Software Engineering and Testing

Assessment 1: Project Proposal

Submitted by: Isabella Higgins B00162371, Likhitha Atmakuri B00165167, Sean Kelly B00147339

Submission date: 09/02/2025

Declaration

I herby certify that this material, which I now submit for assessment on the programme of study leading to the award of Ordinary Degree in Computing in the Institute of Technology Blanchardstown, is entirely my own work except where otherwise stated.

Author: Isabella Higgins   Dated: 09/02/2025

Author: Likhitha Atmakuri   Dated: 09/02/2025

Author: Sean Kelly   Dated: 09/02/2025

Title: Pawsible

Abstract

Pawsible aims to spread awareness of the issues related to shelters such as overcrowding by providing a safe and user-friendly platform where pet owners can list their pets for adoption and adopters can find the pet most suitable for them.

Introduction

Pawsible is a pet adoption website created to help pet owners who can no longer look after their pets due to personal circumstances aswell as help pet adopters find the perfect pet for them. Pawsible will be a user-friendly and safe website which spreads awareness of the issues relating to animal shelters.

Motivation

A lot of animals are left in shelters because of owners being unable to look after them, which has led to many problems. Overcrowding has caused shelters to become incredibly stressful environments for the animals. Pawsible hopes to spread awareness of these issues by providing an easily accessible and safe platform for adopting and rehoming pets.

Client

Pet Owners: People who are looking to rehome their pet due to personal circumstances. They can list their pet for adoption to ensure they find a suitable adopter.

Pet Adopter: People who are looking to adopt a pet. They can look at pets available and read through their descriptions to find the suitable pet for them.

The Project
The project definition:

- What is the project?
  - A pet adoption website for pet owners to connect with pet adopters.

- What will the end product do?
  - Pet owners will be able make an account and list their pets for adoption along with a description of their pet and needs. Pet adopters will be able to browse through the pets available.
- What are the main components of the software system?
  - Database: SQL datebase to store the user's profiles and pets.
  - Frontend: HTML, CSS and JavaScript will be used to create a user-friendly website.
  - Backend: PHP and SQL
- How will it be used?
  - Pet owners can create a profile to list their pet for adoption.
  - Pet adopters can create a profile to browse through pets.

Justification

Technical Requirements

Pawsible is built on a Client Server Database Model. It will use PHP and SQL for the backend web server and database to get user's data and to store it. HTML, CSS, and JS can be used for front end development of the website.