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**1.introduction**

* 1. **purpose**

This document is meant to detail the features of the software being developed, this is used as a guide for the developers and a software validation document for the clients to check if all the requirements have been satisfied after the development of the software.

**1.2 scope**

This system can be made to include as many functions of a network aministration is possible system not only provide a forum for the agents but also provides a platform for the agent to now alumini and there where abouts

* 1. **Product perspective**

**1.3.1 system interfaces**

This is a web application that runs in the latest version of Chrome, Firefox or any web browser on Windows, Linux and Mac.

**1.3.2 user interfaces**

The application user interface has menus, toolbars, buttons, text boxes, hyperlinks allowing the user to control the application with the help of a mouse and keyboard

1. Login Page

2. Registration page

3. Page displaying the products that are available in the farmers house.

4. If the customers select a product the details of the product will be displayed with the option to add to cart or buy now.

**1.3.3 Hardware interface**

The system needs a proper internet connection for its good working

**1.3.4** **Software interface**

The system works on a client-server manner. Communication with the server is done with the help of scripting language PHP. It also requires Data Base for the storage of details of the customer’s and the details of the farmers and also the products for that we use MYSQL.

**1.3.5** **Memory constraints**

Minimum amout of memory for storage and its proper work.

**. Product Function**

The Web project to help farmers ensure greater profitability through direct farmer to supplier and farmer to farmer communication.This service boosts business communication and brings transparency in the system.This innovative site allows for good farmer and supplier communication. It allows farmers to login and communicate to respective dealers. . When customers publish an advertisement or offer, the respective farmers get notification. The customers may also submit their complaints to respective farmers.

* **Customer login**
* **Admin login**
* **Farmer login**
* **Purchase product**
* **View farming tips**
* **Add product**
* **Add farmingtips**
* **Add complains and view complains**
  1. **User characteristic**

Admin is the overall supervisor for the Argotic webservice and control the entire website. Admin can add several type of crops, give the farming tips to farmers and view the complaints of farmers and customers . The farmer first need to be registered to login.after login he can access the system.and farmer can post their on crops and its ddetails.and also view the complaints of specific crops to respected deleras.and farmers can sell the crops to suppliers include crop id and other specific details. Customers first need to register himself to login.after login customer can access the system.and customer can buy the crops based on farmers posts.and also give complaints about the specific crops.

* **Admin**

Admin is the overall supervisor for the Argotic webservice and control the entire website. Admin can add several type of crops, give the farming tips to farmers and view the complaints of farmers and customers

**1.7 Database**

Database is the storage space for storing all the information related to the web application in tabular format.

**1.8 Field**

A field is a cell inside a form.

**2. Requirement**

**2.1 External Requirement**

There are many interfaces related to software in software engineering. Some of the important interfaces are User Interface, Software Interface and Hardware Interface.

**2.1.1 user interface**

User interface is the page with which the customer interact which is build using HTML and Php. The forms that user interact is designed using HTML.

**. 2.1.2 Hardware interface**

**2.1.3 Software Interfaces**

The system must interact with the configurator to identify all available components. Front End : PHP,Back End: MySQL Web server : wamp server

**2.1.4** **Communication Interfaces** In communication interface we use the HTTPS which is the secured file transfer protocol used for communication between the client and the server.

**2.2 Function**

**2.2.1 Registration of Farmers**

The farmer first need to be registered to login.after login he can access the system.and farmer can post their on crops and its ddetails.and also view the complaints of specific crops to respected deleras.and farmers can sell the crops to suppliers include crop id and other specific details.

**2.2.2 Registration of customer**

Customers first need to register himself to login.after login customer can access the system.and customer can buy the crops based on farmers posts.and also give complaints about the specific crops.

**2.2.3 Viewing product details**

Customers and farmers can view the product details that he/she needs to buy. Its price and the review of other customers who brought this product from the farmers will be shown there. They can add the quantity that they are planning to buy.

**2.2.4 Adding farming tips**

Farmer can add the farming tips of specific crops

**2.2.5 Adding products to cart**

Customer can add their wanted crops available in farmers their cart. When they add the crops quantity they add and the amount of each product will be displayed and also the total amount that they need to pay will also be displayed.

**2.2.6** **Adding review**

Farmers and customers can add review about the product and also about the site.

**2.3 Usability requirements**

The software should be easy to use for all the users. farmers ensure greater profitability through direct farmer to supplier and farmer to farmer communication.This service boosts business communication and brings transparency in the system.This innovative site allows for good farmer and supplier communication. It allows farmers to login and communicate to respective dealers

**2.4 Database Requirement**

MySQL is the world's most popular open source database. With its proven performance, reliability and ease-of-use, MySQL has become the leading database choice for web-based applications, used by high profile web properties including Facebook, Twitter, YouTube, Yahoo! and many more.

**2.5 Design constrains**

System design transforms a logical representation what the system is required to do into the physical specification. The specifications are converted into a physical reality during the development. Design forms a blue print of the system and adds how the components relate to each other

**2.6 Software system attributes**

The application should run in latest chrome, fire fox or safari. It should not send any data to internet all the data should be kept confidential. It can analyze all the inputs made by the users.

**3.Verification**

In verification we check all the above given requirements are completely present in the final product. All the functional and non-functional requirements are satisfied and also the product accomplishes the task for which the application was developed.

**4. References**

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