



## Khidmat Proposal Form

### Section 1: Metadata

#### 1.1. Project Information

<b>Title:</b> Development of a Database Management System	
<b>Start:</b> June 2024	<b>End:</b> August 2024

#### 1.2. Student(s) Information

<b>Name:</b> Eman Fatima	<b>ID:</b> 08595
<b>Cell:</b> 0336-8903932	<b>Batch:</b> 2026
<b>Name:</b> Fakeha Faisal	<b>ID:</b> 08288
<b>Cell:</b> 0321-8776250	<b>Batch:</b> 2026
<b>Name:</b> Muhammad Ibad Nadeem	<b>ID:</b> 08440
<b>Cell:</b> 0305-2505689	<b>Batch:</b> 2026

#### 1.3. Client Information

<b>Organization Name:</b> The Paws Rescue	<b>Contact:</b> (+92) 330 2580030
<b>Address:</b> Next Street to Adam jee Coaching Center, Shahra-E- Ayesha, Faisal Cantonment, Karachi, Karachi City, Sindh	
<b>Supervisor:</b> Anum Rafiq / Ahmed Bilal	<b>Cell:</b> (+92) 3357466219
<b>Email:</b> info@thepawsrescue.com	



## **Section 2: The Project**

### **2.1. Project Description:**

A Shelter Management System (SMS) for *Paws Rescue* shelter will be an integrated software solution designed to streamline the operations of animal rescue and care facilities. This system encompasses various modules to handle critical aspects of shelter management, including treatment logs, monitoring, inventory management, and patient data. The goal of implementing the SMS is to enhance the efficiency, accuracy, and effectiveness of shelter operations, ensuring the well-being of the animals and the smooth functioning of the facility.

### **2.2. Expected Deliverables:**

Implementing a Shelter Management System (SMS) at *Paws Rescue* cat shelter is anticipated to bring about significant improvements in various aspects of shelter operations and animal care. The expected outcomes at the end of the project include the implementation of a Shelter Management System, to lead to substantial improvements in animal health and welfare, operational efficiency, resource management, and overall shelter effectiveness. These outcomes not only benefit the cats in care but also enhance the shelter's ability to fulfill its mission of rescuing, rehabilitating, and rehoming cats.

The following links are the working prototypes of the expected solutions along with its report.

[Cats Data](#)

[Transactions](#)

[Paw Rescue Dashboard](#)

### 2.3. Planned Schedule:

To develop and implement the Shelter Management System (SMS) at **Paws Rescue** here's a timeline for completing the project within three months starting from June,2024 to August,2024.

- **June: Planning and Requirement Gathering**

- Making initial screens and ERD
- Setting up MYSQL and making a dummy Database
- Establish Database Connectivity (consisting of dummy data) with Streamlit
- First Official Meeting between the stakeholders and developers to discuss the changes required in the screens and ERD

***Note:** Using dummy data to demonstrate how form functionalities in Streamlit would reflect changes in the SQL Server database*

- **July: Customization, Configuration, and Data Migration**

- Implementing changes to the screens and ERD as suggested after the meeting
- Creating a new Database with real data
- Establish Database Connectivity (consisting of real data) with Streamlit
- Discussing the progress with the stakeholders

- **August: Testing, Training, and Go-Live**

- Making final adjustments to the screens
- Ensuring the forms work as expected
- Getting everything checked by both the stakeholders and internal supervisor
- Conduct security checks with the internal supervisor's help
- Deploying the Database Online
- Training the stakeholders how to use the program

*Note that the above mentioned timeline is tentative and it may amend according to the requirements and availability of developers.*



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### 2.4. Modus Operandi:

The mode of operations can be both physical and online. Students can visit the site of **Paws Rescue**; whenever required and also can work remotely. The supervisor will remain connected with students via online means of communication and will foster the queries as per the need, a monthly or bi-monthly physical meeting will also be catered to review the progress.

### 2.5. Comments:

The students/project developers shall maintain the confidentiality of all sensitive information related to **Paws Rescue**, its operations, inventory and the cats in its care while or after the development and implementation of Shelter Management System (SMS).

*Eman*

*Fakeha*

*Ibad*

**Eman Fatima, Fakeha Faisal, Muhammad Ibad Nadeem**

Names and signatures of students

**Karachi, 20<sup>th</sup> May 2024**

Location and date

**Anum Rafiq**

Name and signature of external supervisor

**Karachi, 20<sup>th</sup> May 2024**

Location and date

**Professor Oasim Pasta**

Name and signature of internal supervisor

**Karachi, 20<sup>th</sup> May 2024**

Location and date