**The Daily Services on Door (DSD)**

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**Purpose:**

The Daily Services on Door(DSD) is an online platform for aiding the services to show all kind of daily wage workers who are frequently needed on an emergency basis.

This web application is intended to provide home services on demand by the customer and provide complete solution for the customers who face difficulty in searching for the labours or any kind of service they need immediately .Also, it will allow the customers to browse through the shared details and description about the worker with individual working criteria which will make them easier to choose as per there budget.

Using this application daily wages people also can get work and money as it will be beneficial to both.

**Scope:**

This system allows the customers to choose the service according to their need which is affordable and feasible to them.

**Definitions:**

DSD --> Daily Services on Door (DSD)

SRS --> Software Requirement Specification

GUI---> Graphical User Interface

Portal--> Personalized Website

Stackholder--> The person who will participate in the System. And Owner of system

Ex. Customer, Administrator, Shopper

UML---> Software Engineering Notation for visualising System in the form diagrams

SSL---> Secure Socket Layer used for providing restricted access to application.

BOD---> Board Of Directors (Management).

RDBMS --> Relational Database Management System.

CLUSTERS---> Group of independent servers.

**Overview:**

This System provides an easy solution to customers to choose their service according to their need with affordable price without struggling to search outside and with zero chances of fraud or false promises.

**Additional Information:**

The system work on internet server, so it will be operated by any end user for choosing the home services they want with secure platform.

This system protects the integrity of the customers and service providers and provide the services at feasible price

**General Description:**

The Daily Services on Door (DSD) application helps to manage all the workers with their availability and also helps customers to choose those many days they want the service if they require on daily basis.

The Daily Services on Door system will use the internet as the sole method for providing the home services to the consumers.

**Functional Requirement:**

This section provides requirement overview of the system. Various functional modules that can be implemented by the system will be:

**Description:**

Registration if customer wants any kind of home services then he/she must be registered, Unregistered user can’t get services.

Login Customer logins to the system by entering valid user id and password for any services.

End User can select the particular services that they require immediately, and can browse the available services according to their choice and requirement.

Payment for customer; once the customer is done with all formalities of choosing and booking, he/she will need to pay through cash after the service is done.

Logout after the payment of the book the customer will logged out.

The term client/server refers primarily to an architecture or logical division of responsibilities, the client is the application (also known as the front-end), and the server is the RDBMS (also known as the back-end).

A client/server system is a distributed system in which, some sites are client sites and others are server sites.

All the data resides at the server sites.

All applications execute at the client sites.

**Technical Issues:**

This system will work on client-Server architecture. It will require an internet server.

The system should support some commonly used browser such as Chrome etc.

Interface Requirement Various interfaces for the product could be

1.Login Page

2.Registration form

There will be a screen displaying information about product that the shop having.

The customers may select the different options which will be open in another screen as

1.Login Page

2.Registration Form

3.Services Page

4.Service Selected

5.Account Settings

6.Booking history

7.Payment Gateways

**Hardware Interface:**

The System must run over the internet,

All the hardware shall require to connect to internet will be hardware interface for the system.

e.g. modem, WAN, LAN

Specialized Server Infrastructure Hardware

The system should use distributed servers i.e cloud for managing large amount of data so as to make it appear as single unit for end-user.

The system should have proper clusters for backup.

**Software Interface:**

The system is on server so it requires the any scripting language like JSP or PHP or ASP, ETC.

The system should be able to exchange data using XML, JSON or any advance technology.

The system require DataBase also for the store the any transaction of the system like MySql or oracle, or SQL server etc.

System also require DNS (Domain Name space) for the naming on the internet.

http://www.dailyservice.in

At the end-user need web browser for interact with the system.

**Performance Requirement:**

There is no performance requirement in this system, because the server request and response to client is totally based on internet connection of end user.

**Design Constraints:**

This system should be developed using Standard Web Page Development Tool, which conforms GUI standards such like HTML, XML, JSON etc.

The system should support various RDMS and Cloud Technologies.

**Non-Functional Requirements**

**1.Security:**

SSL

The System use SSL (Secure Socket Layer) in all transactions that include any confidential customer information.

The system must automatically log out all customers after a period of inactivity.

The system should not leave any cookies on the customer's computer containing user's password.

The system's back-end servers shall only be accessible to authenticated administrators.

Sensitive data will be encrypted before being sent over insecure connections like internet.

The proper firewalls should be developed to avoid intrusions from the internal or external sources.

**2.Reliability:**

The system provides storage of all databases on redundant computers with automatic switchover.

The main pillar of reliability of the system is the backup of the database

which is continuously maintained and update to reflect the most recent changes.

**3: Availability:**

The system should be available at all times meaning the user can access it using web browser,

only restricted by the down time of the server on which the system runs.

In case of a of a hardware failure or database corruption, a replacement page will be shown.

Uptime: It mean 24 \* 7 availability

100%--------------

99.9%

99.999%

99.9999%

**4: Maintainability:**

A commercial database is used for maintaining the database and application server takes care of the site. The maintainability can be done efficiently.

**5.Portability:**

The application is HTML and scripting language based (JavaScript). so the end user part is fully portable and any system using

any web browser should be able to use the features of the system, including any hardware platform that is available

or will be available in the future.

An end-user is used this system on an OS; either it is Windows or Linux.

The System shall run on PC, Laptops and PDA. etc.

The technology should be transferable to different environments easily.

**6.Accessibility:**

Only registered users should be allowed to process the orders after authentications.

Only GUI access of the system should be permitted to end users.

**7.Policies:**

The system should adhere to all the legal formalities of the particular countries.

The system should maintain security related to sensitive data.

**8.Efficiency:**

The system should provide good throughput and response to multiple users without burdening the system by using appropriate number of servers.

**9.Safety:**

Software should not harm ethical and environmental conditions of the end user’s machine.

**10.Modulariy:**

The system should have user friendly interface.

It should be easily updated, modified and reused.

**Operational Scenario:**

Customer Interaction

The Customer want to select service. The system shows all services categories to customer. If customer select service then that service will be listed in booking page. If customer wants to cancel the booking before due date then he or she can cancel it. Customer can see the booking report on account details. Customer will receive email about booking done.

+Shopper Interaction:

+Staff Interaction:

+BOD (Board of Directors)

**Preliminary Schedule:**

1. Login

2. Manage worker database

3. Add or remove service

4. Update worker category

5. booking the service

6. booking the service

7. Logout

8. Give feedback

9. Payment

10. Visit Site

11. Create new account

12. View account details

13. Cancel order before arrival date

14. Registration

15. Customer Support