computing project

**Create By:**

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Animal hospital management system

**Introduction:** I will create an Animal Hospital Management System.

Because Animal Hospital is currently putting all their information in a paper based rule. Due to this, many information is increasing risky and costly. In addition, the animal owners have problems during the apartment, either directly to the Animal Hospital or to the doctor. I will create this system for better preservation of information and better communication with doctors and owners.

To manage this system, admins will be able to monitor all admin panel data directly using email and password at any time. But there will be some limitation for doctors and animal owners or users. If the animal owners and doctors want to contact each other, both of them need to register and login. And if the animal owner is interested in meeting the doctor directly, he will be able to visit the doctor according to the schedule, filling in all the information correctly. Moreover, it will be possible to visit this site without login. Separate doctors will be appointed for each department. No doctor will be able to access this site without the admin's permission, if its owner wants to show it to their animal's symptom, they will be able to show it using the chatting app.

**Justification:** I will use Python 3.7 to create the Animal Hospital Management System. Also I have selected MySQL to store this system dynamically or properly and I will use scripting language Jquery as a library of JavaScript, bootstrap, html5, css3 and for user interface design. In my opinion, agile’s methodology DSDM framework will provide the best guidance for a short time and a small project. Also, to strengthen this system security and make it structurally robust, I would do very well with user authentication as I will use the DJANGO framework on this system.

* It will be much easier for the user to make appointments easily from anywhere in the world.
* Different doctors will be appointed for each department so that patients will get special benefits.
* The blog page of this system will contain content about various types of disease symptoms. By reading these, the user will be able to know about the origin and disease very easily.

**Description of process system:**

Animal Hospital is very popular here Animal owners come with different types of diseases every day. However, most of the time the animal owners face problem have to make an appointment with a doctor. The reason for this was to come only for booking the appointment, for the first time and for the second time the appointment was made with the doctor. Many times the staff failed to give the correct information to the animal owners. So the Animal Hospital authorities gave me the responsibility to solve the problem so that I could do all the activities on the digital system.

I will create this Animal Hospital Management System in a digital manner. There will be no problem so that users can make an appointment from anywhere. This method will have full control only for the admin. No person other than admin will be able to update and delete information and doctors will not be able to connect to this system without admin permission. Users will be able to easily visit this system as much information is required.

**Aims:** Since it is an animal hospital management system, its main aims is to make an appointment online from anywhere. And if the animal owner needs it on an emergency basis, he / she will be able to contact the doctor or admin using the chatting system.

**Objectives:** Objectivity is the way to reach a goal at the right time in the planning and strategic work of an objective. The following are the types of objects this system will be built with:

* Being able to book an appointment online from anywhere anytime is very easy.
* If the emergency is a problem then the instant chatting app will be able to contact the doctor or admin directly.
* The blog page will be written about various diseases, if any of the animal owners need to learn from it, and if you have to say anything, they can comment on the comment option, so the admin will help answer or with more resources to know about it.
* Admins will be able to easily update and delete appointments.
* User authentication for security will be given importance. User will not be able to login and register twice with username and email.

**Overview of system scope and architecture:**

This system will not only be able to access the admin panel other than admin. Only the admin will be able to verify and update all information. Since this is an Animal Hospital Management System, the doctor will need to give it a video call to see the Animal. But I am not able to make it so I will decide not to.

I will use the use-case class diagram to create the architecture of this system, so that the diagram illustrates how to extract data. Also for html5 css3 and javascript and backend for user interface design, I will use Python and its framework DJANGO, and MySQL for database will be better.

**Others key activates:**

**Initial study:** A preliminary study helps determine what kind of documents to prepare before starting a task. Through the initial study, I will visit an animal hospital for the new system I will create. After visiting there, I will identify potential problems with analysis. Then I'll solve the problems in the system I create.

**Feasibility study:** A feasibility study is an analysis that helps to accurately analyze the economic, technical, and legal and schedules to determine the probability of a project being successfully completed. Through the Feasibility Study, I assessed the economic potential of determining how much money it could cost to do this job. The technical possibility is to analyze why I would use this particular programming, what would be the benefit, and the legal possibility would be, what kind of problems would be encountered when creating this system and whether. I would be able to get this system working properly at the right time.

**Analysis:** Through analysis, I will choose which functional requirements of this system are most needed and which are the least needed. To use this system, I will use the case diagram so that a diagram of the system can be used to understand what this system might look like. So the analysis will help you understand the system better.

**Design:** I will discuss the design of this system in detail in the documentation. But now I will use the class diagram to give an idea of what kind of design the system will have and use html5 css3 and JavaScript for the user interface design. And use Python'sDJANGO framework to speed up the system and MYSQL for the database.

**Implementation:** Implementation is a way of converting strategies and plans into action. I will use the implementation method to understand how the system I create will work in the real situation. Following this procedure can be easily solved so as to ensure that the system works properly.

**Conclusion:**