Pet Sign In Web Application

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# Abstract

Pet Sign In is a web application to sign in pets at a work environment. The idea behind this web application is to allow the Human Resource of pet friendly companies to keep track of when the pet is on the premises and their up-to-date documentation.

# Introduction

## 2.1 Background

This project was something I want to solve in my old job over at Tangoe, Inc. We were allowed to bring our pets (only dogs) to work as long as we provided the latest document. We also had to sign in the receptionist every day, assuring that we agreed to dog policy.

## 2.2 Goals and Objectives

This project’s goal is to simplified the process of getting your dog registered and signed in.

* Ability for a dog owner employee:
  + Create an account, associate it with a company ID to create sub pet accounts
  + Upload basic and necessary information about their pets based on company policy
  + Semi sign-in their pets using their email only, a few restrictions will be applied
  + Full sign-in their pets using their email and password, no restrictions will be applied
* Ability for an Human Resource employee to:
  + Create an account
  + Create a company directory that will allow employees to associate their accounts to the company designated directory
  + Approve, notify, disable employee and pet accounts

This product isn’t created for profit, rather to help a country find competent Guinean with the rights jobs to the right job. The only risk assessment is as followed:

* Loss of personal information

The following is a list of opportunities this product will bring to Guinea:

* Free to use
* Slow but thorough registration process
* Mobile device friendly
* Using latest security to protect data in transit
* Encrypting resting data for better security

The opportunity here is to create a secure job posting website for job seekers and employers.

## 2.3 Scope

This website is a job posting bulletin made specifically for the Republic of Guinea. A non-registered user can view obfuscate job posting but will not be able to apply until they register. Job seekers will be able to create their account, fill in their information such as education degree, etc. similar to LinkedIn and save. These new accounts will be immediately available for employers. Employers on the other hand will require a thorough approval process before having the ability to view potential employees.

## 2.4 Intended Audience

## 2.5 Computer Application

* Agent Ransack
* Fiddler4
* FileZilla
* Google Chrome
* Internet Explorer 11
* Microsoft Excel, PowerPoint, Visio and Word
* MySQL Workbench
* Notepad ++
* PuTTY

## 2.6 Web Application

* CPanel
* Dropbox
* GitHub
* JSFiddle
* Runnables

## 2.7 Languages

* HTML 5
* JavaScript
* PHP
* MySQL

## 2.8 Libraries

* Bootstrap
* jQuery
* Joyride

# 3 Analysis Overview

## 3.1 System Usage

## 3.2 Assumptions, Dependencies and Constraints

The availability of the website will depend on the service availability of the hosting company.

## 3.3 Development Methods

# 4 Requirements

## 4.1 Inputs – Data

## 4.2 Outputs – Information

## 4.3 Processes – Manual/Automatic

## 4.4 Storage – Database

* All data will be stored in MySQL Database.

## 4.5 Control – Interfaces

The website will consist of three roles:

* Owner
* Admin
* Registered User

Each will have distinct rights and ability throughout the application.

## 4.6 Timelines and deadlines

|  |  |  |
| --- | --- | --- |
| Iteration 1 | | |
| Phase | Start Date | End Data |
| Inception | 05/17/2015 | 05/28/2015 |
| Iteration 2 | | |
| Inception | TBA | TBA |
| Elaboration | TBA | TBA |
| Iteration 3 | | |
| Inception | TBA | TBA |
| Elaboration | TBA | TBA |
| Construction | TBA | TBA |
| Iteration 4 | | |
| Construction | TBA | TBA |
| Transition | TBA | TBA |

## 4.7 Training

A help how too will be available on the website as well as documentation

## 4.8 Security and Audits

* Website is forced into a HTTPS/SSL connection therefore all sessions are protected
* Every registered user’s navigation will be audited in the audit trail table, only available to Admins and above.

## 4.9 Use Cases

|  |  |
| --- | --- |
| Use Case Name |  |
| Description |  |
| Actors |  |
| Pre-Conditions |  |
| Basic Flow |  |
| Post Conditions |  |
| Alternate Flows |  |
| Notes |  |

## 4.10 Assess Project Worth in terms of Cost vs. Value

### 4.10.1 Estimated Costs

Total Development Cost Esxtimate: $0.00

|  |  |  |
| --- | --- | --- |
| Operation Cost | | |
| Name | Description | Cost |
| Computer Hardware |  | $0.00 |
| Computer Software |  | $0.00 |
| Hosting |  | $0.00 |
| Books |  | $0.00 |
| Others |  | $0.00 |
|  | Total |  |

|  |  |  |
| --- | --- | --- |
| Personal Cost | | |
| Name | Description | Cost |
| Programmer |  | $0.00 |
| Database Administrator |  | $0.00 |
| System Analyst |  | $0.00 |
|  | Total |  |

### 4.10.2 Value

## 4.13 Preliminary Project Plan

### 4.13.1 Master Schedule

### 4.13.2 Resource Assignment

**Personnel:**

* 1 Programmer/DBA/System Analyst

## 4.14 Browser Compatibility

|  |  |
| --- | --- |
| Browser | Version |
| Chrome |  |
| Firefox |  |
| Internet Explorer |  |
| Opera |  |
| Safari |  |

## 4.15 Security Preventions

### 4.15.1 Overview

A variety of Open Web Application Security Project’s (OWASP) suggestions will be applied.

### 4.15.2 Information Gathering

Because I’m being hosting by a commercial company, it simple for someone to navigate the different services offered by the company and determine the sort of system I’m running on.

### 4.15.3 Business Logic, Authentication and Authorization

### 4.15.4 Session Management

### 4.15.5 Data Validation

### 4.15.6 Denial of Service

My system is vulnerable to Denial of Service.

### 4.15.8 Ajax

# 5 Design

## 5.1 Use Case Diagram

## 5.2 Context Dataflow Diagram

## 5.3 Entity Relationship Diagram

## 5.4 Class Diagram

## 5.5 Dataflow Diagram

## 5.6 Data Structured Diagram

## 5.7 Activity Diagram

## 5.8 Conceptual Website Diagram

## 6 Database Stored Procedures

# 7 Screenshots