

WEDDING DRESS RENTAL SYSTEM

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This report is submitted on practical fulfillment of the requirement of the course
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DECLARATION

I the undersigned solemnly declare that the project report WEDDING DRESS RENTAL SYSTEM which is submitted in the partial fulfillment of the requirements for the award of the DIPLOMA IN INFORMATION TECHNOLOGY is based on my own work carried out during the course of my study under the supervision of Mr. Akila Jayasanka.

The work contained in the report is original and has been done by me under the general supervision of my supervisor.

The work has not been submitted to any other Institution for any other degree/diploma/certificate in this University or any other educational institute.

Whenever I have used materials (data, images, and text) from other sources, I have given due credit to them in the text of the report and giving their details in the references.

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Signature

ACKNOWLEDGEMENT

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Introduction

1.1 Introduction

This project is designed to be used by the owners of the Wedding Dress Rental Service Company or by its employers. It is a fully computerized system that can view available dresses, customers, and users. Here mainly the customers, the dress owners, the dress items, and the users of the system are mainly focused and the database keeps records of the above-mentioned data moreover the rent, receive data to provide reports and sales of the company.

1.2 Reason for the project

Due to the high competition in the modern world, all the companies have joined hands with technology. As a result of that many companies try to be smart using different systems in their companies. So I identified a need of handling customers in a rental service and so that I developed software using VB.NET for a wedding dress rental service system. So that company will be provided the following services.

- Enhance the business process and its efficiency
- Quick access to the records
- Customer registration and keep records: easy to update

1.3 Problem Statement

A wedding dress rental service is a dress that can be used temporarily for a fee during a specified period. Getting a rental dress helps people get around despite the fact they do not have access to their own dresses as some have more than 10 weddings per month so that it's a wastage buying new dresses. The individual who needs a dress must come to the rental company and contract out for a dress. This system increases customer retention and simplifies the work of staff management.

1.4 Aims and Objectives

- To produce a computer-based system that allows users to register new customers, new dresses, new dress owners and effectively manage them whenever needs.
- To ease in calculating bills and totals

1.5 Scoop

This project traverses a lot of areas ranging from business concept to computing field and is required to perform several types of research to be able to achieve the project objectives. The area covers include:

- Rental industry: This includes the study on how a rental service is being done, the process involved, and the opportunity that exist for improvement.
- VB.NET Technology used for the development of the application.
- General customers, as well as the company's staff, will be able to use the system effectively with their knowledge.

Tools and Technology

Here I mainly used two applications to develop my system. They are Visual Basic.NET and Microsoft Access Database.

Visual Basic:

Microsoft launched Visual Basic 2012 in the year 2012. It is a fully object-oriented programming language implemented on the .NET Framework. Similar to the earlier version of VB.NET programming languages, VB2012 is integrated with other Microsoft Programming languages in an IDE called Visual Studio Express 2012. The language is not case sensitive and the garbage collection process has been automated. This language provides windows forms so that users can design and code as they wish. VB.NET allows one to enjoy the drag and drop feature when creating a user interface.

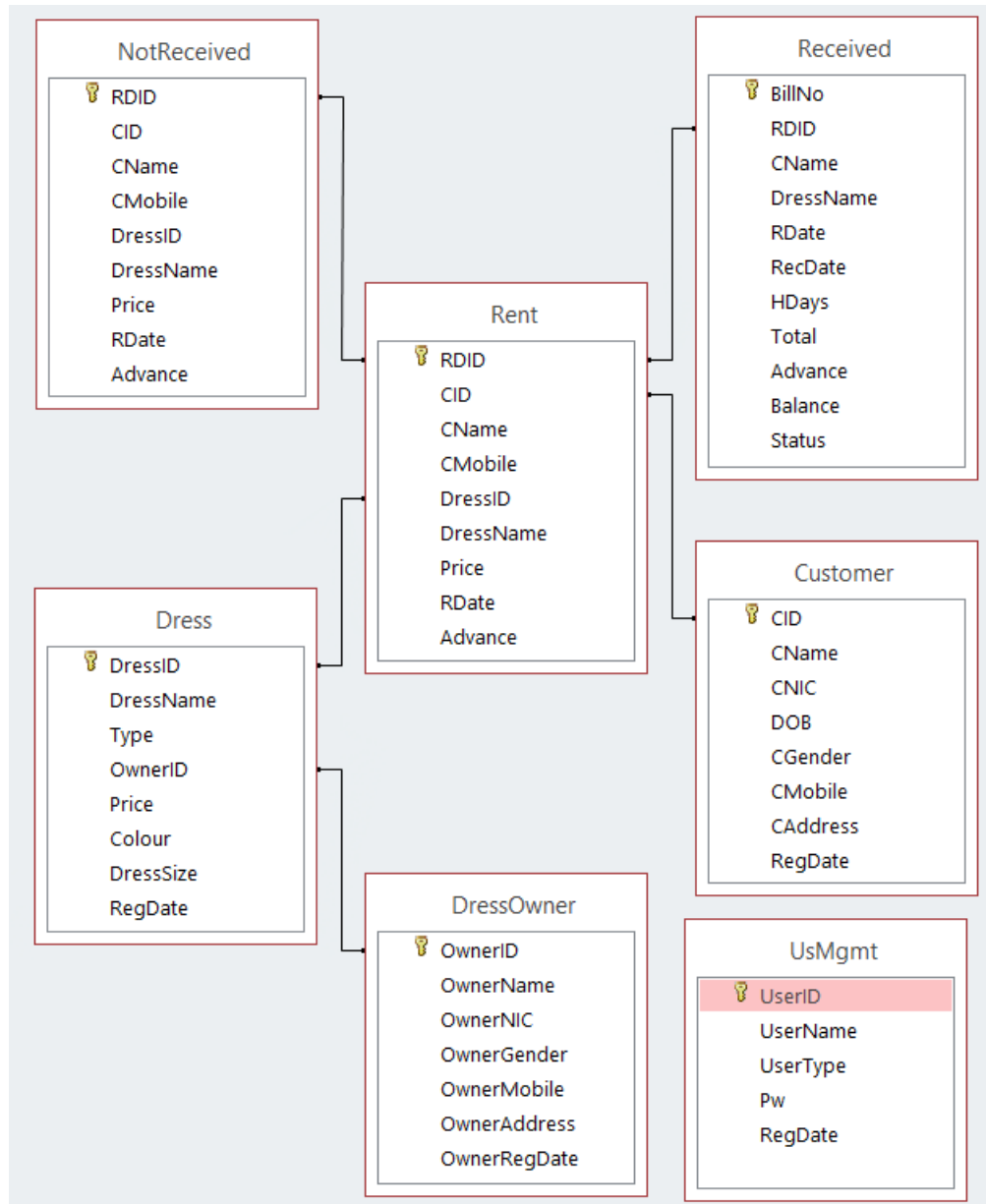
MS Access:

MS Access is a database management tool that helps to keep data. This application enables one to retrieve, sort, summarize and report results speedily and effectively. It can combine data from various files through creating relationships, and can make data entry more efficient and accurate. Microsoft Access enables one to manage all important information from a single database file. Within the file, one can use:

- Tables to store data.
- Queries to find and retrieve specific data of interest.
- Forms to view, add, and update data in tables.
- Reports to analyze or print data in a specific layout.
- Data access pages to view or update, the data.

In MS Access, data is stored once in one table, but can be viewed from multiple locations. When the data is updated in a Table, Query or Form, it is automatically updated everywhere it appears. Moreover the use of access in this project is because access can be linked to VB.NET as a data storage.

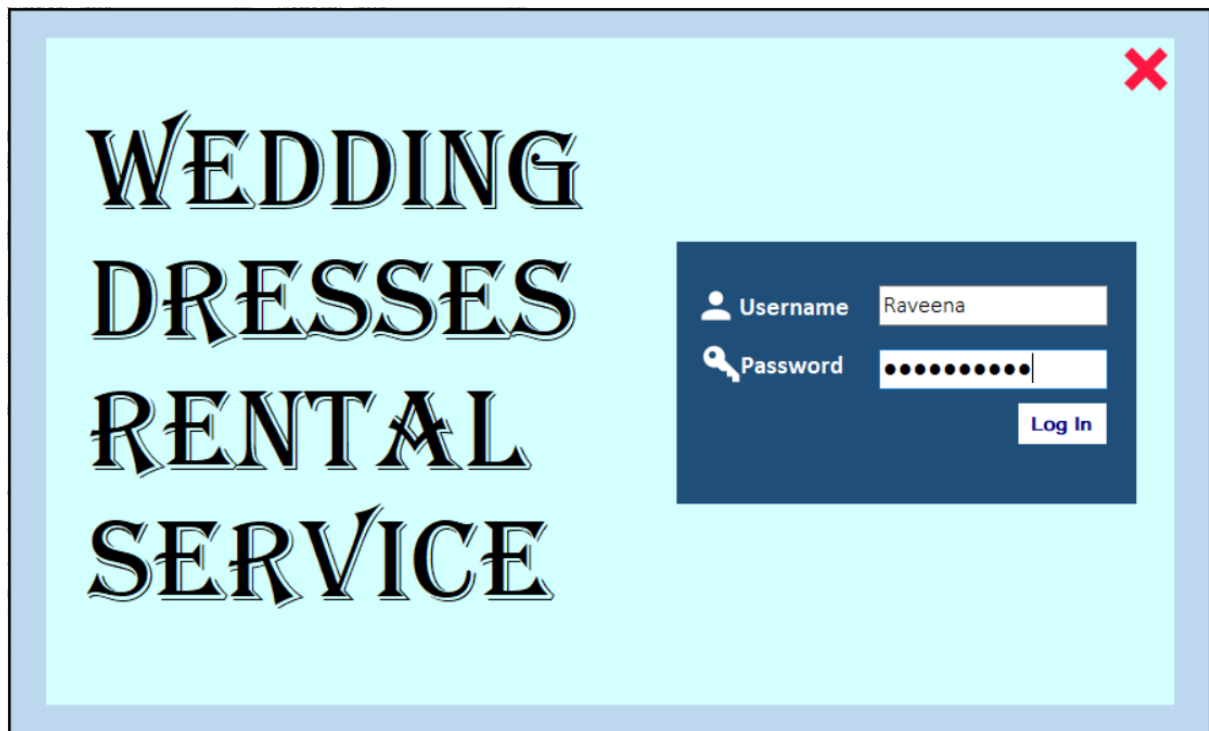
ER Diagram of the system



Features

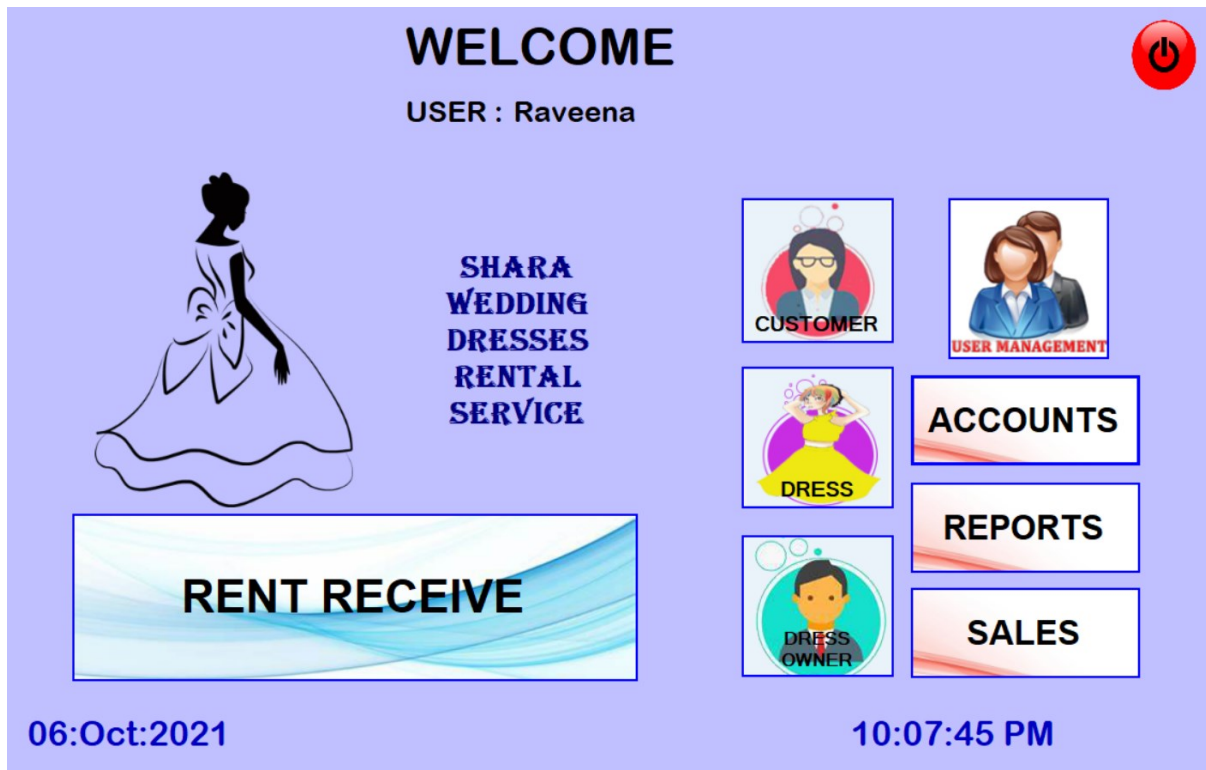
There are so many special and interesting featured I have used. Some of them are described here.

01. Log In Form

The image shows a screenshot of a web application window titled "WEDDING DRESSES RENTAL SERVICE". The window has a light blue background and a dark blue border. On the left side, the title is written in a large, stylized, black serif font. On the right side, there is a dark blue rectangular box containing a login form. The form has two input fields: "Username" with the text "Raveena" and "Password" with a masked password represented by dots. Below the password field is a "Log In" button. A red "X" icon is visible in the top right corner of the window.

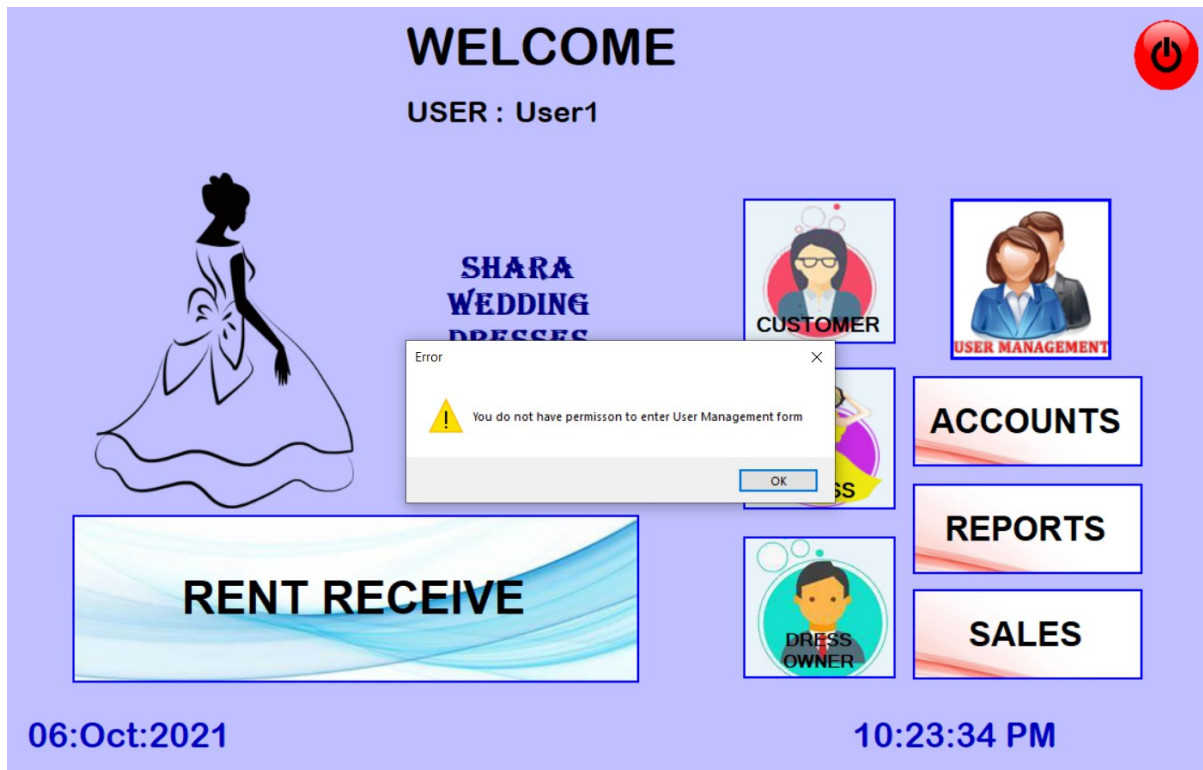
This is the first form of the system. The users of the company or administrators can log in using their Usernames and Passwords.

02. Main Window

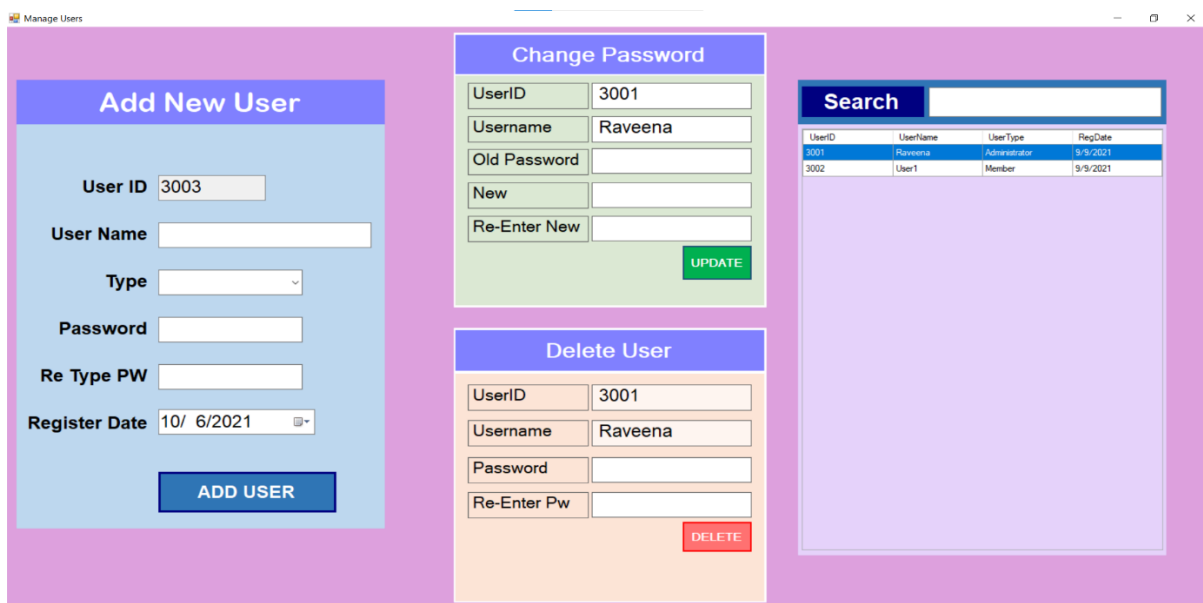


This is the main directory window. The date and time will be shown accurately and moreover at the top the logged person's username can be seen.

03. User Management



The users have not permitted to the user management window unless he or she has to be an administrative of the company. Only if the User Type is Administrator he/she has the access to log in to the user management window.



Here the all users can be seen in the data grid view. From a mouse click of a record the data can be taken to the text boxes in the Change password panel and delete user panel. And also by entering data to Add new user administer of the company can add another user or another administer. Here the Passwords are checked before saving, updating and deleting.

04. Customer, Dress and Dress Owner

The windows are pretty same. There is another form opening to add new. The ID s will be automatically shown.

ADD CUSTOMER

CUSTOMER ID

NAME

NIC

BATE OF BIRTH

GENDER

MOBILE

ADDRESS

REGISTER DATE

SAVE CANCEL

ADD DRESS

DRESS ID

NAME

TYPE

OWNER

PRICE

COLOUR

SIZE

REGISTER DATE

SAVE CANCEL

ADD DRESS OWNER

DRESS OWNER ID

NAME

NIC

GENDER

Mobile

Address

Register Date

SAVE CANCEL

The above forms can be seen only when clicking add new from the below main windows. The features of the below forms are also when you click arrow keys or mouse click on a record in the data grid view the data will appear on the text boxes so that the data can be updated or can be deleted the whole record.

MANAGE CUSTOMERS

CUSTOMER ID

NAME

NIC

DATE OF BIRTH

GENDER

MOBILE

ADDRESS

REGISTERED DATE

+ ADD CUSTOMER

DELETE CUSTOMER

UPDATE CUSTOMER

CUSTOMER ID	NAME	NIC	DATE OF BIRTH	GENDER	MOBILE	ADDRESS	REGISTERED DATE
101	Customer 1	902314532V	3/21/1990	MALE	772314563	132, Test, Addr...	8/7/2021
102	Customer 2	901245325V	7/13/1990	FEMALE	773452671	12/C, Test Addr...	8/8/2021
103	Customer 3	990345612V	7/15/1999	FEMALE	314526349	121, Test Addr...	8/12/2021
104	Customer 4	903245671V	8/18/1990	MALE	725639129	324/A, Test, Ad...	8/22/2021
105	Customer 5	905643214V	10/4/1990	FEMALE	312245623	2, Test, Address	8/28/2021
106	Customer 6	993450120V	7/15/1992	FEMALE	714393555	45/C, Test, Add...	8/31/2021
107	Customer 7	20002547890	8/10/2000	FEMALE	713456872	32/A, Test, Add...	9/1/2021
108	Customer 8	988721784V	11/12/1998	FEMALE	725632904	90/21/A, Test, A...	9/2/2021
109	Customer 9	897654230V	12/7/1989	FEMALE	784520740	12/A, Test, Add...	9/3/2021
110	Customer 10	2002305296	8/14/2002	FEMALE	775402543	32/B, Test, Add...	9/3/2021
111	Customer 11	783209347V	7/19/1978	FEMALE	789045320	765, Test, Sddr...	9/3/2021

+

ADD NEW DRESS

🗑️

DELETE DRESS

✎

UPDATE DRESS

DRESS ID

15005

PRICE

32000

NAME

Test Dress 05

COLOUR

BLUE

TYPE

SAREE

SIZE

M

OWNER

Test Owner 02

REGISTERED DATE

8/30/2021

DRESS ID	DRESS NAME	DRESS TYPE	OWNER ID	PRICE	COLOUR	SIZE	REGISTERED DATE
15002	Test Dress 02	FROCK	1002	30000	BLUE	L	8/30/2021
15003	Test Dress 03	LEHENGA	1002	15000	BLACK	L	8/30/2021
15004	Test Dress 04	OTHER	1001	35000	OTHER	XL	8/30/2021
15005	Test Dress 05	SAREE	1002	32000	BLUE	M	8/30/2021
15006	Test Dress 06	SALVAR	1003	40000	BLACK	M	9/2/2021
15007	Test Dress 07	SAREE	1004	50000	WHITE	M	9/10/2021
15008	Test Dress 08	SAREE	1003	60000	BLUE	XL	9/10/2021

+

ADD NEW OWNER

🗑️

DELETE OWNER

✎

UPDATE OWNER

OWNER ID

1004

NAME

Test Owner 04

NIC

903452495V

GENDER

FEMALE

MOBILE

778932457

ADDRESS

1111,Test, Address

REGISTERED DATE

Wednesday, September 1, 2021

OWNER ID	NAME	NIC	GENDER	MOBILE	ADDRESS	REGISTERED DATE
1001	Test Owner 01	000000000V	MALE	777123456	001, Test Address	8/30/2021
1002	Test Owner 02	111111111V	FEMALE	119900220	120/2, Test Address	8/30/2021
1003	Test Owner 03	883456789V	MALE	771234567	1234, Test Address	8/30/2021
1004	Test Owner 04	903452495V	FEMALE	778932457	1111, Test, Address	9/1/2021
1005	Test Owner 05	987634526V	FEMALE	713924572	129/B, Test, Address	9/2/2021
1006	Test Owner 06	908754327V	FEMALE	782946352	093/C, Test, Address	9/3/2021
1007	Test Owner 07	943625918V	FEMALE	756723913	435, Test, Address	9/3/2021
1008	Test Owner 08	890245214V	MALE	703921493	30/B/11, Test, Address	9/4/2021

05. Rent and Receive

When you click Rent Receive button you are directed to a window that appears like the picture below. This form is designed using panels. So there are 4 main panels. The first one is the Rent panel.

RENT AND RECEIVE

RENT DOC ID: 21009

CUSTOMER: Customer 10 - 110 Click Me

CUSTOMER MOBILE: 775402543

DRESS: Test Dress 03 - 15003 Click Me

PRICE: 15000

DATE OF RENT: 10/ 6/2021

ADVANCE:

SAVE CANCEL CLEAR

Left Panel:

- RENT (selected)
- RECEIVE
- RECEIVED
- NOT RECEIVED

Then the rent doc number will automatically be generated and the user has to select the customer from the drop down menu and just “click me” button. Same work for dress also. Then the rest of the data will automatically be filled. By the given advance of the customer, user has to manually fill the advance text box and then click “save”. Then it can be seen in the not received panel. If not you can cancel and go back or clear the data and enter new. The not received panel is like this. All the dresses and details of the record can be seen in this panel by the data grid view.

RENT AND RECEIVE

RENT DOC ID	CUSTOMER ID	CUSTOMER	MOBILE	DRESS ID	DRESS NAME	PRICE	DATE OF RENT	ADVANCE
21003	103	Customer 3	314526349	15004	Test Dress 04	35000	9/1/2021	20000
21004	105	Customer 5	312245623	15002	Test Dress 02	30000	9/1/2021	12000
21005	102	Customer 2	773452671	15005	Test Dress 05	32000	9/2/2021	21000

Left Panel:

- RENT
- RECEIVE
- RECEIVED
- NOT RECEIVED (selected)

Then if the company wants to receive a dress after the renting period It can be done using the receive panel.

Bill no will be automatically generated and the user has just to select the rent doc id and click the fill data button. Then the system will be showing the related data in the correct text boxes. And when he/she select the received date the system calculates the Days Hired and displayed it in the text box.

Then if Generate Bill button is clicked the right-hand side panels and the rest will be displayed. That is for the calculation for the total. The status must be marked as paid to save the record if not the system does not allow the users to save the record. This helps to minimize many issues in billing. Then the record will be saved to the received table in the database and all the records of it can be seen in the Received panel.

BILL NO	RENT DOC ID	CUSTOMER	DRESS	DATE OF RENT	DATE OF RECEIVE	HIRED DAYS	TOTAL AMOUNT	ADVANCE	BALANCE	STATUS
51001	21001	Customer 1	Test Dress 02	8/29/2021	9/7/2021	9	22350	15000	7350	PAID
51002	21002	Customer 2	Test Dress 03	9/1/2021	9/10/2021	9	11850	5000	6850	PAID
51003	21006	Customer 11	Test Dress 07	9/6/2021	9/10/2021	4	23000	12000	11000	PAID
51004	21007	Customer 5	Test Dress 08	9/10/2021	9/10/2021	0	42000	10000	32000	PAID
51005	21008	Customer 10	Test Dress 06	9/6/2021	9/14/2021	8	29200	10000	19200	PAID

Then for the administrative use purpose, the system contains 3 forms named Accounts, Reports and Sales. The accounts form helps to see the total of Bills, Advanced and Advanced Company got from the dresses not received then.

07. Reports

The reports form help both the users and administrators to see the total customers, dresses, Dress owners, and users count wisely at once and another feature is developed to filter data.

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The users of the system can filter dresses by the dress ID wise, Color wise and size wise. SO the users can give data to the customers quickly as they wish.

REPORTS

We Have...

Total Customers	11
Total Dresses	7

Total Dress Owners	8
Total Users	2

OWNER ID 1002 Load All Colour BLUE Size

DressID	DressName	Type	OwnerID	Price	Colour	DressSize	RegDate
15002	Test Dress 02	FROCK	1002	30000	BLUE	L	8/30/2021
15003	Test Dress 03	LEHANGA	1002	15000	BLACK	L	8/30/2021
15005	Test Dress 05	SAREE	1002	32000	BLUE	M	8/30/2021

DressID	DressName	Type	OwnerID	Price	Colour	DressSize	RegDate
15002	Test Dress 02	FROCK	1002	30000	BLUE	L	8/30/2021
15005	Test Dress 05	SAREE	1002	32000	BLUE	M	8/30/2021
15008	Test Dress 08	SAREE	1003	60000	BLUE	XL	9/10/2021

08. Sales

Then the sales form will be help to see the sales of the company days wisely or whatever period the user or the administrator wish.

SALES

FROM: 10/ 6/2021 TO: 10/ 6/2021 FILTER

Select One

Filter Data Total Count

Total Rent Items	8
Total Received Items	5
Total Advance	105000
Total Profit	128400

First, the form will appear like above and show the sales of the company count wisely. If the user select 2 dates to filter data for a selected period and a table from rent received or not received tables it will filter data and display like below. The count will be also displayed on the left side label.

FormUserMGT

SALES

Filter Data Total Count

4

Total Rent Items

8

Total Received Items

5

Total Advance

105000

Total Profit

128400

FROM:

8/30/2021

TO:

9/ 4/2021

FILTER

Rent

RDID	CID	CName	CMobile	DressID	DressName	Price	RDate	Advance
21002	102	Customer 2	773452671	15003	Test Dress...	15000	9/1/2021	5000
21003	103	Customer 3	314526349	15004	Test Dress...	35000	9/3/2021	20000
21004	105	Customer 5	312245623	15002	Test Dress...	30000	9/1/2021	12000
21005	102	Customer 2	773452671	15005	Test Dress...	32000	9/3/2021	21000

Advantages and Importance

- The main advantage of the system is that the easiness of handling customers effectively.
- No need of records books or to repeat the same details everywhere.
- The calculation can be done accurately without a single delay.
- Have the analytical capabilities. Analyses not manually practical, can be easily done by the system.
- Filtering data is not easy when the records are in books, but it is just few steps to filter using the system.
- No need to keep duplicate records. Reducing files and their storing Space.
- Company will more smart and modernized with the trend.

Future Development

- In the system there are only the details of the data, in future can some more forms with the pictures of the dresses
- And if the company likes to the extent its sales then the system can be linked with a website to do online business
- The print function for the bill and the rent is still not in work so that it can be also enhanced.
- When the customers are not returning the dresses the system can be automated to send SMS-like messages to the customers.
- Reports can be taken to graph views and can have more analytics.

Conclusion

In concluding the system and the report all I have gained is a lot. The knowledge about programming, Visual Basic, and MS access was sharpened by doing this project. And I learned to find various methods (coding) to do the same task differently and easily.

The wedding dresses rental business has emerged with new goodies compared to the past experience, where every activity concerning the dress rental business is limited so much. Nowadays, customers can reserve the dresses they like without hesitation for parties, weddings, or photo-shoots. Wedding Dresses Rental Company is to efficiently and effectively manage the business and satisfies customers' needs at this kind of a company. For such companies, this system will be more valuable and effective to go with the modern trend.