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TEMPETŪRS

VISION

VERSION 1.0

1. INTRODUCTION

The purpose of this document is to analyze, collect, and outline beginning requirements for the Tempetūrs online web application.

2. POSITIONING

2.1 PROBLEM STATEMENT

The problem of lacking infrastructure for matching pet sitters to pet owners efficiently and conveniently affects both parties by preventing sitters from easily fulfilling their needs. Willing sitters need a method to communicate to owners their desire for work. A successful solution would provide sitters and owners with a way of communicating their intentions and determining work based on pet preferences. It would allow owners to search, discuss with and select sitters based on their preferences and needs.

2.2 PRODUCT POSITION STATEMENT

This product is designed to allow pet sitters and owners to connect and set up job opportunities. Tempetūrs will allow for easily display of time openings, pet preferences, location and personality for sitters. It will also allow owners the ability to search sitters based upon their location, the pets they own, past hires and sitter ratings. Our app will even integrate Alexa to allow voice control to schedule a pet sitter. Tempetūrs offers quick matching or in-depth searches to find your perfect sitter or job. Users will love the easy, simple connections that many competitors fail to provide.

3. STAKEHOLDER AND USER DESCRIPTIONS

3.1 STAKEHOLDER SUMMARY

Stakeholder	Description	Responsibilities
Quarter Black consulting team	Development team composed of four members	designing, implementing, and testing the system; fulfilling project requirements
Mentors and instructor	Project management team	shaping project guidelines; defining and evaluating progress; ensuring the product meets standards
Tempetūrs management team (mentors)	Customer for whom software is being developed	defining requirements; evaluating the product to determine whether specifications are met

3.2 User Summary

User	Description	Responsibilities
Pet owner	User in search of a pet sitter	creating an account; keeping account information up to date; searching for a sitter; paying a sitter; rating a sitter
Pet sitter	User desiring to be hired as a pet sitter	creating an account; keeping account information up to date; providing availability; confirming a potential appointment; providing a method of payment

3.3 User Environment

Two individuals will be responsible for completing each pet sitting. The owner will be responsible for requesting to be matched with a sitter and confirming the match. Once matched with an owner, the sitter will be responsible for confirming the appointment.

The time required to schedule an appointment could vary depending on the method used. Using quick online search or Alexa may take 15 seconds. Searching for more specific needs could take up to 10 minutes. However, once an owner is matched to a sitter, all that remains is a simple mouse click. The sitter is then notified instantly, and the system waits for the sitter to confirm the appointment. Creating an account takes less than 5 minutes. Paying and rating a sitter takes no more than a minute.

The application will be used on a web browser connected to the Internet. The product will be a web application alone and will not include Android or iOS applications. However, it will be integrated with Amazon's Alexa voice service.

3.4 Key Stakeholder or User Needs

The contracting company has seen a rise in the use of and demand for pet sitting applications. Tempetūrs hopes to provide another option that implements the Alexa voice service and provides more options for owners of pets other than dogs.

3.5 Alternatives and Competition

Industry competitors include similar pet sitting applications such as Rover and DogVacay. Many of the applications available today seem to be geared specifically to dog owners, while Tempetūrs seeks to also serve customers who own other pets. No known competitors currently offer matching functionality.

4. Product Overview

4.1 Product Perspective

The application is an independent, self-contained product; i.e. it is not part of a larger system. However, it does interact with Amazon's Alexa voice service.

4.2 Assumptions and Dependencies

The application depends on the functionality of the supporting technologies, e.g. Amazon Alexa and Heroku.

5. Product Features

5.1 Account Registration

The user shall provide his or her personal information, user type (owner or sitter), and preferred login information. The system shall create a new account for the user with which to associate this information.

5.2 Login

The user shall enter the login information chosen upon registering to access the application.

5.3 User Profile

A user registered as a sitter shall complete a sitter profile by providing information on experience and availability. A user registered as an owner shall complete an owner profile by providing information on his or her pet and preferences. The system shall associate this profile with the user's account.

5.4 Sitter Matching

A user registered as an owner shall provide the dates on which he or she requires pet sitting services, along with other relevant information. The system shall compare this information and the user's owner profile to the sitter profiles to find the most suitable sitter. The system shall prompt the users to confirm the appointment.

5.5 Sitter Ratings and payment

After an appointment has been completed, the owner shall rate the sitter's quality of service. The system shall maintain the average rating for each sitter. The system shall display this average rating to an owner before he or she is prompted to confirm an appointment. The owner shall also verify that correct payment has been calculated and add any tip they would like to add. They will then complete the transaction and the sitter will be payed via the account that they supplied when they created their account.

5.6 Update Information

The system shall enable users to edit/update certain account information (e.g. password) and owner/sitter profiles, and to delete their accounts if desired.

5.7 Voice Operation

A user registered as an owner shall have the capability to request a pet sitting appointment via voice command using Amazon's Alexa voice service. The system shall interpret the voice command and find a sitter as described in feature 5.4.

6. Other Product Requirements

- The system must comply with existing web standards (HTML, Java, TCP/IP, etc.).
- Documentation requirements shall be as prescribed by the instructor and/or sponsor.
- The system will be hosted on the Heroku web servers. It will use Elastic search as the main data store and data retrieval system. It will also implement React and Spring to tie together the front end and backend respectively.