**Detailed Design**

1. **Introduction:**

The purpose of preparing this document is to explain complete design details of our Online Gift Shop.

This detailed design report will mainly contain the general definition and features of the project, design constraints, the overall system architecture and data architecture. Additionally, a brief explanation about our current progress and schedule of the project will be provided in related sections. Design of the system and subsystems/modules will be explained both verbally and visually by means of diagrams in order to help the programmer to understand all information stated in this document correctly and easily.

1. **Applicable documents:**

The documents used during detailed design are:-

* System Requirements Document
* System Design
* Database Design

1. **Structure of the software package**:

The Components are –

* **Login module:** In this module login option is provided to login. Also new signup option is provided to for new user to sign up.
* **Shop owner module:** Any user can submit a shop creation request through online. When the request is approved by the Administrator, the requester is notified, and from there on is given the role of Shop Owner. The Shop Owner is responsible for setting up the shop and maintaining it. The shop owner can add or remove items from his shop. The Shop Owner can view different reports that give details of the sales and orders specific to his shop. The Shop Owner can also decide to close shop and remove it from the website.
* **Category module:** This module is to define different types of main category and sub category. The subcategory products will display under the main category.
* **Products module:** The shop owner has the authority to add or delete items from online gift shop. Shop owner also has the right to modify those details. They can add new products by entering product name, product price, product description, category, etc.
* **Shopping module:** The customer can select the items and put it into a cart and as soon as he clicks on finish, the total amount to be paid is displayed and also provides discount if any. View cart screen shows all the selected items, here quantity as to be entered. And also option is provided to deselect the products. The customer can pay cash on delivery or else he can pay by entering his credit card number and address to which the items have to be shipped. The system generates bill after making payment.
* **Order module:** Here customer can see all the order details that he placed. When customer clicks the "Order" link it will go straight to the "Paid" orders.
* **Admin module:** Administrator has full permission to access this web site. Administrator or employees can handle customer details, and he can communicate with customers through mail. If customer forgets his password employee can reset his password.
* **Reports module:** Here user can track purchase details, sales details, monthly report, weekly sales report, etc.
* **Dashboard module**: The dashboard module is for administrator where admin can add items, staff, category, promo code, etc.

1. **Modular Decomposition Of Components:**

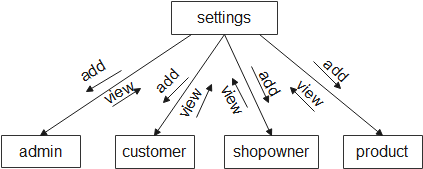
**4.1. SettingsComponent:**

**4.1.1. Identification of Modules:**

The modules identified in this component are:

* + Admin module
  + Customer module
  + Shop Owner module
  + Product module

**4.1.2. Structure chart for Settings:**



**4.2. CustomerComponent:**

**4.2.1. Identification of Modules:**

The modules identified in this component are:

* Registration
* Login module
* Change password
* Update customer profile

**4.2.2. Structure chart for Customer:**

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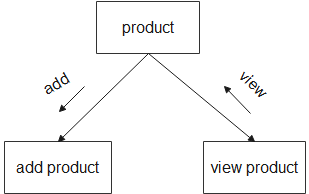
**4.3. Product recordsComponent:**

**4.3.1. Identification of Modules:**

The modules identified in this component are:

* Add product
* View product

**4.3.2. Structure chart for Productrecords:**



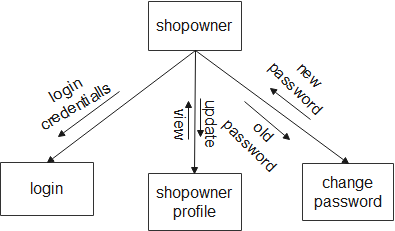
**4.4. Shop OwnerComponent:**

**4.4.1. Identification of Modules:**

The modules identified in this component are:

* Login module
* Change password
* Update shopowner profile

**4.4.2. Structure chart for Shop Owner:**



**4.5. Billing Component:**

**4.5.1. Identification of Modules:**

The modules identified in this component are:

* Billing module
* Billing record module
* Item delivery report

**4.5.2. Structure chart for Billing:**

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**Structured English**

**ADMIN LOGIN :**

BEGIN

IF (click on Admin Login) then Check the loginid and password, of the admin exists then

redirect to appropriate panel

ELSE

Display a message “failed to login”

END IF

End

**ADD ADMINISTRATOR FORM:**

BEGIN

IF (click on submit) THEN

The administrator information from the form are inserted into the database and a success

message is displayed

END IF

END

**VIEW ADMINISTARTOR FORM:**

BEGIN

IF (click on edit) THEN

Form is displayed with appropriate administrator details for the administrator to update

ELSE IF (click on delete) THEN

The appropriate administrator record is deleted from the database

END IF

END

**ADD CATEGORY FORM:**

BEGIN

IF(click on submit) THEN

The category information from the form are inserted into the database and a success

message is displayed

END IF

END

**VIEW CATEGORY FORM:**

BEGIN

IF (click on edit) THEN

Form is displayed with appropriate category details for the administrator to update

Else if (click on delete) THEN

‘The appropriate category record is deleted from the database

END IF

END

**ADD SUBCATEGORY FORM:**

BEGIN

IF(click on submit) THEN

The subcategory information from the form are inserted into the database and a success

message is displayed

END IF

END

**VIEW SUBCATEGORY FORM:**

BEGIN

IF (click on edit) THEN

Form is displayed with appropriate subcategoty details for the administrator to update

ELSE IF(click on delete) THEN

The appropriate category record is deleted from the database

END IF

END

**VIEW Customer FORM:**

BEGIN

IF (click on delete) THEN

The appropriate customer record is deleted from the database

END IF

END

**ADD PRODUCT FORM:**

BEGIN

IF (click on submit) THEN

The product information from the form are inserted into the database and a success

message is displayed

END IF

END

**VIEW PRODUCTS :**

BEGIN

IF (click on edit) THEN

Form is displayed with appropriate product details for the administrator to update

ELSE IF (click on delete) THEN

The appropriate product record is deleted from the database

ELSE IF(click on view type) THEN

The administrator can view the type of the different products it includes color, size

and image

END IF

END

**ADD notification FORM:**

BEGIN

IF (click on submit) THEN

The notification information from the form are inserted into the database and

success message is displayed

END IF

END

**VIEW NOTIFICATION FORM:**

BEGIN

The appropriate notification record is deleted from the database

 END

**VIEW tYPE FORM:**

BEGIN

IF (click on submit) THEN

The type information from the form are inserted into the database and a success

message is displayed

END IF

END

BEGIN

IF (click on edit) THEN

Form is displayed with appropriate type details for the administrator to update

ELSE IF (click on delete) THEN

The appropriate type record is deleted from the database

END IF

END

**PURCHASE REPORT**

BEGIN

  All purchase records from the database is retrieved and displayed in the form.

END

**BILLING REPORT**

BEGIN

  All billing records from the database is retrieved and displayed in the form.

END

**Log out**

* BEGIN

IF(press on logout) THEN

It displays home page.

END IF

END

**CUSTOMER REGISTRATION :**

* BEGIN

IF (click on submit) THEN

Customer details from the form is inserted into the database.

ELSE

Record will not be inserted into database.

END IF

END

**CUSTOMER LOGIN :**

BEGIN

IF(click on Login) THEN

Check the loginid and password, of the customer exists then redirect to appropriate panel

ELSE

Display a message “failed to login”

END IF

END

**Change password form:**

BEGIN

IF(old password and emailed matches) THEN

Change the password to new password

ELSE

Display a message “Old password and emailid doesn’t match”

END IF

END

**FORGOT PASSWORD:**

BEGIN

IF(valid emailed entered)

Link will be send to the email id and using that we can change the password.

ELSE

Password will not be retrived and changed.

END IF

END

**ADD shipping FORM:**

BEGIN

IF (click on submit) THEN

The shipping information from the form are inserted into the database and a success message

is displayed

END IF

END

**VIEW SHIPPING FORM:**

BEGIN

IF (click on edit) THEN

Form is displayed with appropriate shipping details for the customer to update

ELSE IF (click on delete) THEN

The appropriate shipping record is deleted from the database

END IF

END

**CHANGE PROFILE:**

BEGIN

IF (click on change profile) THEN

The basic profile of the customer is changed and a success message is displayed

ELSE

Profile will not be changed.

END IF

END