Entity Relationship diagram – together
* Documentation needed to be done.

**Week 2**

**Tasks completed:**

* Completed the ERD diagram.

**Tasks not completed:**

* Designing the Database part to store all he information such as cage size, location and so on.

**Expected tasks completed by the next week:**

* Documentation needs to be done.
* Generating the code for the graphical user interface (GUI) for the number of cage to be added.
* Database needs to be created.
* Documentation needed to be done

**Week 3**

**Tasks completed:**

* Designed the interface part, which will provide the cage information by using C#.
* Generating the code for the graphical user interface (GUI)
* Create a database in phpmyadmin using MySQL for HTML.

**Expected tasks completed by next week:**

* Database is created but still need to be linked with the website.
* Generating the code for the graphical user interface (GUI) for the number of cage to be added.
* Design the main interface by using CSS
* PHP need to be done for the validation.
* Documentation needed to be done.

**Week 4**

**Tasks completed:**

* Database was tested to check whether all the information are stored in the database.

**Expected tasks completed by next week:**

* Test the database.
* Validation part need to fix by using PHP
* Design needed to be finish by using CSS.
* Documentation needs to be done.

**Week 5**

**Tasks completed:**

* Checked all the bugs and fixed it out.
* Checked the database.
* Design of the interface has been completed.
* Documentation of the website is completed.