oSoftware Requirement Specification(SRS) for

Online Buy And Rent Shopping System(OBRSS)

1.Introduction1.1

Purpose:-

The Online Buy And Rent Shopping System for products shop web appliction is inteneded to provide complete solutions for vendors

as well as customers through a single get way using the internet. It will enable vendors to setup online shops , , customer to

browse through the shop and purchase and rent them online without having to visiting the shop physically.

2.Scope:

This system allows the customers to maintain their product for add ,remove and choose rent option for the product over the internet

The system allows customers to check day wise price of the particular product that they want for rent and accordingly pay for that product.

Shoppers will be able to manage thier products stock

Definitions:

OBRSS --> Online Buy And Rent Shopping System

SRS --> Software Requirement Specification

GUI---> Graphical User Interface

Portal--> Personalized Website

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

Ex. Customer, Administrator , Shopper

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

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

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BOD---> Board Of Directors (Management)

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RDBMS --> Relational Dadabase Management System.

CLUSTERS---> Group of independent servers.

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Overview:

This System provides an easy solution to customer's to buy the product and take the product on rent without going to the shop and also shop owner to sale their

products online

Online Buy and Rent system

Team:

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SRS Document:

ER listing:

Application Architecture:

Application = Logic + data

Logic =(UI Logic + Business Logic + Data Access Logic)

Data =( structured data , Non Structured data)

Online Application:

Web based Application

deployed on web and accessed by users from anywhere

ShoppingApplication------Web portal-- used remotely by endusers, vendors, employees

Logic:

UI Logic:

Web Pages + HTML controls + Web Components (Angular)

Navigation : (UI Routing) HTML Links, Routing mechansim

Data Binding : DOM + JSP tags (JSTL) + {{}} ngModel,

Event Binding : action handlers

HTTP Request: GET:----------------Doget

POST:---------------Dopost

PUT:

DELETE:

Client Side UI---------------- Angular , bootstrap ,

UI (Client Side UI Framework)

Angular, React, Vue,..........

Web Logic: ( Server Side processing)

Server UI---------------- = express and node js

Model, View,

Router

CRUD REST API

Business Logic:

Java console application will be used to test your business Logic

Core Java:

will contain

1.business query processing

2.business operation managment

3.Business data manipulation

from Online shopping point of view

Modules:

1.ProductCatalog

: Product Inventory

create, insert, delete,

: Product Category

get all

get by category

2. Shopping Cart:

Adding to cart

Removing from cart

getting all element from cart

,,,etc.

3.OrderProcessing:

Order Status

Get Order Details

Cancel Order

Update Order

4:.Payment Processing:

Payment Type

Get Payment By Customer

Data :

Structured Data

RDBMS

fields

tables

contstraints

Add some dummy records in your newly created database write reusable SQL queries against those database tables to check bussiness Queries Test those SQL queries on existing dummy database you built

List of tables

Customers

Fields:

ID, FirstName, LastName, email, contact number,,,,,,,,

primary Key:ID

Products

Fields:

ProductId, ProductName,ProductPrice,rentalprice

PrimaryKey :ID

ProductForRent

Field:

ProductID , DaysForRent,CustomerId,FromDate

OrderDetails

Fields:

Customer, Product ,ItemDetails,Total Amount

Payments

Fields:

PaymentId,PaymentDate,Order PrimaryKey:PaymentID

claims

Fields:

UserID ,LoginName,Password

PrimaryKey:UserId

Employess

Fields:

EmployeeID,First Name,LastName,Email,contact Number

PrimaryKey:EmployeeID

Shipments

Fields:

ID,ShippingDate,Order,Customer,Status,Vendor

PrimaryKey:ID

Create .sql file

ddl.sql--->file will contain DDL commands for Table creation

dml.sql--->file will contain insert commands for filling dummy data to tables which we have created

bqyery.sql-->file will conatin SQL queries mapped for business queries

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