**Software Requirements Specification**

**for**

The Pitbull Store

**Version 1.0 approved**

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**CSPIT-CSE**

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**Revision History**

| **Name** | **Date** | **Reason For Changes** | **Version** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

# 1) **Introduction**

## 1.1 **Introduction**

*We are designing a website for Pets that deals with Pet food and daily essentials.*

*The basic motto of this project is to give customers a brief idea about the brands and the products The Pet store is dealing with.*

*This website helps the customer to surf for the products according to the requirements*

*by sitting at home.*

* **1.2 Document Conventions**
  + We have chosen fonts and highlighted certain information which will be reader friendly.

## 1.3 Intended Audience and Reading Suggestions

* + We have chosen fonts and highlighted certain information which will be reader friendly.
  + *The people who own pets, especially dogs and have requirements of items like pet food,toys for pets accessories etc. We see pets as individuals from the family, so our point is to give clients items and administrations that can guarantee their darling pet will appreciate an upbeat, solid life.*
  + *We know how essential the human-creature bond is, so our promise to quality creature care reaches out to each aspect of our business.*

## 1.4 Project Scope

* + *The basic motto of this project is to give customers a one stop platform for all the pet amenities they will need to give their pets the best life..*
  + *A responsive website which will cater to book client appointments, buy medicines, user login, order services and goods, manage their pet routine, daily articles, mail reminders.*
  + *Our website provides all the necessary details needed to keep your pets in the pink of their health,*
  + *We also have entertainers, small toys to keep your pet busy in their play.*
  + *Users can also book a pet school appointment schedule to have a mannered pet you dream of…*
  + *A pet day care appointment to keep your pet busy while you have your work done….*
* **1.5 References** 
  + *Reference has been taken from the official Pet Store websites.*
  + *Reference has also been taken from web designing and development tutorials.*

# 2 **Overall Description**

## 2.1 **Product Perspective**

* + - *Our pet store website (The Pitbull store) contains the following information*
* **Product details:**
  + *Your pet deserves the best of everything!We make sure you get it all at the Pitbull store . You will find the best pet care brands and shop toys , treats , food and accessories at best prices.*
* **Product quotation :**
  + *Provides estimated quotation of the products which the customer wishes to buy. This provides the estimated amount of the money the customer has to spend.*
* **2.2 Product features**
  + *The major features for the Pitbull store are as shown in below:*
  + *Reliability:**We are pretty reliable and have many policies for free-delivery,offers/discounts etc.*
  + *24/7 Customer Support* ***:*** *We provide service 24/7 and are available for any customer queries.*
  + *Multi-Lingual:**We are also providing multiple language options on the website.*
  + *Secure:**We provide many smaller yet important features like orders,quality products, etc. These are just a few highlights of all the things that we provide.*
  + *Chat bot assistant:We have included a chat bot that will help you solve problems within no time.*

## 2.3 **User Classes and Characteristics**

* + *Users of the system should be able to order any pet care product or general pet accessories through the website . The products will be diversely classified on the basis of the users liking and choices so that he/she could get any products available on the database*
  + *The system will support three types of Customer, and Employee.*
* **2.4 Operating Environment**
  + *Operating environment for our project Pitbull Store is as listed below.*
  + *distributed database*
  + *client/server system*
  + *Operating system: Windows,Mac OS.*
  + *database: DJANGO database*
  + *platform:Any browser compatible with Javascript and python web framework*

## 2.5 **Design and Implementation Constraints**

* + *Server:- Minimum Hardware Requirement*
  + *Desktop computers with 2 GB RAM minimum(preferably 8GB)Requirement,Microsoft*
  + *Windows ,Mac OS.*
  + *Server :-Minimum Software Requirement*
  + *Client Device*
  + *Desktop computers with atleast 2 GB RAM.*
  + *OS- Windows 7 or above*

| **3rd Sem** | **4th Sem** | **5th Sem** | **6th Sem** | **7th Sem** |
| --- | --- | --- | --- | --- |
| Not required | Not Required | Not Required | Mandatory | Mandatory |

## 2.6 **User Documentation**

* + *The first page of our website that would appear to the user. Here, the user needs to Login In in order to access the website. If a user doesn't have an account he needs to Sign Up.*
  + *This webpage is for those users who don't have an account. Here, the user needs to enter his basic details and create a User id and password in order to access the website.*
  + *As our website 'The Pitbull Store' is intended for both English and Hindi users, the user can actually switch/translate the webpage to his/her desired language.*
  + *While searching for pet products the user can actually filter between the different varieties of pet products and search for their desired quality of product accordingly.*
  + *If you have any difficulty with our website we created this chat bot for our website ‘The Pitbull Store ‘as This makes sure that they are guaranteed a high level of customer satisfaction for our website visitors.*
  + *Our website ‘The Pitbull’ Store provides 24×7 customer support which means we will be able to engage our customers whenever they need .*

## 2.7 Assumptions and Dependencies

* + *The main assumption of this project is that the user will be provided with ample information regarding sanitaryware products which will help the customer review our products and select the products they wish to purchase and the customer will be provided with a rough estimated expenditure(Quotation).*

# 3 **System Features**

## *Reliability, Multi-Lingual, Chatbot assistant, Responsive ,Flexible service informative,user-friendly UI*

## 3.1 Reliability

*Reliability is the probability and percentage of the software performing without failure for a specific number of uses or amount of time.Applicants can access their website 98% of the time without failure.*

## 3.2 24/7 Chat Assistance

*A chat bot is provided which is available 24/7 and will answer your simple queries.*

*This feature is a 24/7 all time chatbot assistance which will help you with your problem. It is an active chat assistance which will solve if the problem is simple but will direct you to us if the problem is serious and going further we will handle your problem.*

## 3.3 Multilingual support

*We are having a feature of multiple language support . We have included option of both English which is most widely used language and Hindi which is the most widely used language in India*

## 3.4 Responsive

Our responsive web design will automatically adjust for different screen sizes and viewports.

**3.1.1 Description and Priority**

**3.1.1.1 Multilingual support**

**(Priority High)**

* + *We are having a feature of multiple language support . We have included option of both English which is most widely used language and Hindi which is the most widely used language in India*

**3.1.1.2 Chatbot Assistance**

**(Priority High)**

* + *A chat bot is provided which is available 24/7 and will answer your simple queries.*

**3.1.1.3 Responsive**

**(Priority High)**

* + *A chat bot is provided which is available 24/7 and will answer your simple queries.*

* 3.1.3 **Functional Requirements**
  + The website should be able to display the products the user to see
  + The website should be able to generate and estimate expenditure(quotation) for the products the customer has added.

# 4 **External Interface Requirements**

## DJANGO

* + - Front-end Software: Visual studio code,Bootstrap.
  + *4.2* **Hardware Interfaces**
    - *Any device with the browsing capability.*
    - *Software:Browser.*

## 4.3 **Software Interfaces**

*Following are the software used for our online Pitbull store website.*

| ***Software used*** | ***Description*** |
| --- | --- |
| *Operating system* | *Any operating system that has the capability of browsing* |
| *Database* | *For database purpose we have used DJANGO backend libraries* |
| *Visual studio code* | *To implement the project we have chosen HTML,CSS,javascript language for its more interactive support.* |

## 4.4 **Communications Interfaces**

*This project supports all types of web browsers. We are using simple electronic forms for accepting orders online etc.*

* **5 Other Nonfunctional Requirements**

## 5.1 **Performance Requirements**

* + - *As the project is web based so there are no specifications for performance but in further updates of the project the user will be able to select the products they wish to buy and will also be able to generate a rough expenditure(Quotation) for the products.*

## 5.2 **Safety Requirements**

* + - *Security requirement is a critical requirement, for big risks may be brought by products that fail to meet security requirements. Security of system information tends to be even more important nowadays when the Internet wins wide popularity. Security involves confidentiality, availability and auditing. Website ensures that there will be no access to unauthorized entities of our system and its stored data .We have an option of secure transaction with no 3rd party involved . There is a feature where the user will be notified for logging in and if the access is suspicious then the access will be denied instantly.*

| **3rd Sem** | **4th Sem** | **5th Sem** | **6th Sem** | **7th Sem** |
| --- | --- | --- | --- | --- |
| Not Required | Not Required | Required, if requirement needs | Required, if requirement needs | Required, if requirement needs |

## 5.3 **Security Requirements**

* + - *if there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed up log, up to the time of failure.*
    - *Data on the server should be protected from power loss but data in transit from server to requester could be lost. Given that these data will also remain on the watershed site system, rather than expend resources to prevent this loss, such failures will be monitored and the uploading process will be repeated*
    - *Database- Data from the database will never be transmitted to unauthenticated sources*
    - *Application- The website will never disclose customer information to users that are*

*not authorized to see it.*

| **3rd Sem** | **4th Sem** | **5th Sem** | **6th Sem** | **7th Sem** |
| --- | --- | --- | --- | --- |
| Not Required | Not Required | Required, if requirement needs | Required, if requirement needs | Required, if requirement needs |

## 5.4 **Software Quality Attributes**

* + ***AVAILABILITY:*** *Our retailed website is available 24\*7.*
  + ***CORRECTNESS:*** *The Order should start from the correct start terminal and should reach the correct destination.*
  + ***MAINTAINABILITY:*** *The administrators should maintain correct stocks of the products.*
  + ***USABILITY:*** *The stocks of the supplies should satisfy a maximum number of customers' needs.*