CEN4010 Principles of Software Engineering, Spring 2021

Dr. Shihong Huang

Group 1 - Team 0xCOFFEE

Due date: February 16, 2021

COURSE PROJECT MILESTONE 1

Team Project Proposal and High-Level Description

**Executive Summary**

**The Pet Park - so simple to use, your pets could use it themselves!**

With people spending more time at home, they are also spending more time on the internet. Two of the things that the internet is most well-known for are social media and pictures of cute animals. With the Pet Park, users experience the best of both worlds – an always positive social media experience and as many cute animal pictures as they would like to see.

This project is unique, as it will ensure only positive social media interactions – no dislikes or negativity. Users post pictures of their pets to share with other animal lowers. Other users will give pet pictures “treats” if they like them and have the option to leave positive comments, as well. There are no image filters, which means that users will see 100% authentic pictures. This sort of positivity and realism is what people need during times of uncertainty and Pet Park is the perfect “pick me up” for casual browsing.

The Pet Park is targeted to all age groups, as all content will be family friendly. If a user finds a picture they would like to share, they can share the Pet Park Post with their family and friends, which will help them stay connected. With the Pet Park, animal lovers of all ages will experience a walk in the park, while they remain safely at home.

**Competitive Analysis**



**Data Definition**



**Overview, Scenarios, and Use Cases**



* User takes a cute and/or amusing picture of their pet, which they would like to share with others
* They sign into their Pet Park account and select the option to post a picture
* The user identifies the pet(s) in the picture and applies dog tags to the picture (e.g. #fluffy)
* Once the user posts the picture, it is added to their profile with the pictures they have previously posted
* The picture is also posted to the Pet Park Feed – users scroll through the feed to view a continuous stream of pet pictures
* Users give treats to pictures that they like
* Users may also comment on pictures that they find appealing, allowing them to leave a friendly message for the pet owner
* If a user would like to share the link to a picture with someone else, they may do so easily

**High-Level Functional Requirements**



**Non-Functional Requirements**

**High-Level System Architecture**

**Team**

**Milestone 1 Checklist**

|  |  |  |
| --- | --- | --- |
| **Checklist Items** | **Done** | **On Track** |
| Team decided on basic means of communications | X | X |
| Team found a time slot to meet outside of the class | X | X |
| Front and back end team leads chosen | X | X |
| Github master chosen | X | X |
| Team ready and able to use the chosen back and front-end frameworks | X | X |
| Skills of each team member defined and known to all | X | X |
| Team lead ensured that all team members read the final M1 and agree/understand it before submission | X | X |