PAWGOBBLES

Project Implementation Plan

INTRODUCTION:

Purpose:

The goal is to create a robust backend program to support the Aggieland Humane Society's current website that intends to provide its users a simple way to see animals that are available for adoption, fill out the necessary adoption documents, and pay for them via online credit or net banking systems to finish the adoption process.

The Aggieland Humane Society's representatives should be able to advertise dogs for adoption on the website and include a set of photos with the description. Adopters who are interested should be able to see listings and fill out the relevant adoption paperwork using their phone, implying that the website should be both PC and mobile compliant. Adopters should also be able to make payments or donations online, and these payments should relate to the accounting system to minimize volunteers or staff members manually updating data.

Assumptions and Constraints:

A couple of assumptions or constraints we consider are that the existing website is compatible with a broad range of backend systems i.e., it is structured in such a manner that it can use global system structures to satisfy data management related requirements. The system is also expected to be created to be compatible with mobile mode while being expanded in PC web browser mode, considering the user base and their accessibility.

The budget allocated is less, but we will assume that it will be sufficient to implement new system and sustain the existing system. It is believed that we have the necessary resources and technological expertise to carry out our plans, but the existing technical expertise is sufficient to develop the new system and allocate the resources rightfully.

It is expected that the payment gateway or other user requirements will change over time, therefore employees and manager must be actively involved in the project's design and implementation phases, helping the team through change management and user demands. The

website is also developed such that various user profiles are allotted and the UI, UX and permissions for each user will be different depending on the user's role.

Implementation description:

Since new requirements are being put down, the system should be created and tested step by step in order to progress to the next requirement according to the expected requirements. We'll use the agile methodology, essentially dividing the job into three sprints, each of which is scheduled for two weeks or 80 hours. We anticipate completing the project in three sprints (6 weeks) that is divided into three phases. The project is scheduled to begin on November 3, 2021, and end on December 15, 2021. The sprint, its implementation, and the accompanying dates are described in the table below in a tabular fashion.

SPRINT	IMPLEMENTATION	IMPLEMENTATION DATE
SPRINT 1	User related implementations to access the website	11/03/2021
SPRINT 2	Management and employee related implementations in terms of website accessibility	11/17/2021
SPRINT 3	Integrate payment and security authentications for users and employees using the services of the organization	12/01/21

Point of contact:

The requirement to help understanding the project's development, updating user demands, or training, contact the people mentioned below. The project managers are the first point of contact to understand the project implementation and design. Any bugs on the website please contact the senior developers. The volunteer can be contacted in case there are problems with the adoption forms and google form links. These mentioned names will be first point of contact for the mentioned requirements and won’t be changed until and unless otherwise specified.

ROLE	NAME	EMAIL	PHONE
PROJECT OWNER	Jimmy Anderson	janderson@pawgobbles.com	(979) 739-5736
PROJECT MANAGER	Bob Mathews	bmathews@pawgobbles.com	(979) 740-4439
IT DEV MANAGER	George Jordan	gjordan@pawgobbles.com	(979) 726-3237
IT DEVELOPER	James Harden	jharden@pawgobbles.com	(979) 326-1132
IT QA	Jamal Khan	jkhan@pawgobbles.com	(979) 340-5231
BUSINESS ANALYST	Steve Flin	sflin@pawgobbles.com	(979) 729-0042
INTERN	Elena Gilbert	egilbert@pawgobbles.com	(979) 346-2098

Implementation Schedule:

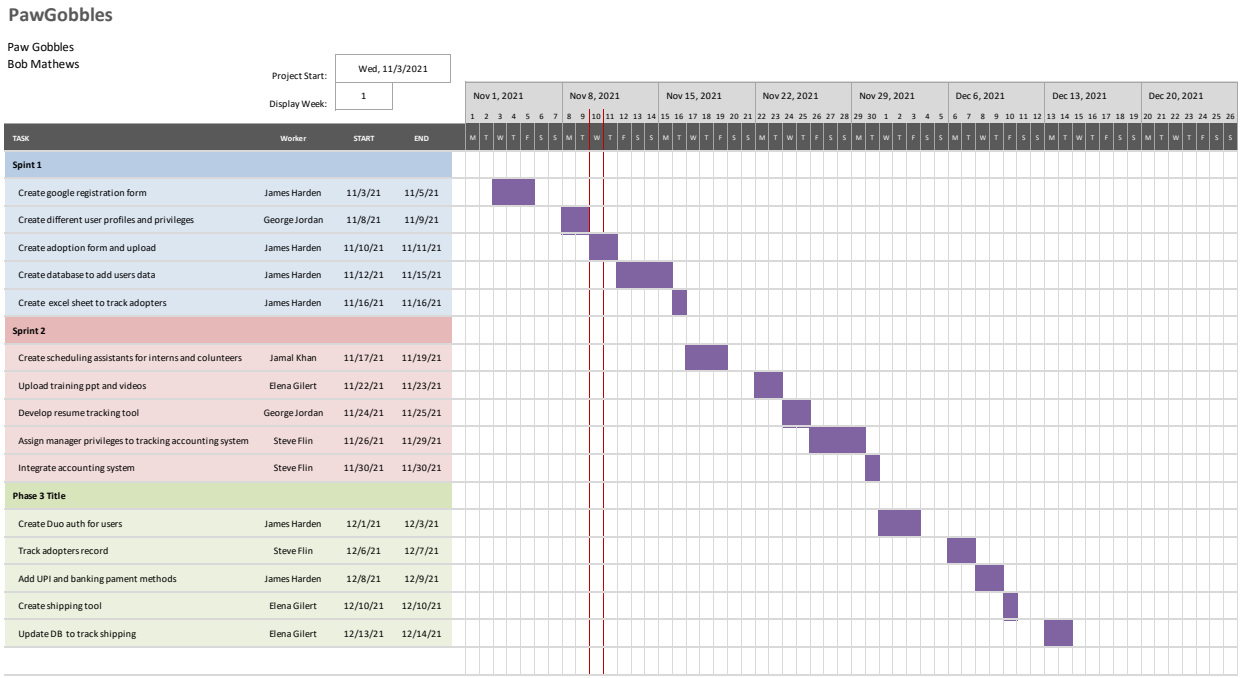
The implementation will be done in three phases spanned into 3 sprints and 8- hours of work. The project will be divided into design phase, analytical phase, development phase, QA phase, and maintenance phase. Each of these tasks are split among different phases and resourcefully handled well to make sure the implementation is successful. After every task implementation, there is a task board that gets updated and unit tests are constantly done by dev.

Rolling out tasks and schedule:

TASKS	**WORKER**
Create google registration form	James Harden
Create different user profiles and privileges	George Jordan
Create adoption form and upload	James Harden
Create database to add users data	James Harden
Create excel sheet to track adopters	James Harden
Create scheduling assistants for interns and volunteers	Jamal Khan
Upload training ppt and videos	Elena Gilbert
Develop resume tracking tool	George Jordan

Assign manager privileges to tracking accounting system	Steve Flin
Integrate accounting system	Steve Flin
Create Duo auth for users	James Harden
Track adopters record	Steve Flin
Add UPI and banking payment methods	James Harden
Create shipping tool	Elena Gilbert
Update DB to track shipping	Elena Gilbert

GanttChart:



Training:

The system is set up such that the bulk of users are members of the general public who utilize social media and other websites. There is no user manual supplied for any of the website users because it is fairly general. Employees and adopters of the organization are typically given training. The trainings are mainly pre-recorded videos that may be found under the training modules page on the website. Every employee is required to complete the training, and the videos are assigned to them based on the profile they choose before to logging in.

TRAINING ACTIVITY	START DATE	END DATE
PAWGOBBLES ORIENTATION	12/10/2021	12/17/2021
DOG TRAINING	12/18/2021	12/24/2021
WEBSITE USAGES TRAINING	12/26/2021	01/03/2022
ADMIN TRAINING	01/05/2022	01/12/2022

Document maintenance:

The following documents and their contents are elaborated below:

- User document
- Design Document
- Project Guide
- System Document
- Maintenance document

Everything related to the project are documented. It starts off with the user guide to help users understand their roles and responsibilities within the organizations. The project design document includes workflow, design architecture, database design, networking protocols, IT infrastructure and so on. The project guide includes, gantt chart, WBS, budget, scheduled tasks, and allotted resources. The system document includes test cases, its implementation, and responsible tester. Maintenance document includes the kind of process we need to follow in case there is a bug or problem in the systems.

Testing:

The testing is done in different phases as the project is developed. All kind of testing like unit testing, integration testing, system testing, and regression testing are done on the system in a batch-by-batch process. The testing is also done by scaling it to maximum and stressing the websites database much to ensure there is consistence and high availability within the system. To do all these the QA managers have to come up with a test plan and ensure the test cases are written it keeping in mind there is interoperability between different integrated systems. Finally,

the required resources are allocated, and the test cases are executed wither manually or are automated and are released to production.

Transition to support and support operations overview:

Once the system is up and running, a support and maintenance staff is required to fix any real-time difficulties that the clients or the users come across; since our system is not a transaction-based system, we do not require a 24-hour support service. Based on the backlog and user base capacity additional upgrades and new features can be added throughout the production support period. Some of the common activities performed during production support are:

- 24x7 customer and system support
- SMTP support
- Server down support
- Security support
- Service failure recovery support