



Innovative Assignment

2CSDE86

Connector BxB

Group Members:

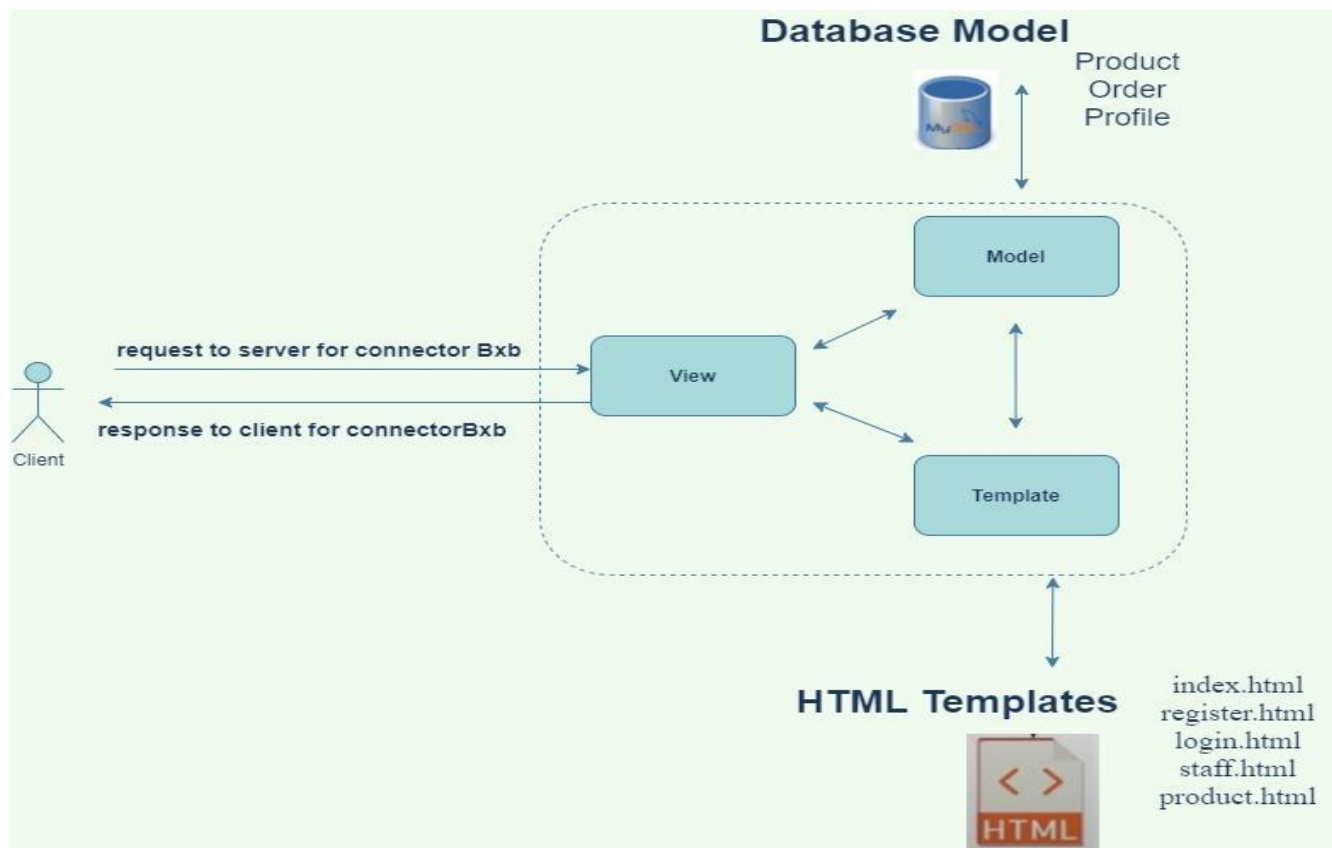
- | | |
|---------------------|----------|
| 1. Pradumna Bajoria | 18BCE179 |
| 2. Kishan Prajapati | 18BCE181 |
| 3. Rohan Mittal | 18BCE198 |

Overview

Connector BxB is a platform designed by keeping in mind to ease the communication gap between wholesalers and retailers. The idea was to make B2B trade transparent and eliminate the third party. In this platform the retailer can order the product and amount of products they want by themselves without any kind of third party and the wholesaler can deliver the product. Likewise, the wholesaler can manage the product incorporation and distribution.

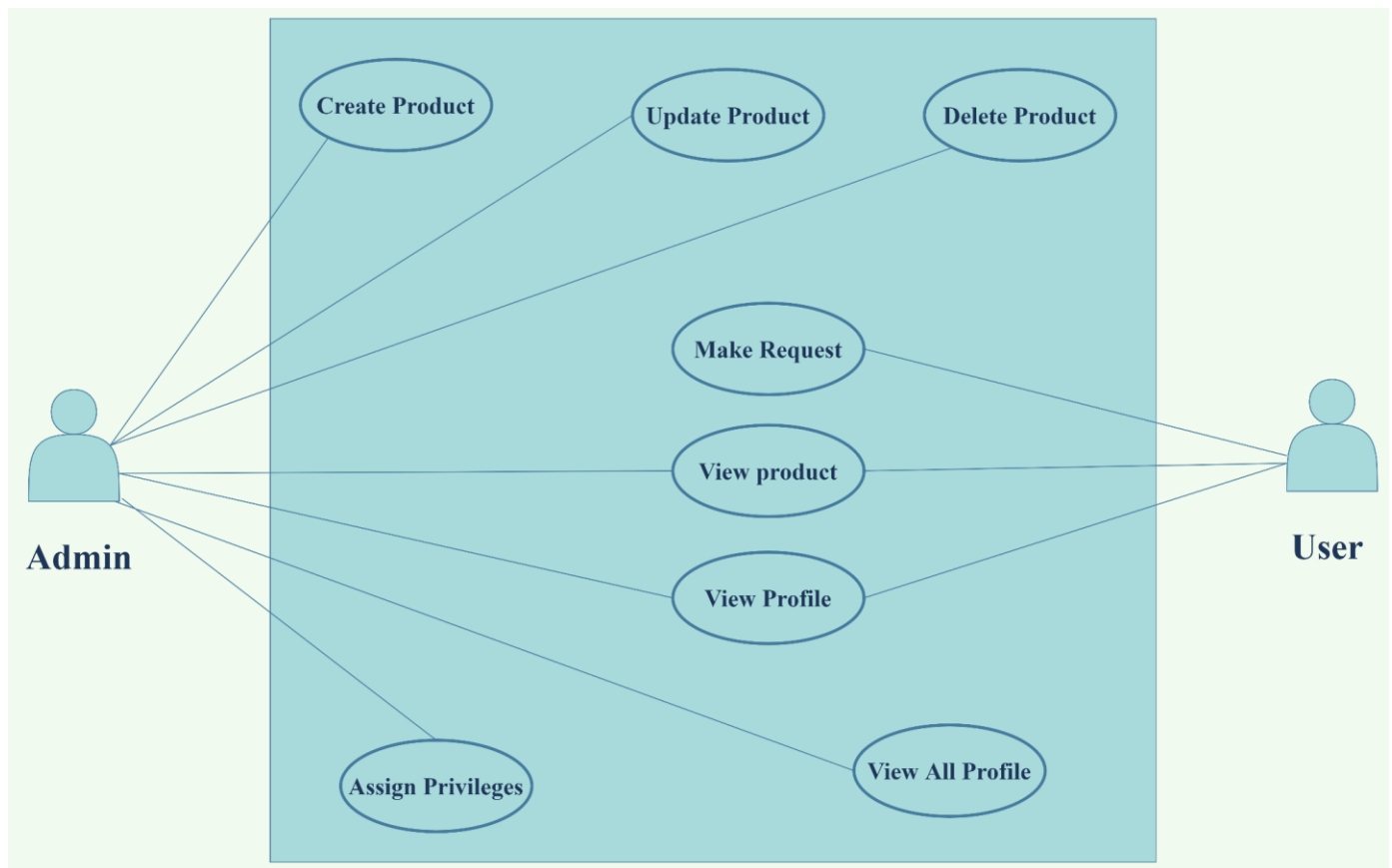
Web Application Architecture

First user request to server for connector Bxb. View sees the user request, retrieves appropriate data from the database, then renders back the template along with retrieved data



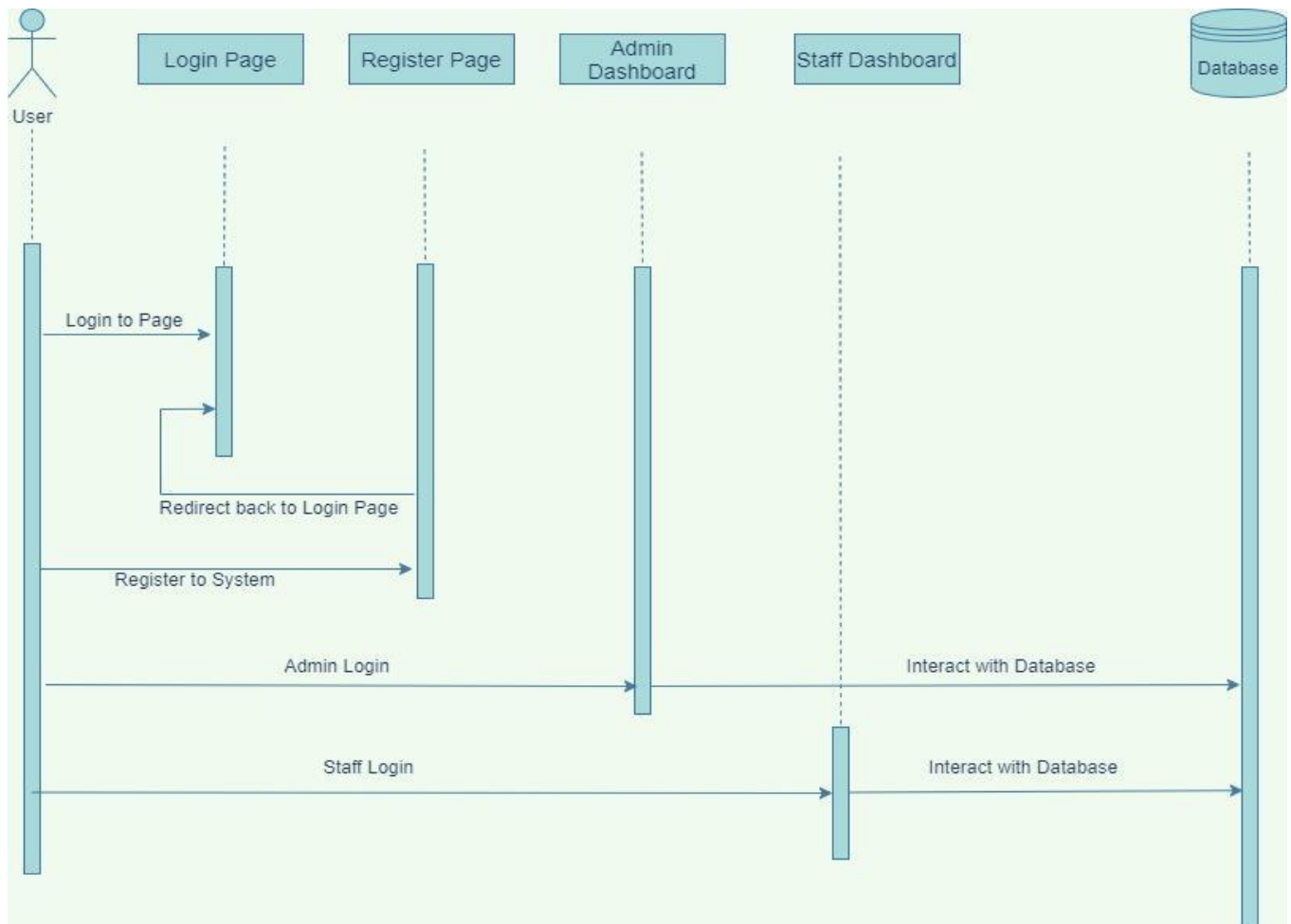
Use Case Diagram

- Above figure shows the use case diagram for web applications.
- We have two types of users: Admin and User
- The functionalities accessed by Admin are : Create Product, Update Product, Delete Product, View Products, View Profile, View All Profiles and Assign Privileges.
- The functionalities accessed by User are : View Products, View Profile and Make Request
- Users can make a request to the admin for products



Sequence Diagram

- Above diagram shows a sequence diagram for our web application.
- First user will be redirected to the Login Page. If the user does not have an account, then he/she can go to the Register Page.
- After filling the register form, the user will be redirected to the Login Page.
- After login, the user will be redirected to the Staff Dashboard and admin will be redirected to Admin Dashboard after interacting with databases whether the user exists or not.

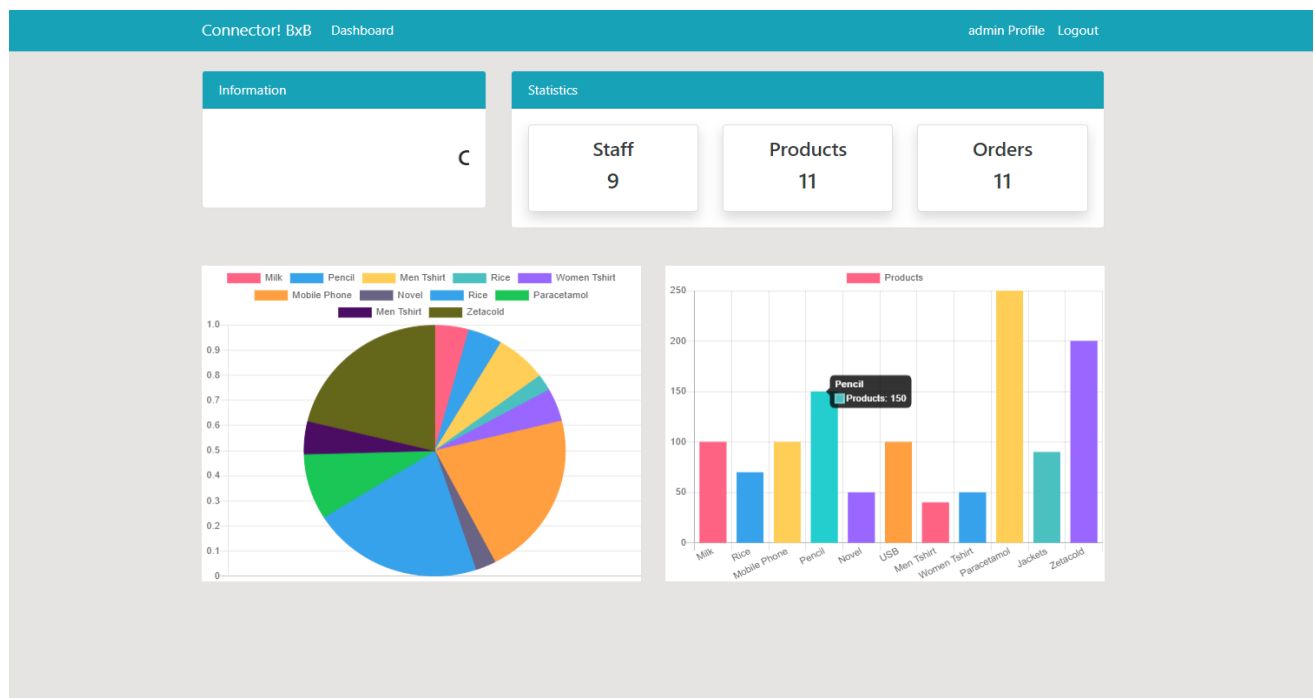


Templates

A. Dashboard

i. Index.html

- This is the index page of the admin dashboard.
- Information contains the message that we want to show on a daily basis.
- The Statistics section contains three cue cards: Staff, Products and Order. The number shows the quantity of cue cards. We have 9 staff members, 11 products and 11 orders.
- The Pie Chart shows the number of orders requested by users for any particular product and the area shows the quantity of product.
- The Bar chart shows the products and quantity of products we have.



ii. Product.html

- This is the product template. It shows the Navigation bar , Information and Statistics section same as other pages.
- Here it shows the products in table format with name, category, quantity and activity.
- Admin can search by applying filters like name, category and quantity.
- To add the product it contains product form with the field name, category and quantity.
- To modify or delete any product admin is required to click on edit or delete button of a particular product.

Connector! BxB

Dashboard

admin Profile

Logout

Information

Cc

Statistics

Staff
9

Products
11

Orders
11

Add Products

Name*

Category*

Quantity*

Add Product

Name

Category

Quantity

Search

#	Name	Category	Quantity	Activity
1	Milk	Food	100	<div>Edit</div> <div>Delete</div>
2	Rice	Food	70	<div>Edit</div> <div>Delete</div>
3	Mobile Phone	Electronics	100	<div>Edit</div> <div>Delete</div>
4	Pencil	Stationary	150	<div>Edit</div> <div>Delete</div>
5	Novel	Stationary	50	<div>Edit</div> <div>Delete</div>
6	USB	Electronics	100	<div>Edit</div> <div>Delete</div>
7	Men Tshirt	Clothes	40	<div>Edit</div> <div>Delete</div>
8	Women Tshirt	Clothes	50	<div>Edit</div> <div>Delete</div>

iii. Staff.html

- This is the staff template and contains information about staff. It shows the Navigation bar , Information and Statistics section same as other pages.
- Here it shows the users information in table format with username, email and phone no.
- Admin can view profiles by clicking the view button of any particular user.
- Admin can use search by applying filters like username.

Connector! BxB

Dashboard

admin Profile

Logout

Information

Connector BxB

Statistics

Staff
9

Products
11

Orders
11

Username

Search

	Username	Email	Phone
View	admin	admin@gmail.com	07383886677
View	kishan	kishan@gmail.com	4578985625
View	test1	test1@gmail.com	7889455623
View	Raghav	raghav@gmail.com	8564758256
View	Pradumna	pradumna@gmail.com	7889564512
View	rohan	rohanmittal1366@gmail.com	07073125749
View	Reshu	reshu@gmail.com	4578895612
View	admin1	admin1@gmail.com	8956237845

iv. Order.html

- This is the order template and contains information about orders. It shows the Navigation bar, Information and Statistics section similar to other pages.
- Here it shows the order placed by users in table format with product, category, quantity and order date.
- Admin can search by filters like product name, product category and staff.

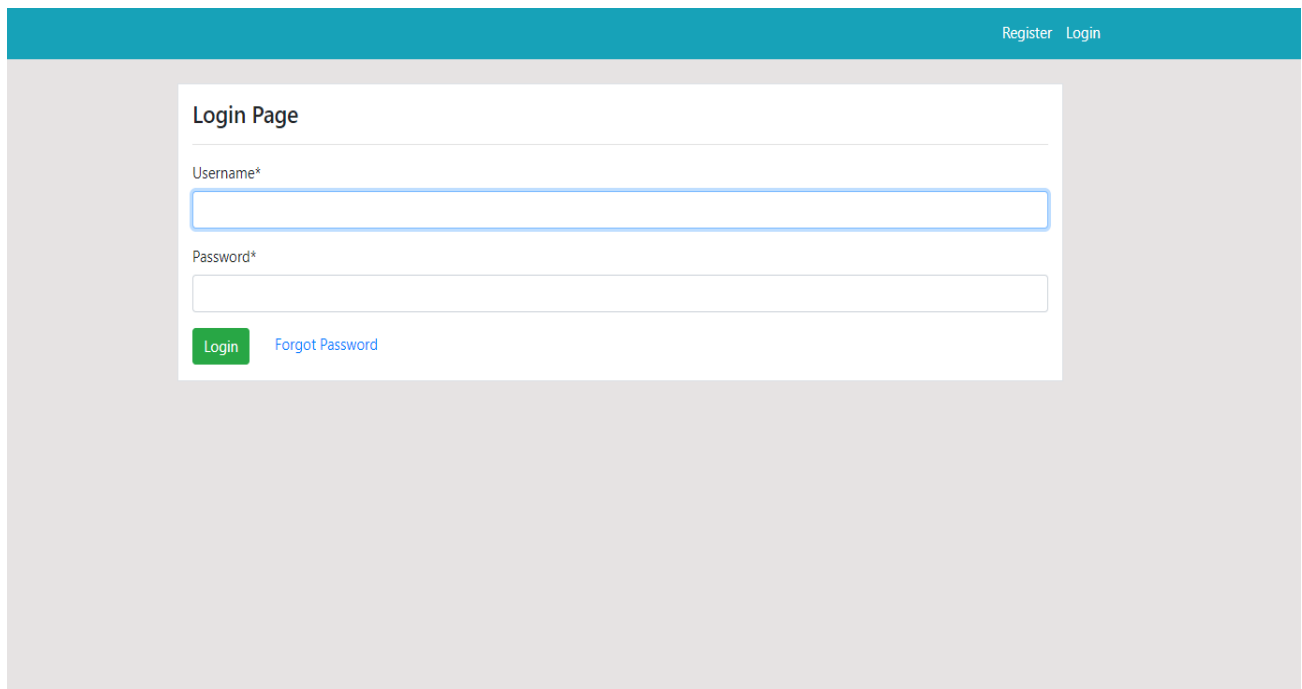
The screenshot displays a web dashboard for 'Connector! BxB'. The top navigation bar includes 'Dashboard', 'admin Profile', and 'Logout'. The main content area is divided into two columns. The left column, under the 'Information' tab, shows 'Connector E'. The right column, under the 'Statistics' tab, features three summary cards: 'Staff 9', 'Products 11', and 'Orders 11'. Below these cards are three search filters: 'Product', 'Product category', and 'Staff', each with a dropdown menu and a 'Search' button. The main part of the dashboard is a table of orders with the following data:

Product	Category	Quantity	Order by	Order on
Milk-100	Food	20	admin	Oct. 21, 2021, 6:11 p.m.
Pencil-150	Stationary	20	Pradumna	Oct. 24, 2021, 3:21 p.m.
Men Tshirt-40	Clothes	30	Raghav	Oct. 24, 2021, 3:21 p.m.
Rice-70	Food	10	Pradumna	Oct. 24, 2021, 3:22 p.m.
Women Tshirt-50	Clothes	20	Raghav	Oct. 24, 2021, 3:22 p.m.
Mobile Phone-100	Electronics	100	rohan	Oct. 24, 2021, 6:49 p.m.
Novel-50	Stationary	12	rohan	Oct. 24, 2021, 6:51 p.m.
Rice-70	Food	100	rohan	Oct. 24, 2021, 7:07 p.m.
Paracetamol-250	Medicine	40	kishan	Oct. 25, 2021, 6:31 a.m.

B.User

a. Login.html

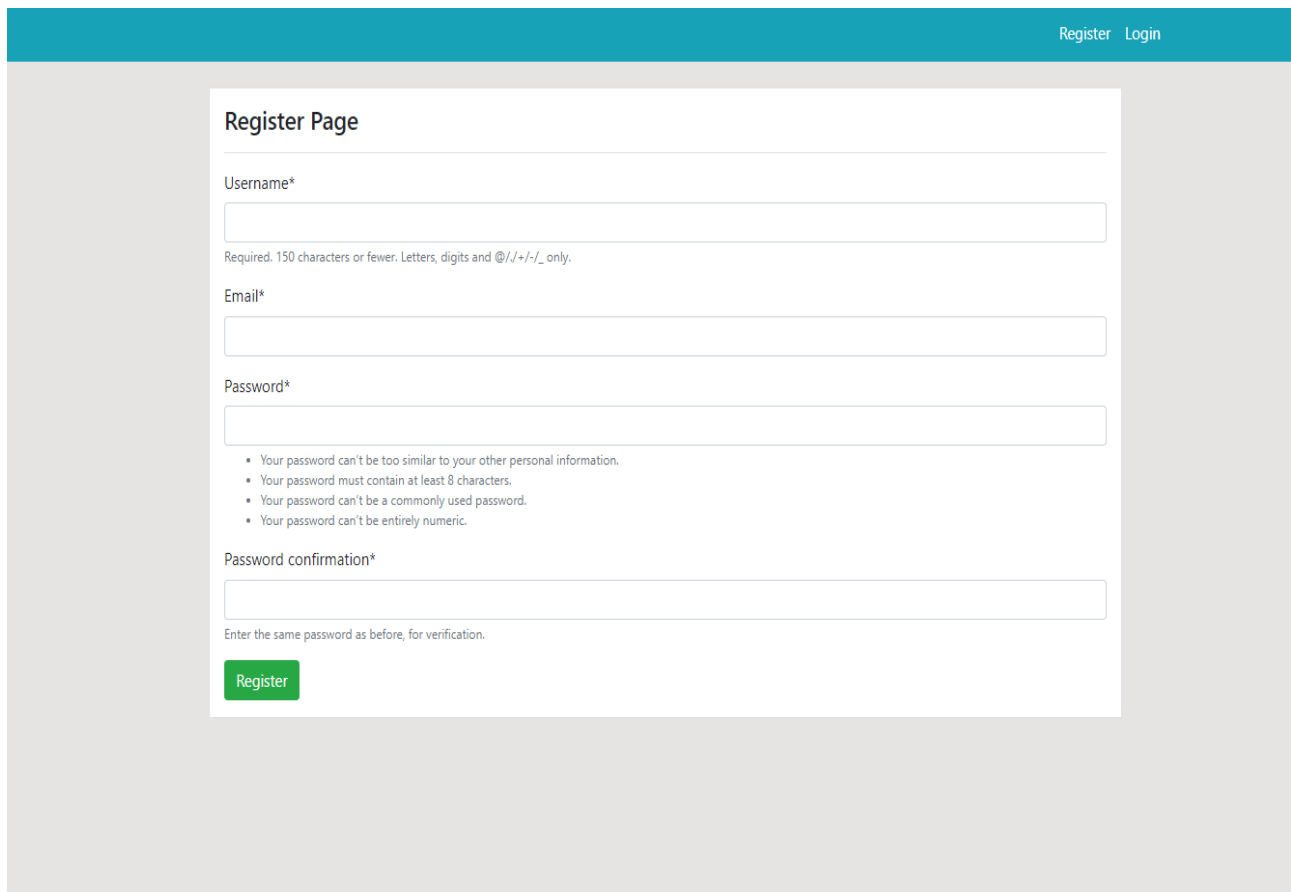
- Login can be done via email id and password.
- Validation is provided for email and password and respective warning will be provided
- Forgot password feature is provided which will take mail ID as input and send new password generation mail to that ID.
- After login, users can be redirected to either admin or user dashboard depending on the privilege provided.



The screenshot displays a web application's login interface. At the top, a teal header bar contains the links 'Register' and 'Login' in white text. The main content area has a light gray background. Centered on this background is a white rectangular box titled 'Login Page'. Inside this box, there are two input fields: 'Username*' and 'Password*'. The 'Username*' field is currently selected, indicated by a blue border. Below the input fields, there is a green 'Login' button and a blue 'Forgot Password' link.

b. Register.html

- Users can register themselves by submitting their username, email, password.
- After clicking on the submit button user can redirect to login page.

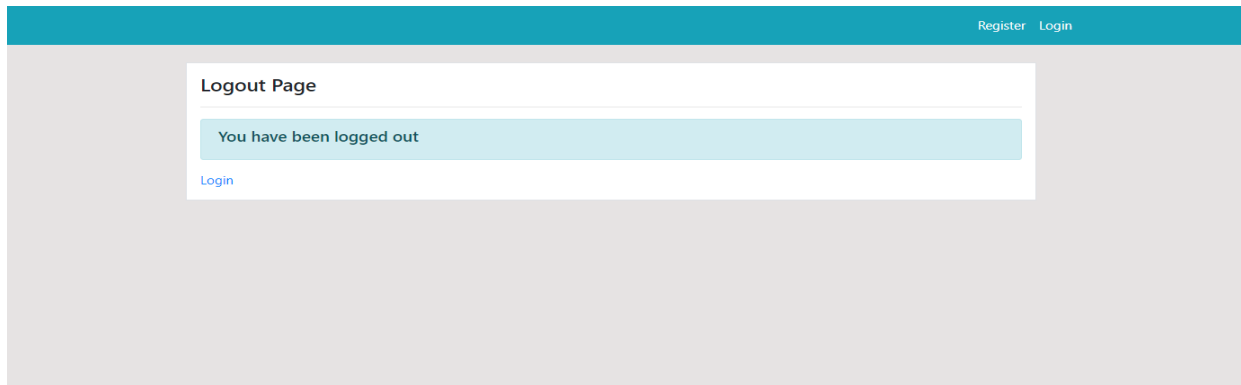


The screenshot shows a web registration form titled "Register Page". At the top right, there are links for "Register" and "Login". The form contains the following fields and elements:

- Username***: A text input field with a placeholder. Below it, a small text note reads: "Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only."
- Email***: A text input field with a placeholder.
- Password***: A text input field with a placeholder. Below it, a list of password requirements is shown:
 - Your password can't be too similar to your other personal information.
 - Your password must contain at least 8 characters.
 - Your password can't be a commonly used password.
 - Your password can't be entirely numeric.
- Password confirmation***: A text input field with a placeholder. Below it, a small text note reads: "Enter the same password as before, for verification."
- Register**: A green button with white text.

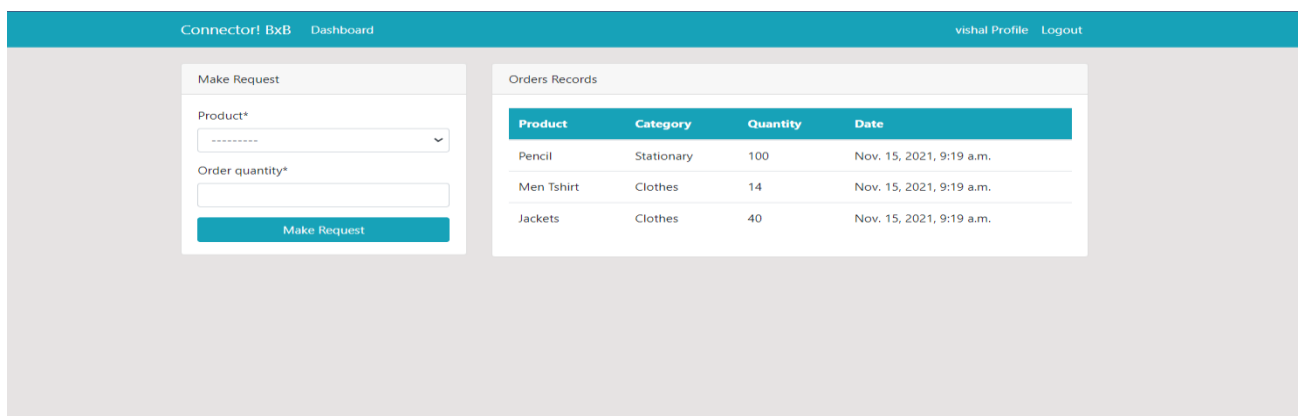
c. Logout.html

- User logout from the session after clicking on the logout button.
- Users can login after clicking login button.



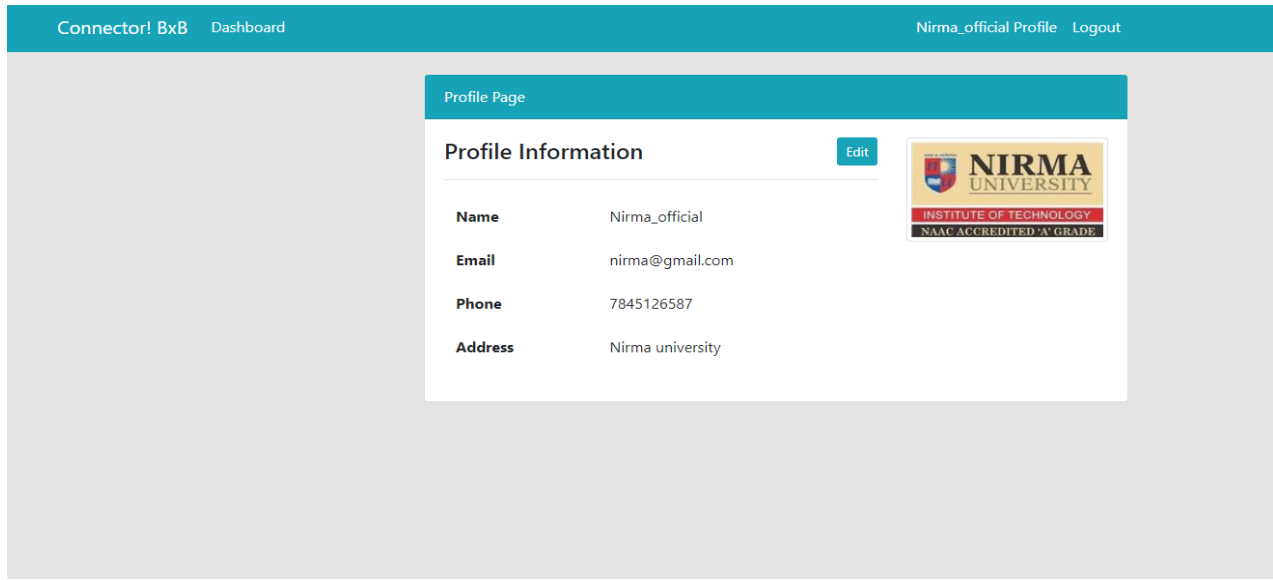
d. Index.html

- It shows the Navigation bar, Make request form and Order requests.
- Navigation bar contains a view profile and logout button.
- User can make request by filling a form with product name and product quantity fields.
- Order Request contains the request made by user in ascending order.



e. Profile.html

- User can see the details of his own
- After clicking on the edit button the user can edit all the details including profile pic.



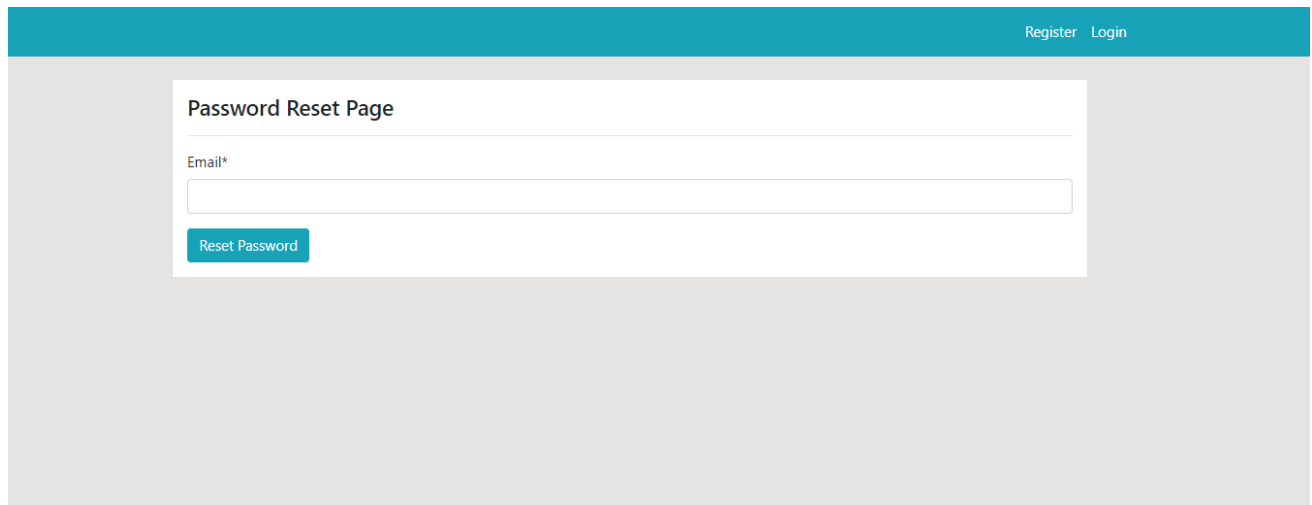
The screenshot shows a web application interface. At the top, there is a teal header bar with the text "Connector! BxB" and "Dashboard" on the left, and "Nirma_official Profile" and "Logout" on the right. Below the header, the main content area has a light gray background. In the center, there is a white box titled "Profile Page" with a teal header. Inside this box, there is a section titled "Profile Information" with an "Edit" button to its right. Below the title, there is a table with the following details:

Name	Nirma_official
Email	nirma@gmail.com
Phone	7845126587
Address	Nirma university

To the right of the table is a profile picture placeholder showing the NIRMA UNIVERSITY logo and the text "INSTITUTE OF TECHNOLOGY" and "NAAC ACCREDITED 'A' GRADE".

f. Forgot_password.html

- Users can change the password by entering an email and submitting the details.



The screenshot shows a web application interface. At the top, there is a teal header bar with the text "Register" and "Login" on the right. Below the header, the main content area has a light gray background. In the center, there is a white box titled "Password Reset Page". Inside this box, there is a form with the following fields:

Email*

Below the input field is a teal button labeled "Reset Password".

Features

1. Admin

a) Add product

- Admin can add products by filling a form which contains the name of the product, category and quantity as a field.
- If admin wants to add a One Plus product of Electronics category and 50 quantities.

Connector! BxB

Dashboard

admin Profile

Logout

Information

CoI

Statistics

Staff

10

Products

11

Orders

14

Add Products

Name*

One Plus

Category*

Electronics

Quantity*

50

Add Product

Name

Category

Quantity

Search

#	Name	Category	Quantity	Activity
1	Milk	Food	100	<div>Edit</div> <div>Delete</div>
2	Rice	Food	70	<div>Edit</div> <div>Delete</div>
3	Mobile Phone	Electronics	100	<div>Edit</div> <div>Delete</div>
4	Pencil	Stationary	150	<div>Edit</div> <div>Delete</div>
5	Novel	Stationary	50	<div>Edit</div> <div>Delete</div>
6	USB	Electronics	100	<div>Edit</div> <div>Delete</div>
7	Men Tshirt	Clothes	40	<div>Edit</div> <div>Delete</div>
8	Women Tshirt	Clothes	50	<div>Edit</div> <div>Delete</div>

- Green flash message shows that One Plus product is added. In table product number 12 One plus is added.

Connector! BxB
Dashboard
admin Profile
Logout

Information

3xB

Statistics

Staff
10

Products
12

Orders
14

One Plus has been added

Add Products

Name*

Category*

Quantity*

Add Product

Name

Category

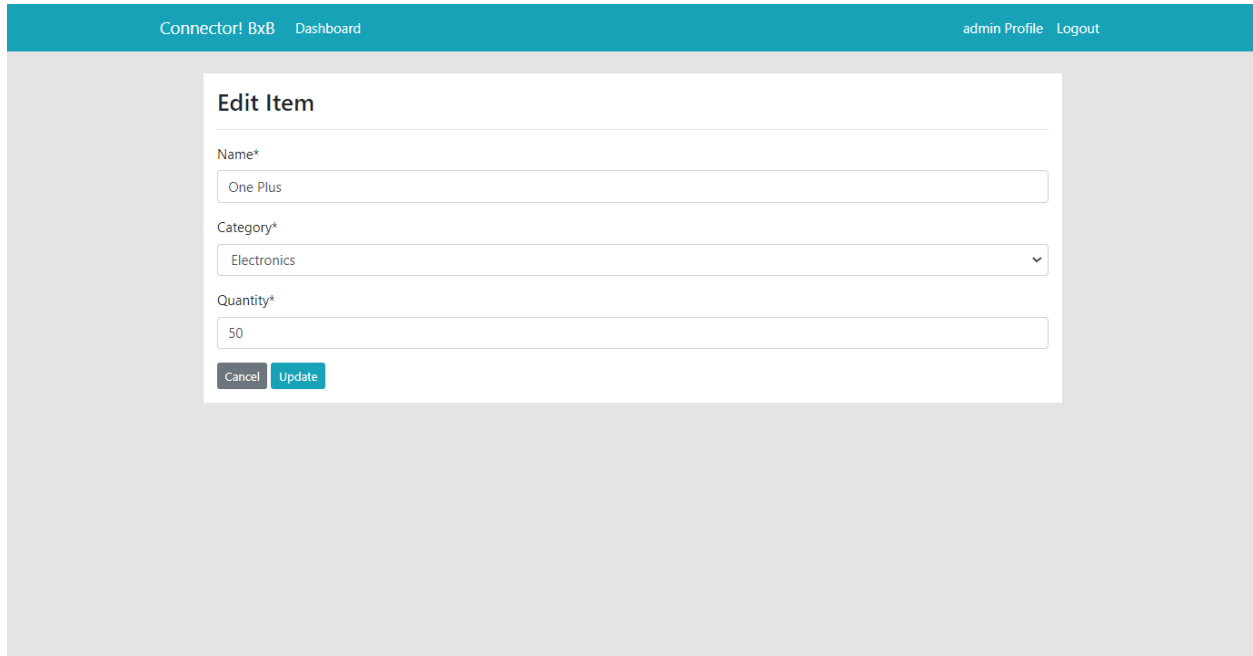
Quantity

Search

4	Pencil	Stationary	150	Edit	Delete
5	Novel	Stationary	50	Edit	Delete
6	USB	Electronics	100	Edit	Delete
7	Men Tshirt	Clothes	40	Edit	Delete
8	Women Tshirt	Clothes	50	Edit	Delete
9	Paracetamol	Medicine	250	Edit	Delete
10	Jackets	Clothes	90	Edit	Delete
11	Zetacold	Medicine	200	Edit	Delete
12	One Plus	Electronics	50	Edit	Delete

b) Edit product

- Admin can edit a product by clicking the edit button in the activity center of that product. Form is populated with data of that product.



Connector! BxB Dashboard admin Profile Logout

Edit Item

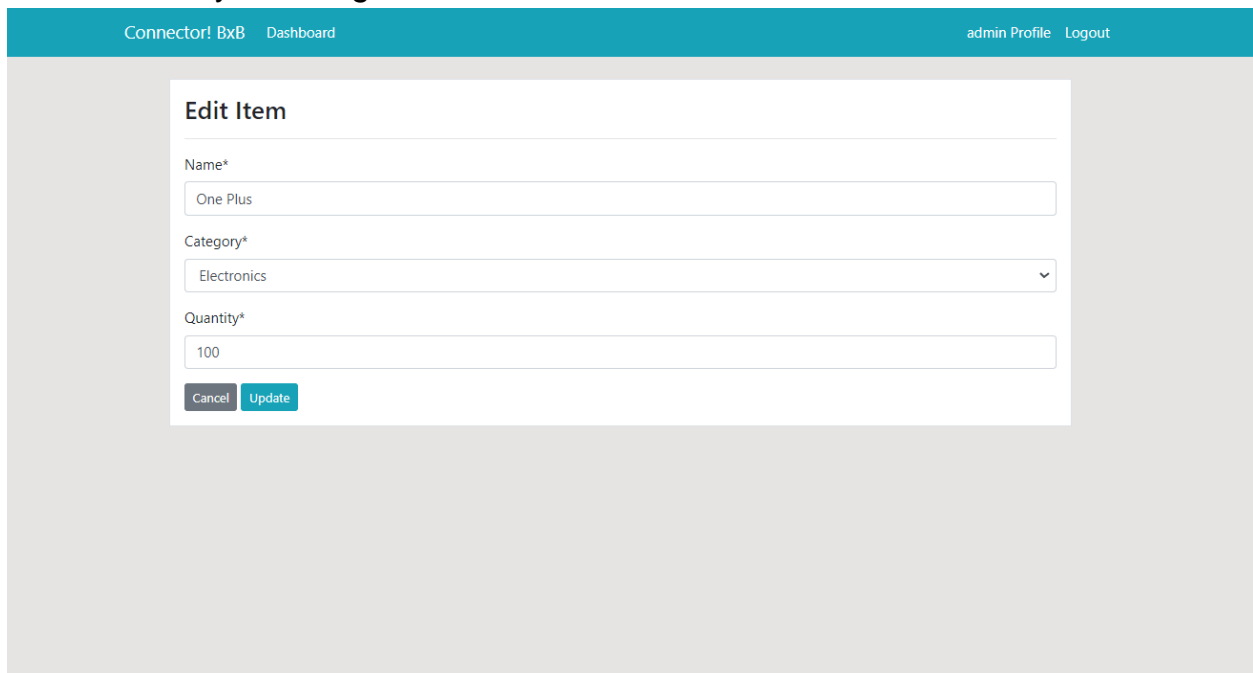
Name*
One Plus

Category*
Electronics

Quantity*
50

Cancel Update

- Quantity is changed from 50 to 100.



Connector! BxB Dashboard admin Profile Logout

Edit Item

Name*
One Plus

Category*
Electronics

Quantity*
100

Cancel Update

- One plus quantity is modified in 12 number row.

Connector! BxB
Dashboard
admin Profile
Logout

Information
Connector BxB

Statistics

Staff
10

Products
12

Orders
14

Add Products
Name*
Category*
Quantity*
Add Product

Name
Category
Quantity
Search

4	Pencil	Stationary	150	Edit	Delete
5	Novel	Stationary	50	Edit	Delete
6	USB	Electronics	100	Edit	Delete
7	Men Tshirt	Clothes	40	Edit	Delete
8	Women Tshirt	Clothes	50	Edit	Delete
9	Paracetamol	Medicine	250	Edit	Delete
10	Jackets	Clothes	90	Edit	Delete
11	Zetacold	Medicine	200	Edit	Delete
12	One Plus	Electronics	100	Edit	Delete

c) Delete Product

- To delete a product admin is required to click on the delete button besides that product. Then it shows the confirmation message like below.

The screenshot shows a confirmation dialog titled "Delete Item" with the question "Are you sure, you want to delete ?". Below the question are two buttons: "Cancel" and "Confirm". The dialog is centered on a light gray background. The top navigation bar is teal and contains "Connector! BxB", "Dashboard", "admin Profile", and "Logout".

- One plus product is deleted from the database. Here row no 12 is deleted.

The screenshot shows the main dashboard of the Connector! BxB system. It includes a teal header with "Connector! BxB", "Dashboard", "admin Profile", and "Logout". The dashboard is divided into several sections:

- Information:** A box labeled "Connector BxB".
- Statistics:** Three boxes showing "Staff 10", "Products 11", and "Orders 14".
- Add Products:** A form with fields for "Name*", "Category*" (a dropdown menu), and "Quantity*", with an "Add Product" button.
- Product List:** A table with columns "Name", "Category", "Quantity", and action buttons "Edit" and "Delete". The table contains 11 rows of products, with row 12 missing.

	Name	Category	Quantity	Edit	Delete
3	Mobile Phone	Electronics	100	Edit	Delete
4	Pencil	Stationary	150	Edit	Delete
5	Novel	Stationary	50	Edit	Delete
6	USB	Electronics	100	Edit	Delete
7	Men Tshirt	Clothes	40	Edit	Delete
8	Women Tshirt	Clothes	50	Edit	Delete
9	Paracetamol	Medicine	250	Edit	Delete
10	Jackets	Clothes	90	Edit	Delete
11	Zetacold	Medicine	200	Edit	Delete

d) Searching by data

- Admin can search in a table using a search filter. Here the clothing category is selected and the table shows all the products with category clothing.

The screenshot shows the 'Connector! BxB' dashboard. On the left, there's an 'Information' sidebar with the text 'Connector BxB'. The main area has a 'Statistics' section with three cards: 'Staff 10', 'Products 11', and 'Orders 14'. Below this is a search filter for products with fields for 'Name', 'Category' (set to 'Clothes'), and 'Quantity'. A table displays the results of this search:

#	Name	Category	Quantity	Activity
1	Men Tshirt	Clothes	40	Edit Delete
2	Women Tshirt	Clothes	50	Edit Delete
3	Jackets	Clothes	90	Edit Delete

- Here rohan is selected as a staff member in the order table. And it shows all orders placed by rohan.

The screenshot shows the 'Connector! BxB' dashboard with search filters for 'Product', 'Product category', and 'Staff' (set to 'rohan'). A table displays the orders placed by rohan:

Product	Category	Quantity	Order by	Order on
Mobile Phone-100	Electronics	100	rohan	Oct. 24, 2021, 6:49 p.m.
Novel-50	Stationary	12	rohan	Oct. 24, 2021, 6:51 p.m.
Rice-70	Food	100	rohan	Oct. 24, 2021, 7:07 p.m.
Men Tshirt-40	Clothes	20	rohan	Oct. 25, 2021, 1:29 p.m.
Zetacold-200	Medicine	100	rohan	Oct. 25, 2021, 6:09 p.m.

- Rohan is selected as the username in the user table.

Connector! BxB

Dashboard

admin Profile

Logout

Information

BxB

Statistics

Staff
10

Products
11

Orders
14

Username

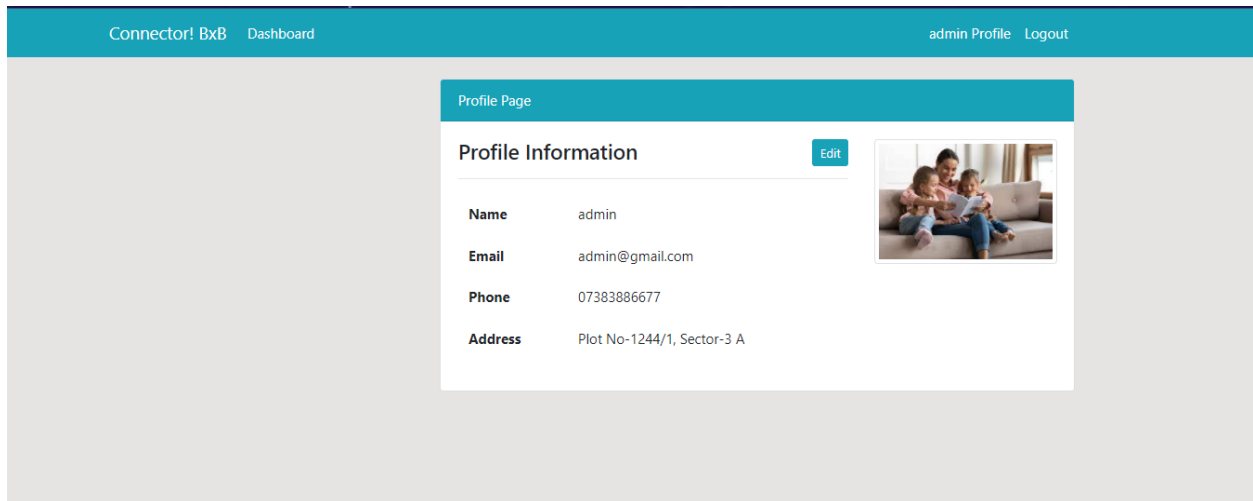
rohan

Search

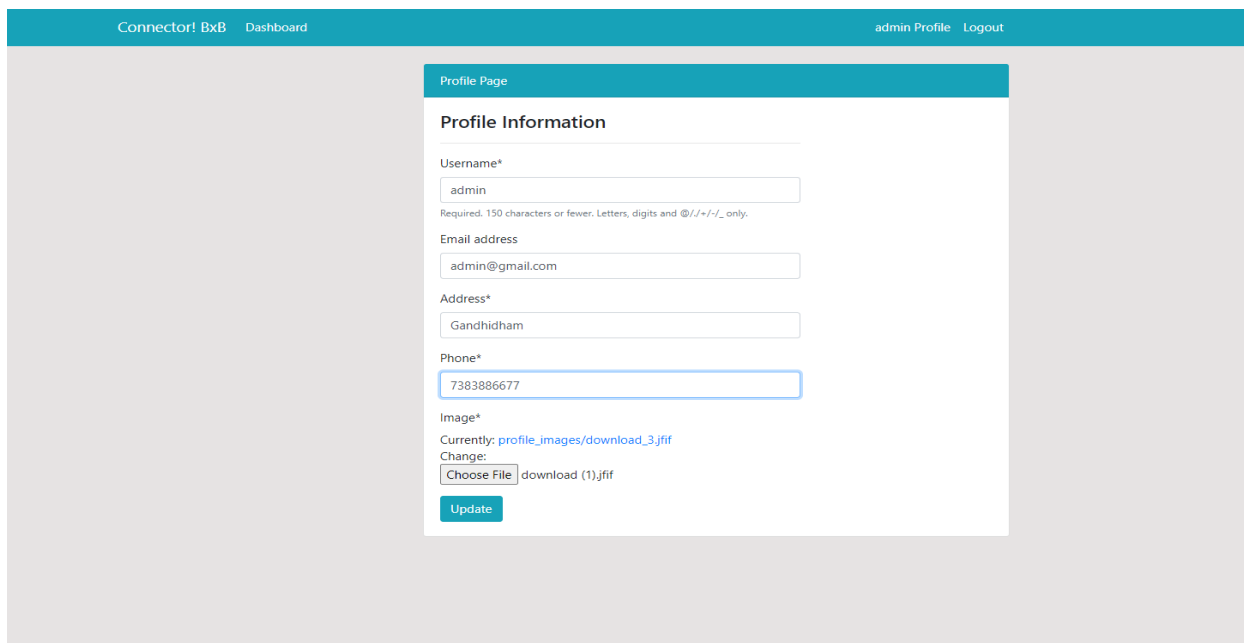
	Username	Email	Phone
View	rohan	rohanmittal1366@gmail.com	07073125749

e) Edit Profile

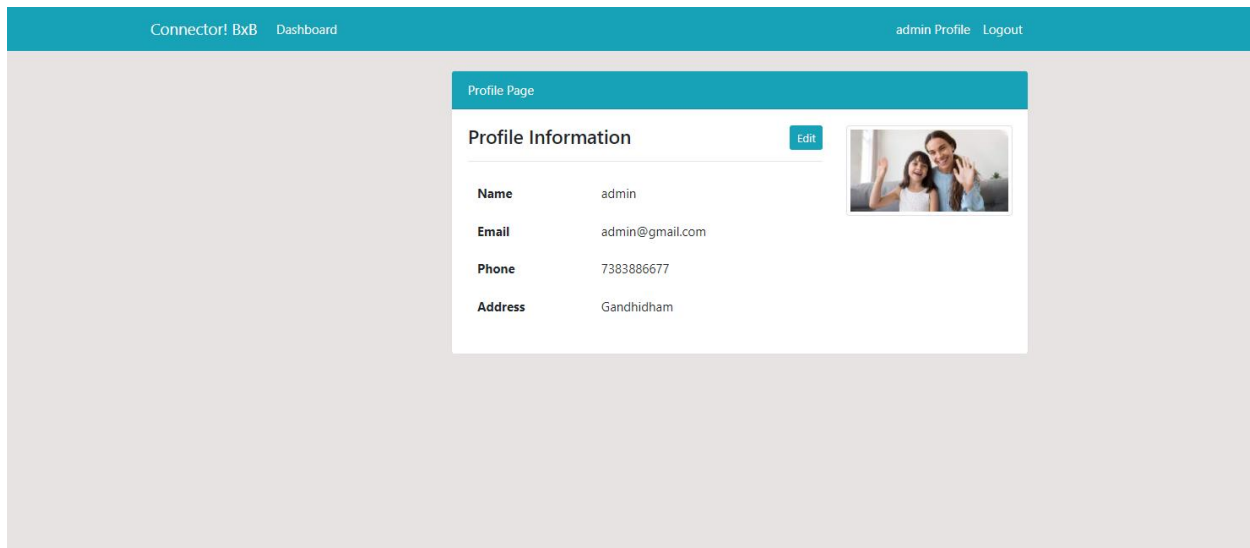
- After clicking on the profile button in the navigation bar admin is redirected to the profile page. It shows the image of admin, name, email, phone, address as profile information.



- After clicking on the edit button, the form is populated with all the information. Here address and profile photo are changed.

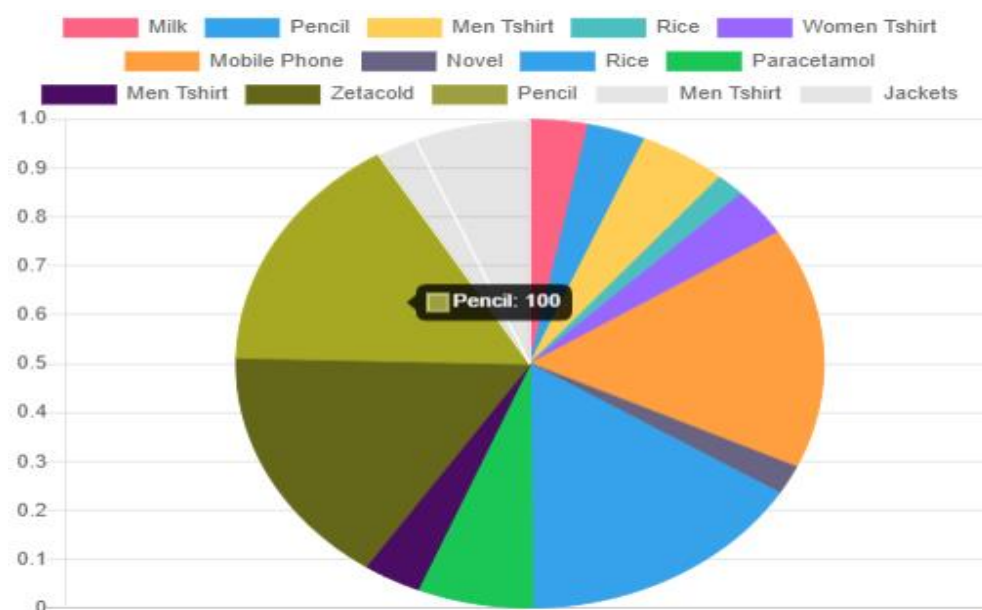


- After clicking on the update button profile is updated which is given below.

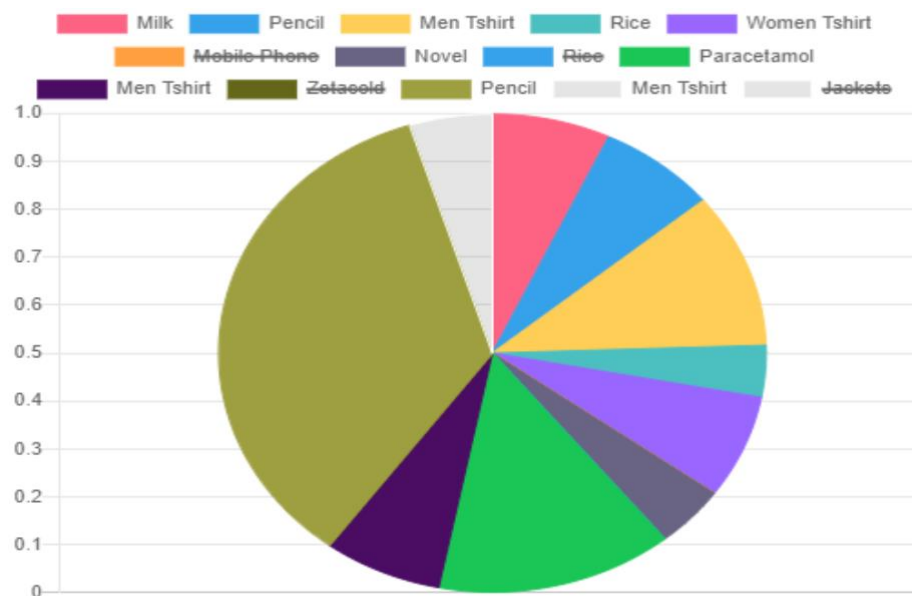


f) Pie Chart & Histogram

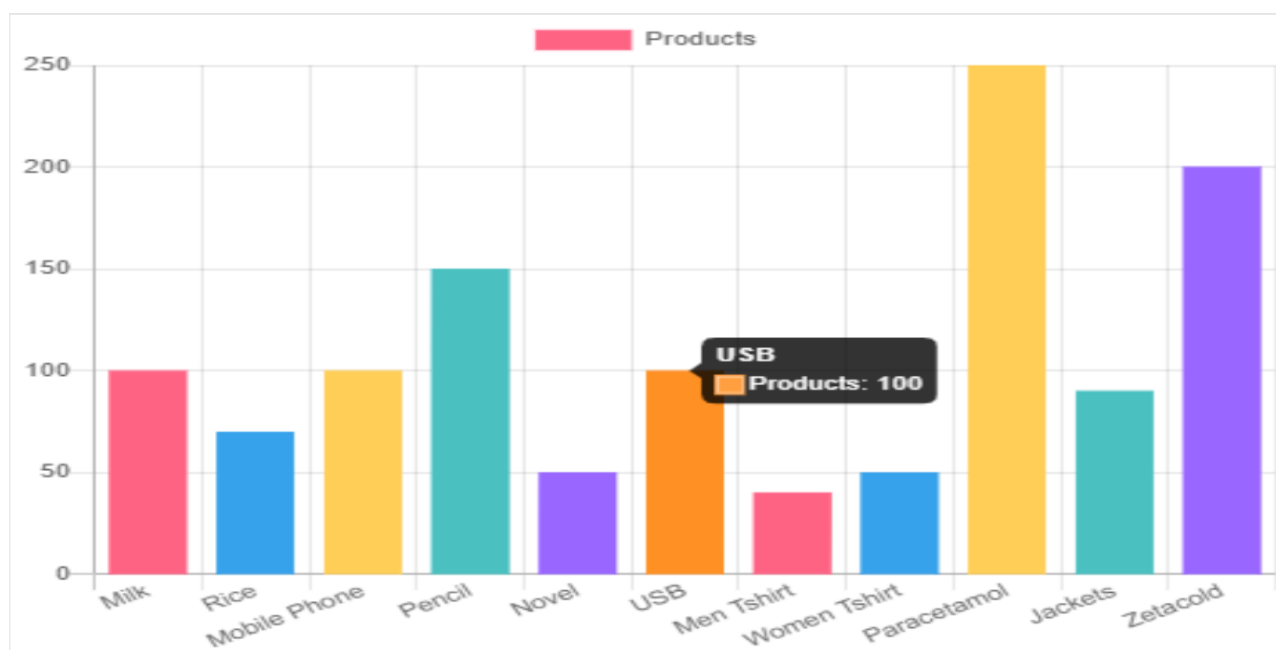
- This pie chart shows the order placed by all the users
- Area shown by the chart is the quantity of the order like pencil have 100 quantities.



- We can see the remaining order by clicking on the name of the order and chart changed the area accordingly.



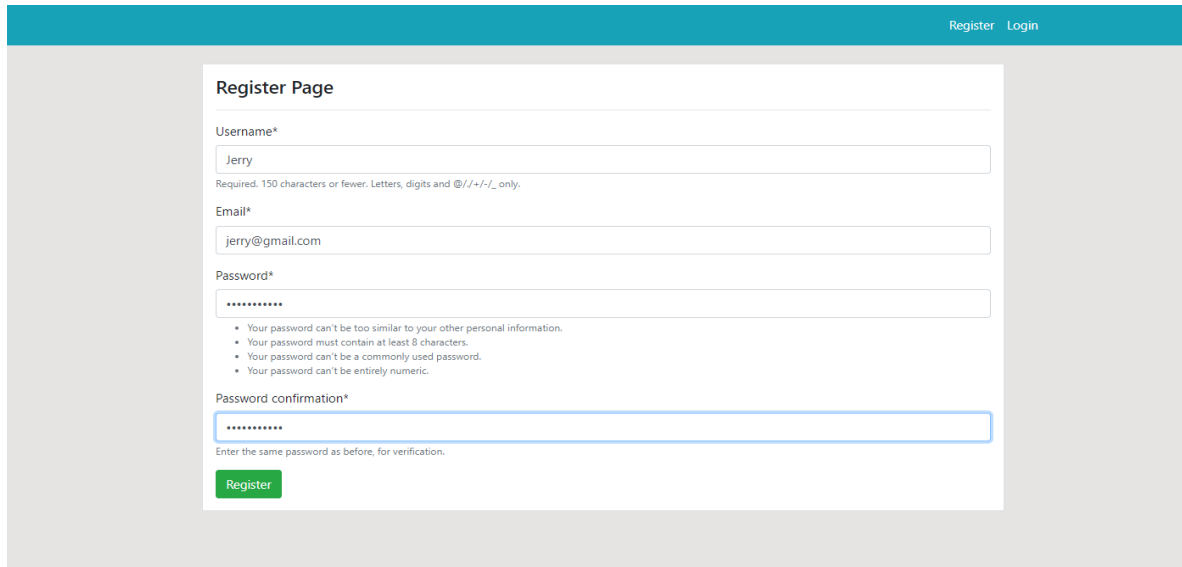
- Here histogram shows all the products with frequency of its quantity. For example Paracetamol has 250 quantity and Pencil has 150 quantity.



2. Staff

a) Register

- User can register by submitting the details like username, password and email
- Users can register themselves by clicking on the register button.



The screenshot shows a web application interface with a teal header bar containing 'Register' and 'Login' links. The main content area is a light gray box. Inside, there's a white 'Register Page' form. The form has four input fields: 'Username*' (containing 'Jerry'), 'Email*' (containing 'jerry@gmail.com'), 'Password*' (masked with dots), and 'Password confirmation*' (also masked with dots). Below the password fields are four bullet points providing password requirements. At the bottom of the form is a green 'Register' button.

Register Page

Username*

Jerry

Required: 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

jerry@gmail.com

Password*

• Your password can't be too similar to your other personal information.

• Your password must contain at least 8 characters.

• Your password can't be a commonly used password.

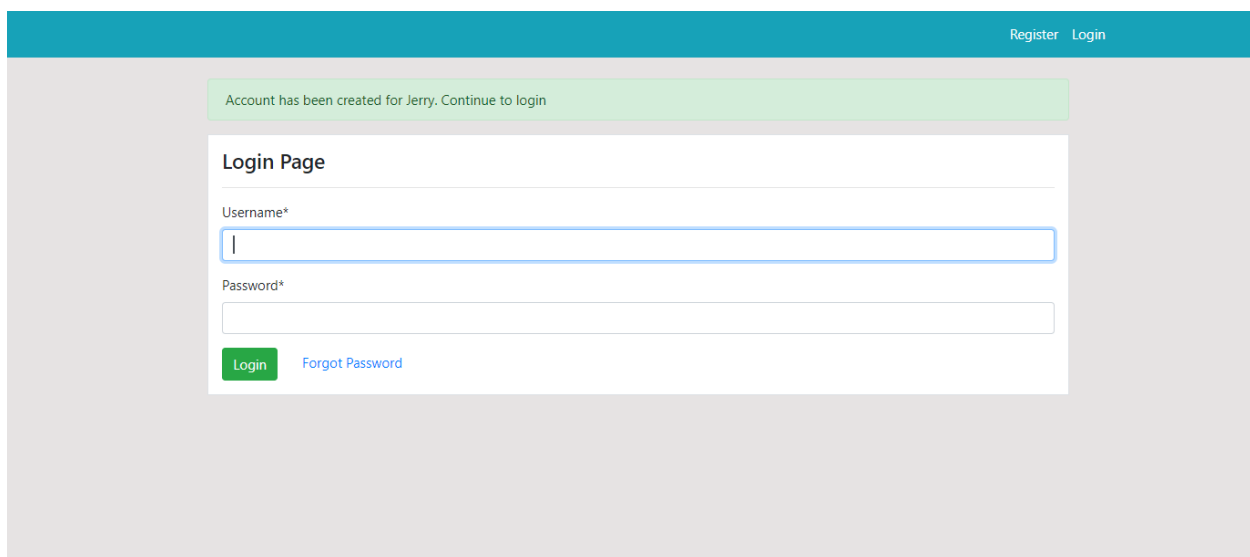
• Your password can't be entirely numeric.

Password confirmation*

Enter the same password as before, for verification.

Register

- After clicking on submit button user redirect to login page
- Green message flash on the screen saying register successfully.



The screenshot shows the same web application interface. A green message flash at the top of the main content area reads 'Account has been created for Jerry. Continue to login'. Below this, the 'Login Page' form is visible. It has two input fields: 'Username*' (empty) and 'Password*' (empty). At the bottom of the form are a green 'Login' button and a blue 'Forgot Password' link.

Register Login

Account has been created for Jerry. Continue to login

Login Page

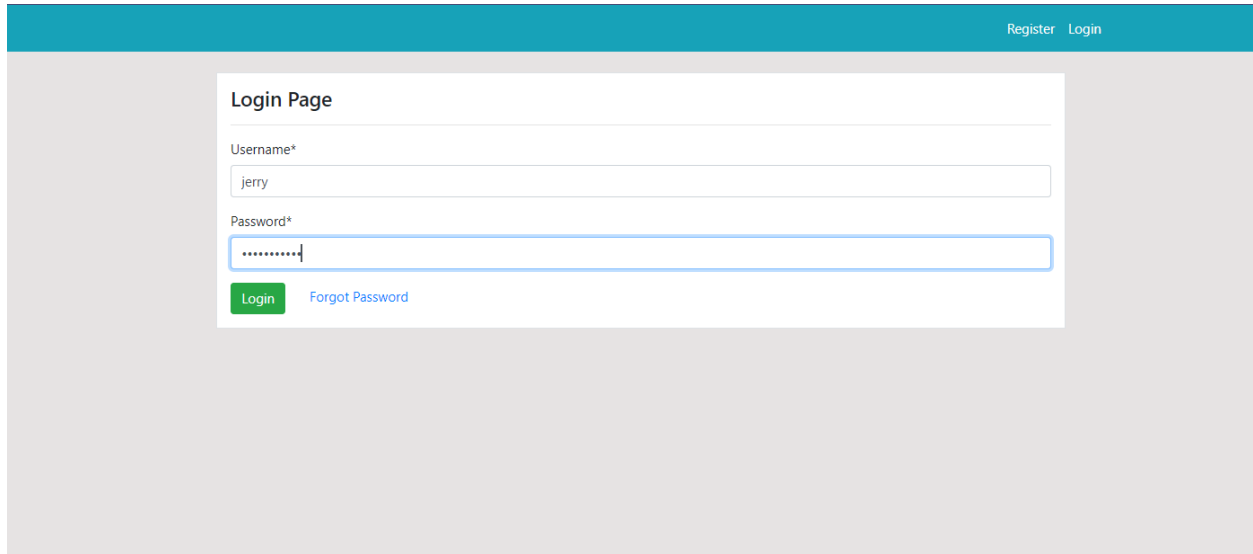
Username*

Password*

Login Forgot Password

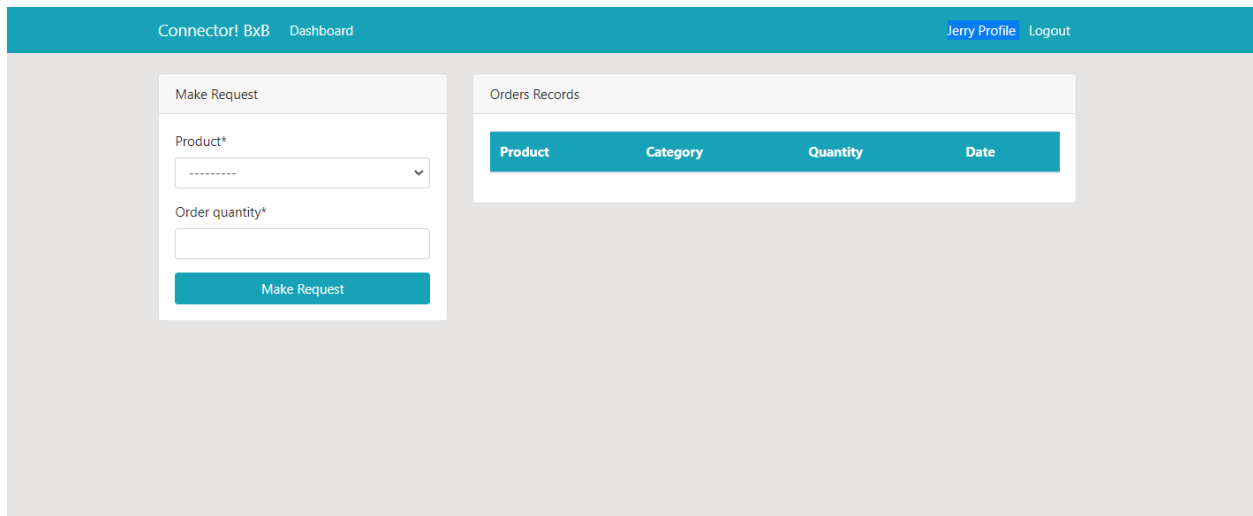
b) Login

- Users after submitting details like username and password, user can be able to login and redirect to dashboard



The screenshot shows a web application with a teal header bar containing the links "Register" and "Login". The main content area is light gray and features a white "Login Page" form. The form has two input fields: "Username*" with the text "jerry" and "Password*" with masked characters ".....". Below the password field are two buttons: a green "Login" button and a blue "Forgot Password" link.

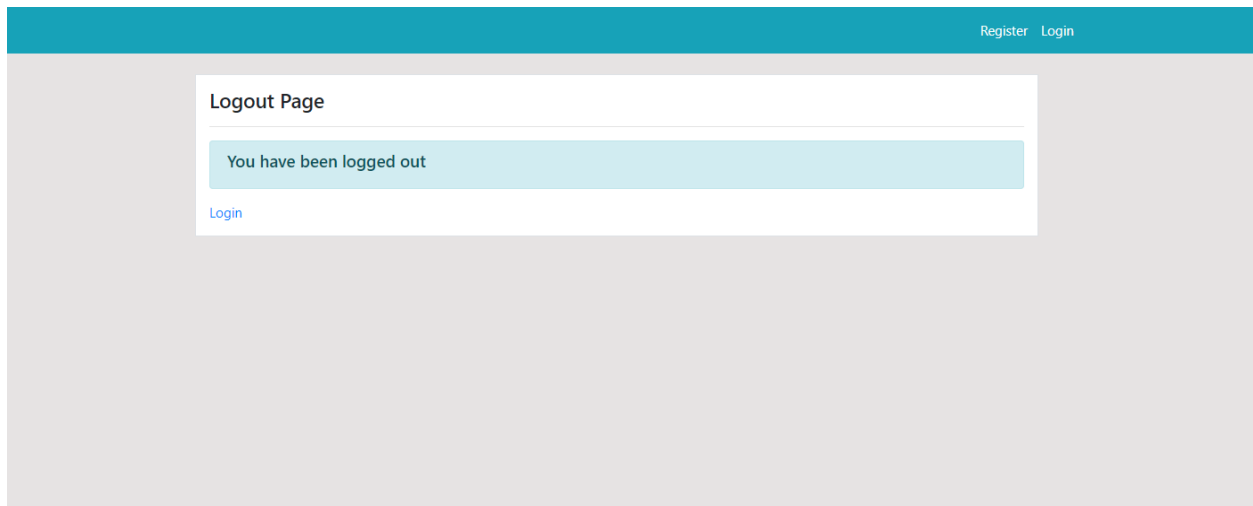
- This is the user dashboard shown after login page



The screenshot shows the user dashboard after login. The teal header bar contains "Connector! BxB" and "Dashboard" on the left, and "Jerry Profile" and "Logout" on the right. The dashboard has two main sections: "Make Request" on the left and "Orders Records" on the right. The "Make Request" section includes a "Product*" dropdown menu, an "Order quantity*" input field, and a teal "Make Request" button. The "Orders Records" section displays a table with the following structure:

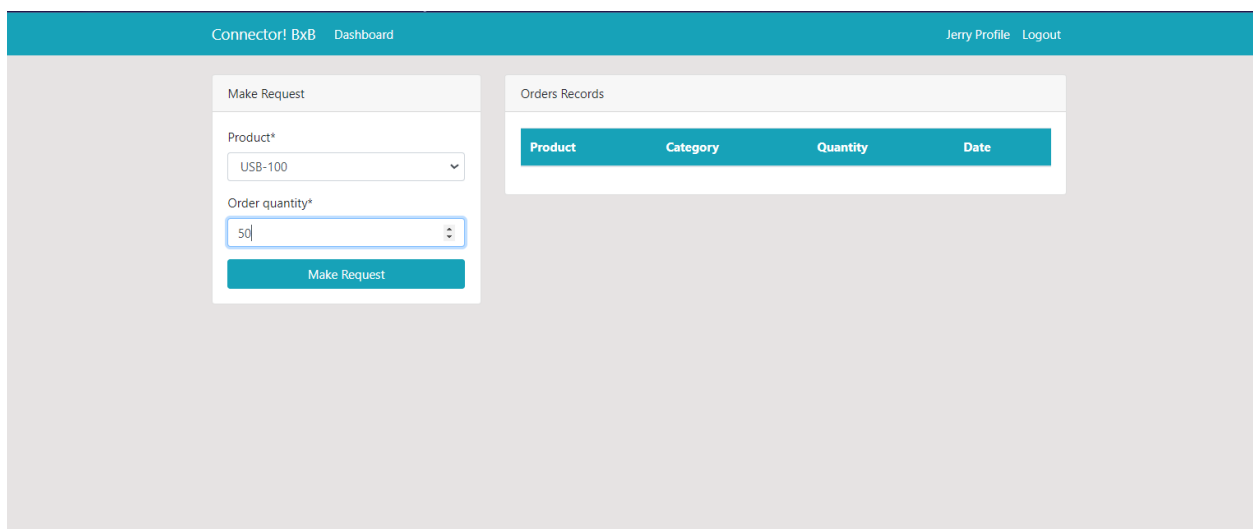
Product	Category	Quantity	Date
---------	----------	----------	------

c) Logout



d) Make request

- If the user wants to make a request for a particular product of a particular category and a certain quantity.
- Users can submit the details like product and order quantity like USB-100 and 50 respectively.



- After submitting the details, the user can see the request on the screen below.

The screenshot shows a web interface with a teal header bar containing 'Connector! BxB' and 'Dashboard' on the left, and 'Jerry Profile' and 'Logout' on the right. The main content area has a light gray background. On the left, there is a 'Make Request' form with a 'Product*' dropdown menu (showing '-----'), an 'Order quantity*' input field, and a teal 'Make Request' button. On the right, there is an 'Orders Records' section with a table.

Product	Category	Quantity	Date
USB	Electronics	50	Nov. 15, 2021, 10:37 a.m.

e) Edit profile

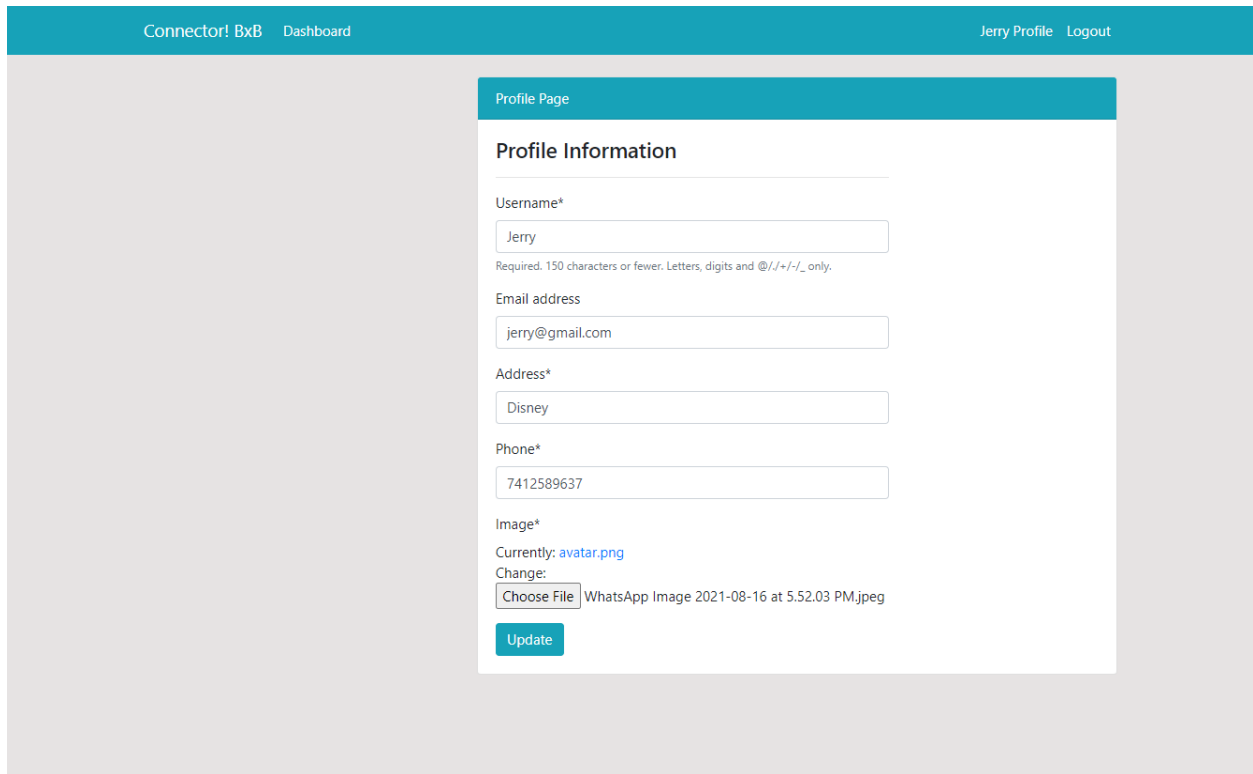
- If the user/admin wants to edit their profile they can edit by clicking on the button.

The screenshot shows a web interface with a teal header bar containing 'Connector! BxB' and 'Dashboard' on the left, and 'Jerry Profile' and 'Logout' on the right. The main content area has a light gray background. In the center, there is a 'Profile Page' section with a teal header. Below the header, there is a 'Profile Information' section with an 'Edit' button. The profile information is displayed in a list format:

- Name: Jerry
- Email: jerry@gmail.com
- Phone:
- Address:

To the right of the profile information is a placeholder image of a person in a suit and tie.

- User can edit the details like username email address, address, phone, image.



Connector! BxB Dashboard Jerry Profile Logout

Profile Page

Profile Information

Username*

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email address

Address*

Phone*

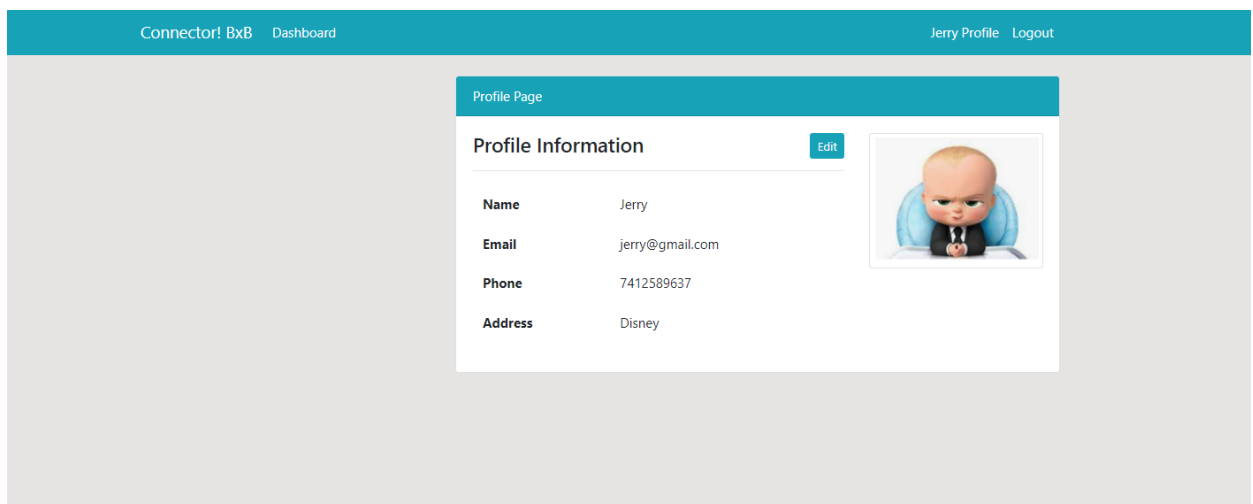
Image*

Currently: [avatar.png](#)

Change:

WhatsApp Image 2021-08-16 at 5.52.03 PM.jpeg

- After clicking on submit button user can see the changes on the screen as below

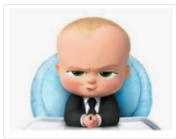


Connector! BxB Dashboard Jerry Profile Logout

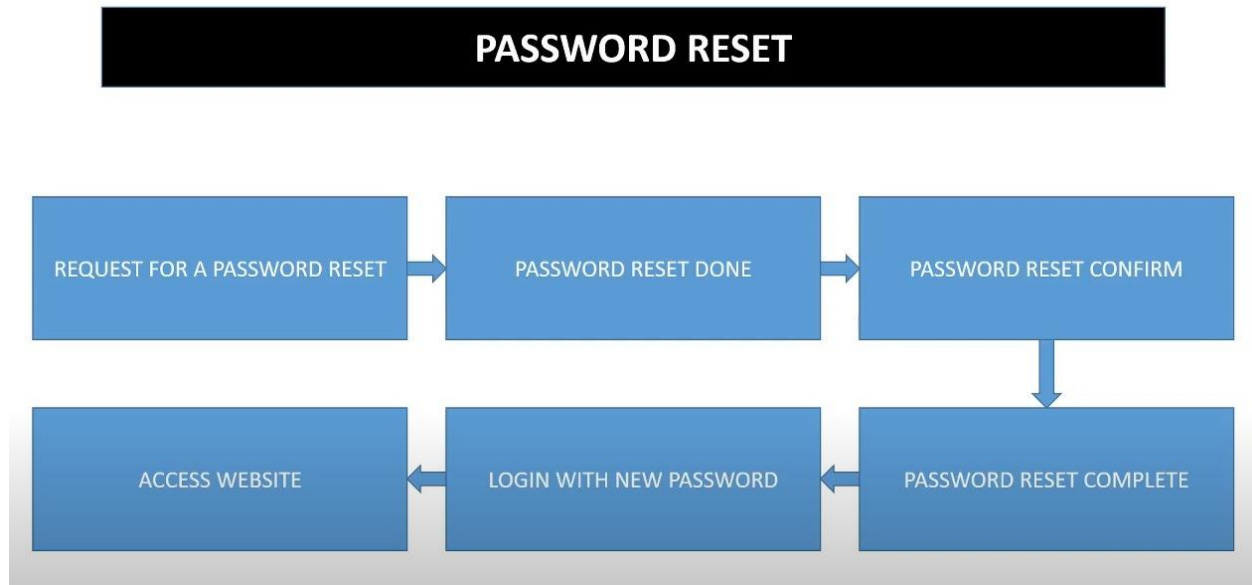
Profile Page

Profile Information

Name	Jerry
Email	jerry@gmail.com
Phone	7412589637
Address	Disney



f) Forgot password



- If the user forgot the password and want to change it, user have to submit the email id.

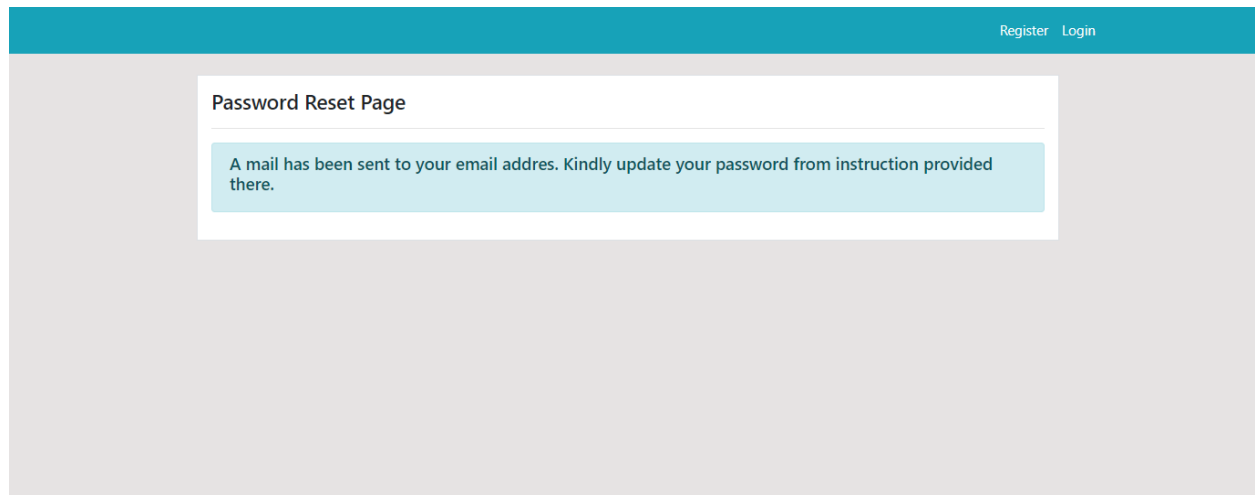
[Register](#) [Login](#)

Password Reset Page

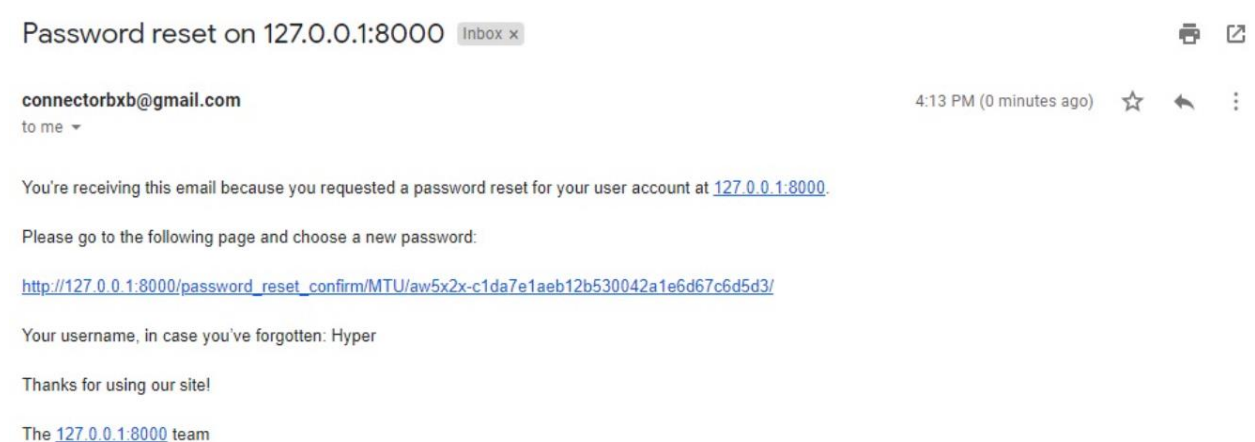
Email*

Reset Password

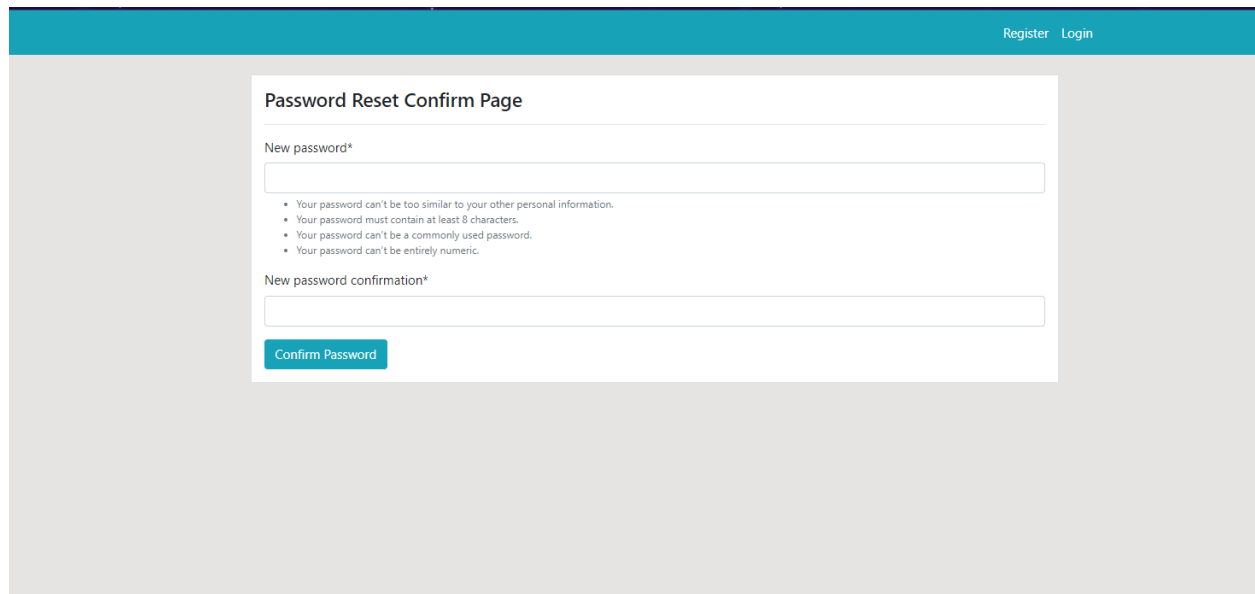
- Reset mail sent after entering email



- Password reset mail came to the user after entering his/her mail ID.

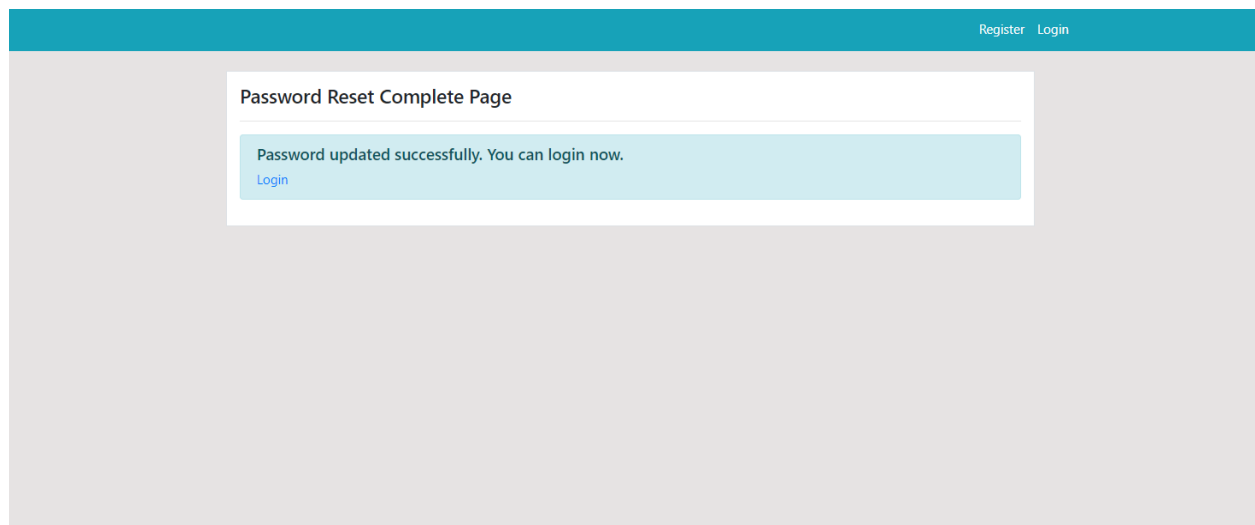


- By clicking on the link sent on mail we are taken to the new password page.



The screenshot shows a web application interface with a teal header bar containing the links "Register" and "Login". The main content area is light gray and features a white box titled "Password Reset Confirm Page". Inside this box, there is a form with two input fields: "New password*" and "New password confirmation*". Between these fields is a list of password requirements: "Your password can't be too similar to your other personal information.", "Your password must contain at least 8 characters.", "Your password can't be a commonly used password.", and "Your password can't be entirely numeric.". A teal button labeled "Confirm Password" is positioned at the bottom of the form.

- After entering a new password, the success page is shown.



The screenshot shows the same web application interface as before, but the main content area now displays a white box titled "Password Reset Complete Page". Inside this box, there is a light blue message box that says "Password updated successfully. You can login now." with a blue link labeled "Login" below it.
