# Software Requirements Specification

# PRJ566 – Summer 2024

# PRJ566 – Team No: 3

# Name of Project:  Pets Crew Website

# Project Leader:

**Last updated:**

**Team Members:**

**1. Mehtab Singh Jagde**

**2. Aryan Tuwar**

**3. Margil Patel**

**4. Shubh Jani**

**5. Tapan Panjabi**

# TABLE OF CONTENTS

1. **Introduction/Overview - Document Information**
   1. **Document Authors**
   2. **Revision History**
   3. **Document Conventions**
   4. **Document Purpose**
   5. **Intended Audience**
   6. **Group Agreement**
2. **Project Overview**
   1. **Project Proposal**
   2. **Stakeholders and Users**
   3. **Functional Requirements**
   4. **Nonfunctional Requirements**
   5. **Project Scope**
   6. **System risks**
   7. **Operating Environment**
   8. **UI/UXD Interface Mockups**
3. **Process & Data Modeling**
   1. **UML Modeling: DFDs & Activity Diagrams**
   2. **Use Case Specification** 
      1. **Business Rules**
      2. **System Use Case Diagrams**
      3. **Use Case Description Tables**
4. **Domain Class Diagram**
5. **Database (Select either 5.1 or 5.2)**
   1. **RDBMS Artifacts**
      1. Scripts to create, populate, delete tables
      2. Data Dictionary
   2. **NoSQL Artifacts**
6. **Work breakdown Structure (WBS)**
7. **Milestones & Acceptance Criteria**
8. **Implementation Schedule (Agile/Waterfall)**
9. **Client / Faculty Sign-off**

# 1 - Introduction/Overview - Document Information

## 1.1 Document Authors

**1. Mehtab Singh Jagde**

**2. Aryan Tuwar**

**3. Margil Patel**

**4. Shubh Jani**

**5. Tapan Panjabi**

## 1.2 Revision History

|  |  |
| --- | --- |
| Week 03 | Sections of this document that were completed/updated this week, example: completed/updated  1. Introduction/Overview  1.1 Document Authors  1.2 Revision History (ongoing) |
| Week 04 |  |
| Week 05 |  |
| Week 06 |  |
| Week 07 |  |
| Week 08 |  |
| Week 09 |  |
| Week 10 |  |
| Week 11 |  |
| Final |  |

## 1.3 Document Conventions

For example:

Any text in red indicates an exception or error.

Any text in blue is in-progress.

Any text highlighted in yellow is an important point.

Any text in green was recently added.

Any text *italicized* represents definitions.

Any text with ~~strike-through~~ is deleted.

## 1.4 Document Purpose

## 1.5 Intended Audience

## 1.6 Group Agreement

**TEAM AGREEMENT**

**Team #: 3**

**Project Title: Pets Crew Website**

**Project Time Frame: 2 Semesters**

**Team Members:**

**1. Mehtab Singh Jagde**

**2. Aryan Tuwar**

**3. Margil Patel**

**4. Shubh Jani**

**5. Tapan Panjabi**

**Team Leadership:**

**Team Functions:**

* *We will share information through MS Teams, OneDrive, WhatsApp, e-mail and meetings.*

**Team Meetings:**

**Team Problems:**

**Team Commitment**

**The undersigned members agree to work together on the project until the end of the PRJ666 next Semester. They recognize that as a team and individually they are responsible for the quality of all deliverables.**

**Name Date**

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

ShapeShapeShapeShapeShapeShapeShapeShape

# 2 - Project Overview

## 2.1 Project Proposal

Project Background

A brief overview of the background to the project and why it is being carried out.

**Problem Statement**

|  |  |
| --- | --- |
| The Problem of: | Describe the problem |
| Affects: | The stakeholders affected by the problem |
| The impact of which is: | What is the impact of the problem |
| A successful solution would: | Key benefits of your successful solution |

**Product Vision**

|  |  |
| --- | --- |
| For | Describe the target customer(s) |
| Who | Give statement of the need or opportunity |
| The Product Name | Is a [product category] |
| That | Provide statement of key benefit; that is the compelling reason to buy |
| Unlike | Primary competitive alternative |
| Our product | Statement of primary differentiation |

## 2.2 Stakeholders and Users

|  |  |
| --- | --- |
| Stakeholder Name/Identifier | Category |
| CEO (Chief Executive Officer) | Administration, Sponsor |
| Construction Manager and Scheduler | Administration, User  Needs accurate up to date information for costing and scheduling of project details |
| Administrative Assistant | User |
| Schedulers | User |
| Cost Accountant | User |
| Project Leader | Developers |
| Developers | Developers |

## 2.3 Functional Requirements

## 

## 2.4 Nonfunctional Requirements

Operational, Performance & Security Requirements

## 2.5 Project Scope

## 2.6 System Risks

|  |  |
| --- | --- |
| **Risk** | **Response** |
| The use of Voice Recognition adds complexity, introducing more ways to hack into your device | Implement various security measures and keep code modular in order to reduce complexity and increase security |
| Some of the team members are not familiar with Android Studio (IDE used to develop Android apps) | Hold team sessions to go over the IDE and how to initialize an APK for app testing /  or the whole team will meet twice a week to complete video tutorials related to . . . |
|  |  |
|  |  |
|  |  |
|  |  |

## 2.7 Operating Environment

## 2.8 UI/UXD Interface Mock-ups

# Process and Data Modeling

## **3.1 UML/DFD Modeling and Data Modeling**

### Activity Diagrams and Data Flow diagram

## **3.2 Business Rules**

|  |  |  |
| --- | --- | --- |
| Business Rule Number | Business Rule Description | Related UC |
| BR01 | User must provide a username, email and password to register for the app. | UC01 |
| BR02 | Post length can be no longer than 300 characters | UC02 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## **3.3 Use Case Specifications with corresponding interface mockups:**

**Each use case needs to have the following:**

1- **Business Rules.**

**2- System Use Case Diagrams.**

**3- Use Case Descriptions.**

**4- Corresponding Mockups**

# Domain Class Diagram

# Database

# Work Breakdown Structure (WBS)

## 

## Work Breakdown Structure

Sample WBS:

Diagram

Description automatically generated

# Milestones and Acceptance Criteria

* 1. Milestone one

Definition

Acceptance Criteria

* …
* ….
* ….
  1. Milestone Two
  2. Milestone Three
  3. ..
  4. …
  5. …
  6. ..
  7. ..
  8. ...etc.

# Implementation Schedule

Implementation Schedule using MS Project (Waterfall)

OR

Product Backlog (Agile-Scrum)

# Client / Faculty Sign-off

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

X .

Name of Client/Rep/Professor