

**PROJECT REPORT**

**BRIDAL SHOP**

**Website Name:**

***BRIDAL BOUTIQUE***

**TEAM MEMBERS**

MARY MATHEWS

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SECTION: 0W1

SECTION: 0W2

## Project Description:

- Bridal Boutique is a website that allows users to browse 6 different categories of bridal products.
- The categories are:
  - Western Wedding Dresses
  - North Indian Wedding Dresses
  - South Indian Wedding Dresses
  - Accessories & Lingerie
  - Jewellery
  - Cosmetics
- A user can create an account with their email id, there is no separate username.
- A user can login.
- A user can view the products available for each category on a different page, with the option to switch between category pages at any time.
- A user can search for specific items within each category.
- A user can filter out items based on minimum and maximum price.
- Each page shows a maximum of 20 products.
- A user has the option to add any item to their wishlist.
- An item can be added to a user's wishlist only once (i.e. the user cannot add the same item to their wishlist multiple times) and for adding an item to the wishlist the assumption is that no size is selected. The user can see all sizes in stock while viewing an item's details.
- The user can view their wishlist at any time.
- The user can delete items from their wishlist. Once an item is deleted from the wishlist, it can later be added to the wishlist again by the user.
- If the user does not have any wishlisted products, the message: 'Your wishlist is empty!' is displayed.
- If the user has at least one item in their wishlist they can book an appointment with one or more of the wishlisted items.
- If the user has no items in their wishlist, they do not have the option to book an appointment.
- On the book appointment page, the user can select the specific sizes and quantities they want to book an appointment with, for each item in their wishlist.
- The user does not have to book an appointment with all items in the wishlist, but they need to choose the size and quantity for at least one item.
- The user can see an indicator of the available stock of each item and if they enter a quantity greater than this value or less than one, an error is shown.
- The user can update the sizes and quantities selected, and also delete items from the wishlist.
- The user can choose multiple sizes and quantities for each product in their wishlist based on stock.
- When the user finishes size and quantity selection, they are shown the total price of their selection.
- They can choose a date within the next 4 days, if any appointments are available.

- Once the user chooses a date, they can choose a time slot. The options are 10am, 12pm, 2pm, and 4pm. Only slots that have not yet been booked are displayed.
- Once the item confirms their appointment date and time, they are taken to the appointment history page where they can view all their past and current appointment items, sorted in reverse chronological order.
- The user can also view their appointment history at any time by going to the 'Profile' page.
- When the user books an appointment with the selected items, the quantity of the remaining items is updated in the database.
- Admin users can log in directly, they are privileged users that can manage the products on the website. Their login credentials and details are assumed to be added directly in the database.
- Admin users do not have a wishlist or appointment history.
- The admin users can search for items within each category and filter based on price.
- They can switch to another category at any time.
- The admin users can add an item.
- The admin can add a new product without any images since the item may be marked as deleted and images can be added later while editing the product details.
- While uploading images during add or edit product functions, the admin must select all image files from the system at the same time (i.e. one upload operation for multiple images)
- While adding an item, the admin can mark the item as 'Deleted' or 'Included'.
- Admin users can delete or update items on each category listing dashboard.
- Once an item is deleted, the admin has the option to 'Restore' the item.
- The admin can update a product's name, description, price, available sizes and quantities, delete images, and add new images.
- Admin users can see a maximum of 20 items per page.
- If a user attempts to perform any functionality like View Wishlist, Add to Wishlist, etc. while not logged in, they are redirected to the login page.

## Database Structure:

```
CREATE SCHEMA boutique;

CREATE TABLE account (
    email VARCHAR(320) PRIMARY KEY,
    name VARCHAR(100),
    h_password BINARY(60),
    is_admin BOOLEAN
);

CREATE TABLE category (
    category_id CHAR(4) PRIMARY KEY,
    category_name VARCHAR(50)
);

CREATE TABLE item (
    item_id INT PRIMARY KEY AUTO_INCREMENT,
    price FLOAT(11,2) UNSIGNED NOT NULL,
    category_id CHAR(4) NOT NULL,
    item_name VARCHAR(100) NOT NULL,
    item_description VARCHAR(1000) NOT NULL,
    deleted BOOLEAN,
    CONSTRAINT item_cat_fk FOREIGN KEY(category_id) REFERENCES
category(category_id)
);

CREATE TABLE item_size (
    item_id INT,
    size ENUM('one-size', '0', '2', '4', '6', '8', '10', '12',
'14', '16', '18', '20') NOT NULL,
    quantity INT UNSIGNED NOT NULL,
    PRIMARY KEY(item_id, size),
    CONSTRAINT size_item_fk FOREIGN KEY(item_id) REFERENCES
item(item_id)
);

CREATE TABLE item_images (
    item_id INT,
    image_id VARCHAR(100),
    PRIMARY KEY(image_id, item_id),
    CONSTRAINT image_item_fk FOREIGN KEY(item_id) REFERENCES
item(item_id)
);

CREATE TABLE appointment (
    appt_id INT PRIMARY KEY AUTO_INCREMENT,
    email VARCHAR(320) NOT NULL,
    appt_date DATE NOT NULL,
```

```

    appt_start_time ENUM('10', '12', '2', '4') NOT NULL,
    FOREIGN KEY(email) REFERENCES account(email)
);

CREATE TABLE appointment_items (
    appt_id INT,
    item_id INT,
    size ENUM('one-size', '0', '2', '4', '6', '8', '10', '12',
'14', '16', '18', '20'),
    quantity INT UNSIGNED NOT NULL,
    PRIMARY KEY(appt_id, item_id, size),
    FOREIGN KEY(item_id, size) REFERENCES item_size(item_id,
size),
    FOREIGN KEY(appt_id) REFERENCES appointment(appt_id)
);

CREATE TABLE wishlist (
    email VARCHAR(320),
    item_id INT,
    PRIMARY KEY(email, item_id),
    FOREIGN KEY(item_id) REFERENCES item(item_id),
    FOREIGN KEY(email) REFERENCES account(email)
);

DELIMITER $$

CREATE TRIGGER update_inventory
AFTER INSERT
ON appointment_items FOR EACH ROW
BEGIN

UPDATE item_size SET quantity = (quantity - NEW.quantity) WHERE
item_id = NEW.item_id AND size = NEW.size;
END$$

DELIMITER ;

```

## Languages and Frameworks:


<i><u>Language / Library / Framework</u></i>	<i><u>Use</u></i>
<b>Flask (Python)</b>	Server-side scripting
<b>HTML</b>	Page structure
<b>CSS</b>	Page styling
<b>Bootstrap</b>	Page styling
<b>Jinja template engine</b>	Displaying data
<b>jQuery (JavaScript)</b>	Client-side scripting
<b>MySQL</b>	Database
<b>Sweetalert2</b>	Dialogs and alerts
<b>Google fonts</b>	Font styling

Work Division:

TEAM MEMBER	FUNCTIONALITY
Mary Mathews	Database Design
Sai Manasa Vedantam	Database Design
Mary Mathews	Homepage
Mary Mathews	Item listing
Mary Mathews	Product details
Mary Mathews	Sign Up
Sai Manasa Vedantam	Log In
Sai Manasa Vedantam	Search
Sai Manasa Vedantam	Filtering
Sai Manasa Vedantam	Pagination
Mary Mathews	Pagination
Mary Mathews	User Profile
Sai Manasa Vedantam	Admin Profile
Sai Manasa Vedantam	Admin Dashboard
Mary Mathews	Wishlist, Add to Wishlist
Sai Manasa Vedantam	Add New Item (Admin)
Mary Mathews	Book Appointment
Mary Mathews	Appointment History
Sai Manasa Vedantam	Update Item Details (Admin)
Sai Manasa Vedantam	Delete Item (Admin)

## Screenshots:

### User View of Items



LogoutProfileWishlist

#### Customize your Search

Search

Minimum Price ( \$ )

0

Maximum Price ( \$ )

5000

Apply Preferences

#### Explore


Western

North Indian

South Indian

Accessories & Lingerie


Home / Western



EMBROIDERED V-NECK WEDDING DRESS WITH TULLE SKIRT

♥ Add to Wishlist


Price: \$ 549.0



CREPE OFF-THE-SHOULDER SHEATH WEDDING DRESS

♥ Add to Wishlist


Price: \$ 245.0



STRAPLESS SATIN WEDDING DRESS WITH SKIRT SLIT

♥ Add to Wishlist

Price: \$ 245.0




ILLUSION CAP SLEEVE LACE APPLIQUED WEDDING DRESS

♥ Add to Wishlist

Price: \$ 505.0

### Admin Dashboard



Add itemLogoutProfile

#### Filter Products

Search

Minimum Price ( \$ )

0

Maximum Price ( \$ )

5000

Apply

#### Choose Catgeory


Western

North Indian

South Indian


Accessories & Lingerie

Home / Western




Embroidered V-Neck Wedding Dress with Tulle Skirt

\$ 549.0 Edit Delete




Crepe Off-the-Shoulder Sheath Wedding Dress

\$ 245.0 Edit Delete




Strapless Satin Wedding Dress with Skirt Slit

\$ 245.0 Edit Delete



Illusion Cap Sleeve Lace Appliqued Wedding Dress

\$ 505.0 Edit Delete




Flutter Sleeve Stretch Satin Dress with Ruffle Hem

\$ 15.41 Edit Delete




## Product Detail View



LogoutProfileWishlist

Explore

Home / Western / Embroidered V-Neck Wedding Dress with Tulle Skirt



### EMBROIDERED V-NECK WEDDING DRESS WITH TULLE SKIRT

\$ 549.0


Detailed with luxe embroidered appliques and three different types of lace, this elegant glitter tulle wedding dress will be the dream dress of boho and romantic brides alike. Crochet trim along the V-neckline, open back, and waist adds a dainty finish to the illusion-accented bodice and beautifully contrasts the dramatic skirt.

Sizes Available:

024681012

Add to Wishlist

## Wishlist




LogoutProfileWishlist

Explore


Wishlisted Items

Book Appointment With Wishlisted Items



### Embroidered V-Neck Wedding Dress with Tulle Skirt


\$ 549.0



### Crepe Off-the-Shoulder Sheath Wedding Dress

\$ 245.0

## Admin Edit Item



LogoutProfile

Choose Category

Home / Western

Western

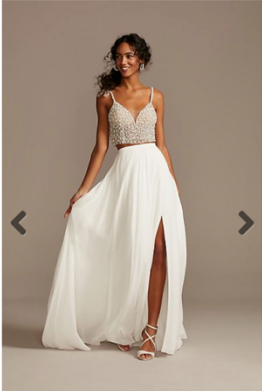
North Indian


South Indian

Accessories & Lingerie

Jewellery

Cosmetics





Name:

Chiffon Wedding Separates Circle Skirt with Slit

Price:

249.41

Description:

Floaty chiffon gives this plus size wedding separates skirt romantic movement, while a thigh-high slit adds modern edge. Designed to be mixed and matched with our wedding separate tops.


Size & Quantity:

Size: 0 Quantity: 11

Size: 2 Quantity: 14

Size: 4 Quantity: 16

## Book Appointment



LogoutProfileWishlist

Explore

Western

North Indian

South Indian

Accessories & Lingerie

Jewellery

Cosmetics

Book Your Appointment

Continue

Embroidered V-Neck Wedding Dress with Tulle Skirt

\$ 549.0

Select item size and quantity:

Size

Quantity

0

Currently Unavailable

2

4

1

Please select a quantity between 1 and 10

6

8

1

Please select a quantity between 1 and 7