System Requirements Statement (SRS) –

Musical Instruments Shopping App

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* **Introduction**

This document explains the system requirements and scope for developing Musical instruments Shopping App.

This Shopping app will have the Three main Modules - User module,Seller Module, Admin Module.

This document describes the Shopping App requirement of the Account part.

* **Functional Requirements**

The Account part of Shopping App has three modules which are divided 13 processes described as below.

|  |  |  |
| --- | --- | --- |
| **No** | **BRS requirement ID** | **Description** |
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| **2.3.7** | **F24** | **can remove any Product** |

* **User Module**
* User can use this Application to buy the Musical Instruments or Accessories.

* User will able to view the market prices of products.
* User will select Products in cart to buy.
* User will also remove selected product from Cart.
* User can Pay as per price of selected products.
* There is feedback system will given to user for rating this App.

* **Registration Process**
* This Shopping App compels to create the account before using it. So, Shopping App will provide the function which makes Shopping App creates new account.
* When User creates new account, the function demands following information described as below.

* First name + Last name
* Contact no
* Email id
* Username
* Password
* Security Question
* Residential Address
* First name + Last name
* For identity user will give First name and last name for the registration.

* Contact no
* For the convenient and product delivery purpose User’s contact no is required.

* Email id
* Email id will be Unique of every user and we will send order information to email id.
* Username
* The Username will be unique. If the Username correspond with not case-sensitive to other which is previously registered, the Username should not be registered as an account.
* Password
* The Password has constrains which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.
* First character should Capital (A-Z)(must be one)
* Remaining Small alphabet (a-z)(at least one )
* Contains Special character (#, $, %, &, etc.) (at least one)
* Last Numeric character (at least two)
* The re-entering Password is demanded.
* Question
* At the time of registration one question is asked by this System.
* Residential Address
* Permanent Address should be filled.
* But only the state should be selected from options.
* The Security Question information

The Security Question information is needed when User lost their Password. This information consists of two items described as below.

* Question will asked be by the System to User and answer is registered by the System.
* E.g. which color do you like most?
* **Registration cancel Process**
* To cancel registration Login is Required
* Login
* Cancel registration System will provide Cancel registration for User
* **Login Process**

The Login information consists of some items described as below.

* Username
* Password
* Shopping App always compels user authentication before using itself except when a new account is successfully created.
* Login information should be entered on one screen, and then User information and Security Question information should be entered on another screen.
* The user authentication demands Username and Password. The Username and the Password should be checked in two ways.
* First, The Username and the Password should be existed and correct.
* If The Username and the Password are not equal to what the user has registered, the user authentication cannot be provided.
* Username should be available.
* The Administrator can decide whether the Username is available or not.
* If Username is available, user authentication is provided for system user.
* The User account should alive for as long as the duration decided by Admin.
* The “User home” provides the some items described as below.
* A trigger to logout
* A trigger to update Username
* A trigger to Change Password
* A trigger to Search Product

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* The “view cart” provides the some items described as below.
* A trigger to remove from cart
* A trigger to buy Product

**Logout Process**

System will provide option to User can Logout after login into App.

* **Forgot Password Process**
* When system user lost their Password, the recovery method should be provided by Shopping App.

The recovery method is described as below.

* First, system user enters their Username
* Next, application demands Question will asked be by the System to User and answer is registered by the System.
* Only when the Answer is correct, User get the new password by E-mail which also has been registered since when the Account was created.
* If the Answer is not correct, the correct Answer is demanded for user again by system.
* In that case, Of course, User couldn’t get the old password.
* **Change Password Process**
* When user wants to change their Password, the measure should be provided by this System.
* Therefore, System should provide the function which is available after getting the user authentication.
* The function demands the current password and the new password.
* Of course, the new password should valid as per condition as old password.
* The new password is demanded to enter twice to avoid a typing error.
* The new password is saved in database replace old password.
* Only when the current password is correct, user could change their Password.
* When the current password is changed into new password, System compels user authentication again.
* **Update Account Process**
* System will provide the function which makes the account updated for user.
* All items are compulsory demanded, but updating is optional.
* The user can update information after login
* The Login information

The updatable items as described below.

* First name + Last name
* E-mail address
* User name
* Contact No
* E-mail address
* Residential address
* The Security Question information

The updatable items as described below.

* Selected Question
* Answer
* **Search product**
* Search conditions are described as below.
* Product category
* Price range
* Products requirements are described as below.
* Product category
* Price
* Product name
* Quantity
* Photos
* The “Search Product” provides the some items described as below.
* add to cart
* view cart
* **Select to buy instrument/accessories**
* To select the instrument you can select option add to cart.
* After select option add to the cart the product will add into virtual bucket and user can select more instrument and accessories simultaneously.
* User can view cart to see the total price of shopping list also verify product with price.
* **Remove product from cart**

• After adding instrument in cart if user wants to remove some products from cart he can select option ‘remove’ system will removed and update cart.

* **Payment method**

• Customer can pay amount as per the total amount calculate and showed in cart.

2.1.10 Rating and feedback system.

System will provide feature in that user will give feedback and rating to app

* **Seller Module**
* **2.2.1 Registration Process**
* Musical instrument Shopping App compels to create the account before using it. So, this system will provide the function which makes seller creates new account.
* When seller creates new account, the function demands four information described as below.
* Vendors name
* Contact no
* Email id
* Seller id
* Password
* Security Question
* Corporate Address
* Work Experience

**2.2.2 Login Process**

The Login information of some items described as below.

1. Seller id

2. Password

* Username
* The User id will be unique. If the User id correspond with case-sensitive to other which is previously registered.
* Password
* The Password has constrains which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.
* First character should Capital (A-Z)(must be one)
* Remaining Small alphabet (a-z)(at least one )
* Contains Special character (#, $, %, &, etc.) (at least one)
* Last Numeric character (at least two)
* The re-entering Password is demanded.
* Security Question
* At the time of registration one question is asked by this System.
* The “Seller Home” provides the some items described as below after login.
* A trigger to logout
* A trigger to update Account
* A trigger to Change Password
* A trigger to Upload Product
* A trigger to Update Product Information
* A trigger to Delete Product
* A trigger to cancel registration

**2.2.2.2 Logout Process**

System will provide option to User can Logout after login into App.

* **Forgot Password Process**
* When Seller/vendor lost their Password, the recovery method should be provided by Shopping App.

The recovery method is described as below.

* First, seller/vendor enters their seller id
* Next, application demands Question will asked by the System to seller/vendor and answer is registered by the System.
* Only when the Answer is correct, Seller get the password by E-mail which also has been registered since when the Account was created.
* If the Answer is not correct the correct Answer is demanded for seller again by system.
* In that case, Of course, seller couldn’t get the old password.
* **Change Password Process**
* When seller wants to change their Password, the measure should be provided by this System.
* Therefore, System will provide the function which is available after getting the seller authentication.
* The function demands the current password and the new password.
* Of course, the new password should valid as per condition as old password.
* The new password is demanded to enter twice to avoid a typing error.
* The new password is saved in database replace old password.
* Only when the current password is correct, seller can change their Password.
* When the current password is changed into new password, System compels seller authentication again.
* **Update Account Process**
* System will provide the function which makes the account updated for seller.
* All items are compulsory demanded, but updating is optional.
* The user can update information after login
* The updatable items as described below.
* First name + Last name
* E-mail address
* Seller id
* Contact No
* E-mail address
* Residential address
* The Security Question information

The updatable items as described below.

* Selected Question
* Answer
* **Upload product**

• As the result of uploading instrument details as per Requirements, seller will give details of products which will be available for sell in system as described below.

* Instrument name
* No of keys if instrument is keyboard
* Demo video
* Accessories details
* Warranty period
* Price
* Photos
* **Update Product**

• To update the product sellers login is required seller can update information describe below :

* Instrument name
* No of keys if instrument is keyboard
* Demo video
* Accessories details
* Warranty period
* Price
* Photos
* After updating instrument details seller will confirm and then select update option. After update product system will provide to upload the instrument by select option upload.
* **Registration cancel Process**
* To cancel registration Login is Required
* Login
* System will provide Cancel registration for seller
* **Admin Module**

**•** Administratorshould be responsible for following activities

* **2.3.1 Login Process**
* Musical Instrument shopping app System always compels user authentication before using itself except when a new account is successfully created.
* The user authentication demands admin id and Password. The admin ID and the Password should be checked .
* First, The admin ID and the Password should be existed and correct.
* If The admin ID and the Password are not equal to what the admin has registered, the Admin authentication cannot be provided.
* Second, When the User select is Admin login, user can be placed on “Admin Home”.
* The Admin account will alive for so long as the duration decided by Admin.
* Login information should be entered on one screen, and then User information and Security Question information should be entered on another screen.
* The “Admin Home” provides the some items described as below.
* A trigger to logout
* A trigger to update Account
* A trigger to Change Password
* A trigger to Search Product
* A trigger to authentication of seller
* A trigger to Delete any Product
* **2.3.2 Forgot Password Process**
* When system user lost their Password, the recovery method should be provided by Shopping App.

The recovery method is described as below.

* First, system user enters their Username
* Next, application demands Question will asked be by the System to Admin and answer is registered by the System.
* Answer is correct, User get the new password by E-mail which also has been registered since when the Account was created.
* If the Answer is not correct, the correct Answer is demanded for admin again by system.
* In that case, Of course, admin couldn’t get the old password.
* **Change Password Process**
* When seller wants to change their Password, the measure should be provided by this System.
* Therefore, System will provide the function which is available after getting the admin authentication.
* The function demands the current password and the new password.
* Of course, the new password should valid as per condition as old password.
* The new password is demanded to enter twice to avoid a typing error.
* The new password is saved in database replace old password.
* Only when the current password is correct, admin can change their Password.
* When the current password is changed into new password, System compels admin authentication again.
* **Update Account Process**
* System will provide the function which makes the account updated for admin.
* All items are compulsory demanded, but updating is optional.
* The user can update information after login
* The updatable items as described below.
* First name + Last name
* E-mail id
* Admin id
* Contact No
* Password
* The Security Question information

The updatable items as described below.

* Selected Question
* Answer
* **See Products**
* Admin can see all instruments
* Products requirements are described as below.
* Instrument name
* No of keys if instrument is keyboard
* Demo video
* Accessories details
* Warranty period
* Price
* Photos
* The “Search Product” provides the some items described as below.
* remove product

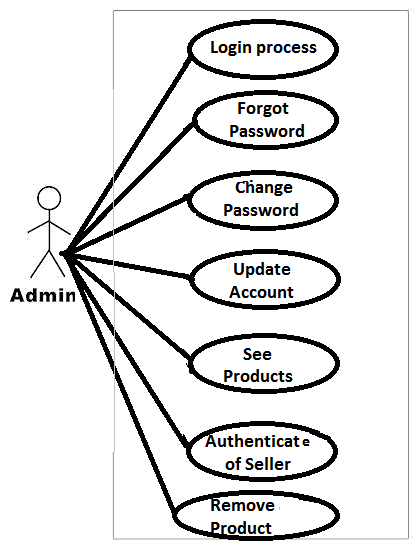
**2.3.6. Authentication of seller**

* After login the system admin can add or remove any seller as per rating and feedback report observation.
* System will provide list of seller name active in system.
* Front of name remove option is provided by system for easily operation.
* Admin can request any one seller to join this app sell their product on this system.

* **2.4 Use Case Diagram**

**Admin:**

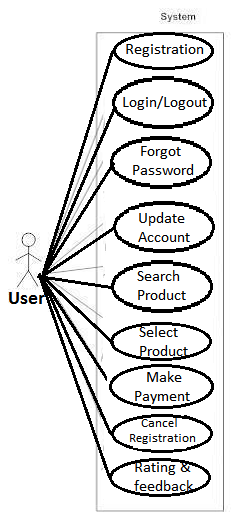
* In Admin use case diagram Admin is the Actor.
* Admin can handle following use cases:
* Login
* Forgot Password
* Change his accounts Password
* Update his Account
* See Products which is currently avilable
* Authentication of Seller (Add Seller or Remove seller)
* Can remove any Product

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*Fig. Use case diagram for admin*

**User:**

* In User use case diagram Farmer is the Actor.
* Farmer can handle following use cases:
* Registerration in System
* Update Account
* Search Product
* Select Product
* Login /logut Account
* Forgot Password
* Remove instrument from Cart
* Payment methodsystem.
* Rating and feedback

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*Fig. Use case diagram for User*

**Seller Module:**

* In Seller use case diagram Seller is the Actor**.**
* Seller can handle following use cases:
* Register
* Login/Logout
* Forgot Password
* Update Account
* Upload Product information with photos and demo videos
* Update Product
* Cancel registration



*Fig. Use case diagram for Seller*