

1. Designing the profile page – The profile page will provide the functionality to the user in order to change own's password and edit their respective photo which is displayed on the left navigation bar. The difficult task in designing this page was to display the User's image in the center of the page, also displaying the edit option right next to it. However, it was accomplished by using the <center> tag and creating a new division (<div>) in that portion. Furthermore some of the fields were read only like designation, monthly salary and email address and they were directly fetched from the database using the session variable.

For the backend operation of this, there is a hidden file field which is used to select image to update the profile picture. Hence, the edit button indirectly clicks this file field and allows user to select an image from their file structure. On selecting the image a function of jQuery is called which sends an AJAX with the image being selected. This image is then uploaded into the specified folder called "img" and a session variable is created giving it the name of the image. Hence, soon after the image is selected by the user, the page will refresh and temporary image will be displayed at the place of the profile picture. These changes will only remain intact if the save button is clicked, else on refreshing the page the original profile details will return.

2. Add designation functionality is the most crucial one for the whole system ,the new thing to be included in designing it were the checkboxes that gives idea about what access are to be given to any particular designation, when any new designation with the access rights was submitted it will be automatically added to the list right next to the form through which the existing designations can be edited as well as deleted. It was designed by giving one div "col-md-8" class whereas "col-md-4" to the other one. Similarly the add user form has two divisions , the other one displays the approximate monthly salary so that while adding any new user his/her salary can be easily entered according to their respective designation.

However, the backend development of this functionality was very tough. Designation name, salary and the selected access to the forms were to be sent through AJAX via controller file (jQuery) to the model file(PHP). Values of checked checkboxes were originally built up in string format and later on were converted into array at the model side using explode function

of PHP. SQL Queries were fired to make the necessary changes into the database.

3. The designing of other forms required the inclusion of necessary fields according to the system requirements, for the Add Vendor form the uniqueness was that instead of using checkboxes for selecting the raw materials provided by that particular vendor, bootstrap dual listbox was used, which allows to filter the materials easily by searching it as well if all of them are to be selected for any particular vendor. For the adding the raw materials, the raw material is to be selected from the drop down box, afterwards the quantity, date and the purchase price is to be filled and then submitted. Similarly for ordering raw material the vendor name is to be selected and then the id will be automatically fetched. For adding any new product to the database the raw materials are to be selected that were used in the manufacturing of the product, also the name of authorized personnel is to be given who has approved the product.
4. The entries of the users, vendors , products in the database are displayed using in the table form. The header is fixed and the table is made responsive using the table-responsive class and using the header-fixed , the header is fixed, also for applying the hover effect to the table, table-hover is used. At this point of time, the backend work is not accomplished so the entries displayed are static but will be made dynamic in the following weeks.

## Screenshots:-

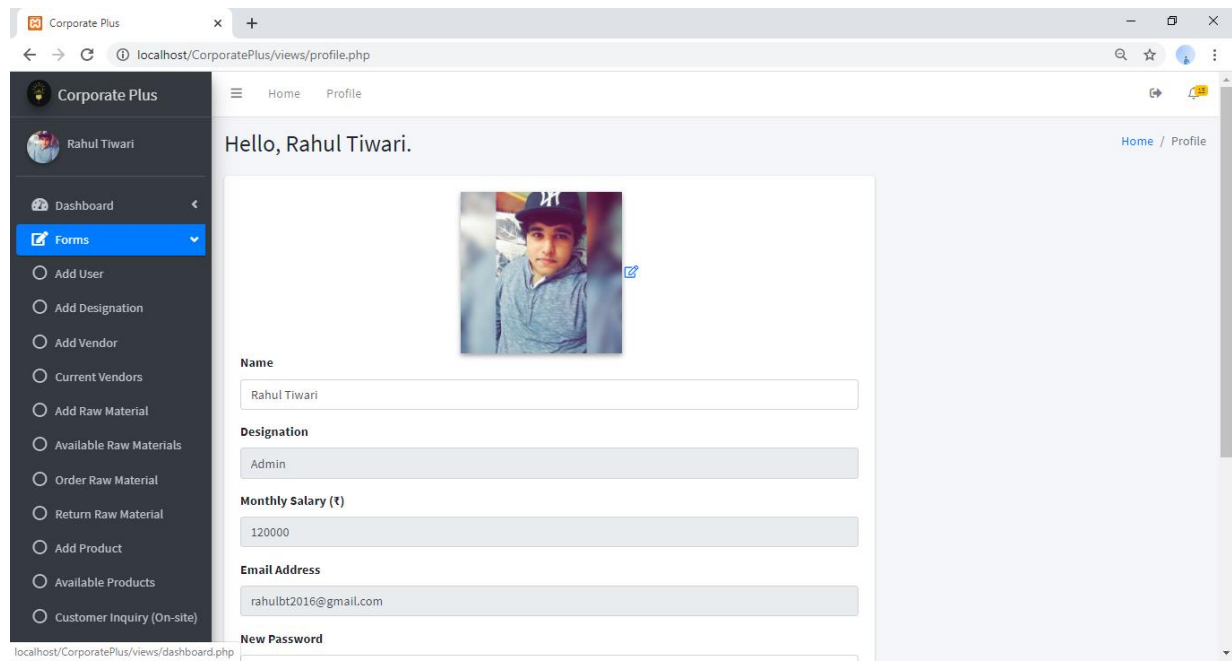


Fig 8.1 Admin page

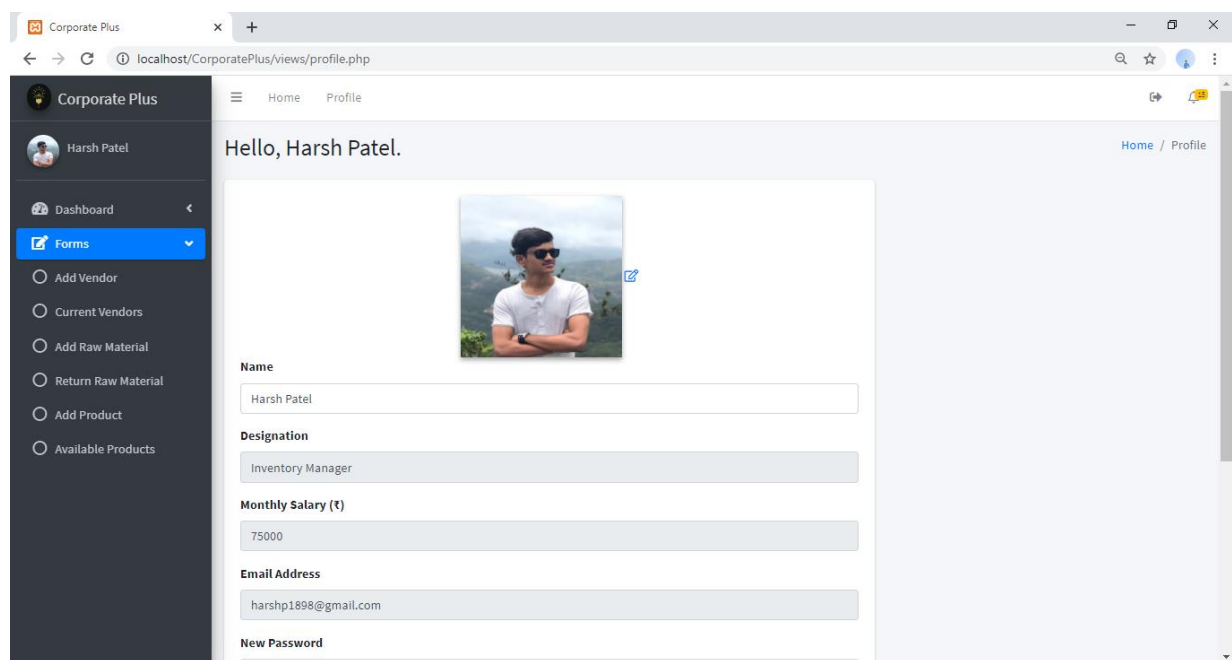


Fig 8.2 Inventory Manager Page

The screenshot shows the 'Corporate Plus' web application. The user is logged in as 'Rahul Brahmhatt'. The left sidebar contains a 'Forms' menu with options like 'Add Vendor', 'Current Vendors', 'Add Raw Material', etc. The main content area displays the user's profile with a greeting 'Hello, Rahul Brahmhatt.' and a profile picture. Below the picture, there are input fields for 'Name' (Rahul Brahmhatt), 'Designation' (HR), 'Monthly Salary (₹)' (95000), 'Email Address' (rahulbrahmhatt1811@gmail.com), and 'New Password'.

Fig 8.3 HR Page

The screenshot shows the 'Corporate Plus' web application. The user is logged in as 'Rahul Tawari'. The left sidebar contains a 'Forms' menu with options like 'Add User', 'Add Designation', 'Add Vendor', etc. The main content area displays the 'Add Designation Form'. It has two main sections: 'New Designation' and 'Existing Designations'. The 'New Designation' section has input fields for 'Designation' (Enter Designation Name) and 'Approximate Monthly Salary (₹)' (Enter Approximate Monthly Salary), and a 'Give Access' section with checkboxes for various roles. The 'Existing Designations' section shows a table of existing designations with 'Edit' and 'Delete' buttons.

Designation	Edit	Delete
Admin	<a href="#">Edit</a>	<a href="#">Delete</a>
HR	<a href="#">Edit</a>	<a href="#">Delete</a>
Inventory Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
Manufacturing Engineer	<a href="#">Edit</a>	<a href="#">Delete</a>

Fig 8.4 Add Designation form

**Corporate Plus**

Home Profile

**Add Designation Form**

Home / Add Designation

**New Designation**

**Designation**

Finance Manager

**Approximate Monthly Salary (₹)**

50000

**Give Access:**

☐ Add User  
☐ Add Designation  
☐ Add Vendor  
☐ Current Vendors  
☐ Add Raw Material  
☐ Available Raw Materials  
☐ Order Raw Material  
☐ Return Raw Material  
☐ Add Product  
☒ Available Products  
☐ Customer Inquiry (On-site)  
☐ Active Users

**Submit**

**Existing Designations**

Designation	Edit	Delete
Admin	<a href="#">Edit</a>	<a href="#">Delete</a>
HR	<a href="#">Edit</a>	<a href="#">Delete</a>
Inventory Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
Manufacturing Engineer	<a href="#">Edit</a>	<a href="#">Delete</a>

Fig 8.5 Adding new Designation (Finance Manager)

**Corporate Plus**

Home Profile

**Add Designation Form**

Home / Add Designation

**New Designation**

**Designation**

Enter Designation Name

**Approximate Monthly Salary (₹)**

Enter Approximate Monthly Salary

**Give Access:**

☐ Add User  
☐ Add Designation  
☐ Add Vendor  
☐ Current Vendors  
☐ Add Raw Material  
☐ Available Raw Materials  
☐ Order Raw Material  
☐ Return Raw Material  
☐ Add Product  
☐ Available Products  
☐ Customer Inquiry (On-site)  
☐ Active Users

**Submit**

**Existing Designations**

Designation	Edit	Delete
Admin	<a href="#">Edit</a>	<a href="#">Delete</a>
Finance Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
HR	<a href="#">Edit</a>	<a href="#">Delete</a>
Inventory Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
Manufacturing Engineer	<a href="#">Edit</a>	<a href="#">Delete</a>

Fig 8.6 New Designation added

**Edit Designation Form**

**Edit Designation**

**Designation**

Admin

**Approximate Monthly Salary (₹)**

100000

**Give Access:**

- ☒ Add User
- ☒ Add Designation
- ☒ Add Vendor
- ☒ Current Vendors
- ☒ Add Raw Material
- ☒ Available Raw Materials
- ☒ Order Raw Material
- ☒ Return Raw Material
- ☒ Add Product
- ☒ Available Products
- ☐ Customer Inquiry (On-site)
- ☐ Active Users

**Save**

**Existing Designations**

Designation	Edit	Delete
Admin	<a href="#">Edit</a>	<a href="#">Delete</a>
Finance Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
HR	<a href="#">Edit</a>	<a href="#">Delete</a>
Inventory Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
Manufacturing Engineer	<a href="#">Edit</a>	<a href="#">Delete</a>

Fig 8.7 Editing the access of current user (Admin)

**Edit Designation Form**

**Edit Designation**

**Designation**

Admin

**Approximate Monthly Salary (₹)**

100000

**Give Access:**

- ☒ Add User
- ☒ Add Designation
- ☒ Add Vendor
- ☒ Current Vendors
- ☒ Add Raw Material
- ☒ Available Raw Materials
- ☒ Order Raw Material
- ☒ Return Raw Material
- ☒ Add Product
- ☒ Available Products
- ☐ Customer Inquiry (On-site)
- ☐ Active Users

**Save**

**Existing Designations**

Designation	Edit	Delete
Admin	<a href="#">Edit</a>	<a href="#">Delete</a>
Finance Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
HR	<a href="#">Edit</a>	<a href="#">Delete</a>
Inventory Manager	<a href="#">Edit</a>	<a href="#">Delete</a>
Manufacturing Engineer	<a href="#">Edit</a>	<a href="#">Delete</a>

Fig 8.8 Updated access of the Admin

The screenshot shows the 'Add Products' page in the Corporate Plus application. The browser address bar displays 'localhost/CorporatePlus/views/addProduct.php'. The left sidebar menu is open, showing the 'Forms' section with 'Add Product' selected. The main content area has a header 'Add Products' and a sub-header 'Add Product'. The form includes fields for 'Product ID' (with a placeholder 'Enter Product ID'), 'Product Name' (with a placeholder 'Enter Product Name'), and 'Date' (with a placeholder 'dd-mm-yyyy'). Below these fields is a section titled 'Raw Materials used' with a list of checkboxes: Stainless Steel, Brass, Steel, Cooper, Basic Plastics, Engineered Plastics, Minerals, Fittings, Castings, Sectional Metal, Welding Wire, Corners, Keys, Locks, Chains, and Wires.

Fig 8.9 Add Products page

The screenshot shows the 'Add Raw Materials' page in the Corporate Plus application. The browser address bar displays 'localhost/CorporatePlus/views/addRawMaterial.php'. The left sidebar menu is open, showing the 'Forms' section with 'Add Raw Material' selected. The main content area has a header 'Add Raw Materials' and a sub-header 'Add Raw Materials'. The form includes fields for 'Raw Material Name' (a dropdown menu with 'Select' as the current value), 'Vendor Name' (with a placeholder 'Enter Vendor Name'), 'Quantity' (with a value of '1'), 'Date' (with a placeholder 'dd/mm/yy'), and 'Purchase Price' (with a placeholder 'Enter Purchase Price of the Raw Material'). A blue 'Submit' button is located at the bottom of the form. The footer of the page displays 'Copyright © 2020 Corporate Plus. All rights reserved.'

Fig 8.10 Add Raw Materials page

The screenshot shows the 'Add Vendor Form' page in the Corporate Plus application. The browser address bar indicates the URL is localhost/CorporatePlus/views/addVendor.php. The left sidebar menu is open, showing the 'Forms' section with options like 'Add User', 'Add Designation', 'Add Vendor', 'Current Vendors', 'Add Raw Material', 'Available Raw Materials', 'Order Raw Material', 'Return Raw Material', 'Add Product', 'Available Products', 'Customer Inquiry (On-site)', and 'Active Users'. The main content area is titled 'Add Vendor Form' and contains a 'New Vendor' section with the following fields: 'Vendor ID' (text input), 'Vendor Name' (text input), 'Email Address' (text input), and 'Phone Number' (text input). Below these is a 'Raw Materials' section with a 'Select Raw Materials' dropdown menu. The dropdown is open, showing a list of materials: Stainless Steel, Brass, Steel, Copper, and Basic Plastics. The page also has a top navigation bar with 'Home' and 'Add Vendor' links.

Fig 8.11 Add Vendor page

The screenshot shows the 'Order Raw Materials' page in the Corporate Plus application. The browser address bar indicates the URL is localhost/CorporatePlus/views/orderRawMaterial.php. The left sidebar menu is open, showing the 'Forms' section with options like 'Add User', 'Add Designation', 'Add Vendor', 'Current Vendors', 'Add Raw Material', 'Available Raw Materials', 'Order Raw Material', 'Return Raw Material', 'Add Product', 'Available Products', 'Customer Inquiry (On-site)', and 'Active Users'. The main content area is titled 'Order Raw Materials' and contains a 'Purchase Raw Material' section with the following fields: 'Vendor ID' (text input), 'Vendor Name' (text input), 'Email Address' (text input), 'Select Raw Material' (dropdown menu with 'Stainless Steel' selected), 'Quantity' (text input with '1' entered), and 'Date' (text input with 'dd-mm-yyyy' entered). The page also has a top navigation bar with 'Home' and 'Order Raw Materials' links.

Fig 8.12 Order Raw Materials page



The screenshot shows the 'Return Raw Materials' page in the Corporate Plus application. The browser address bar displays 'localhost/CorporatePlus/views/returnRawMaterial.php'. The left sidebar menu is open, showing the 'Forms' section with a dropdown arrow. The main content area has a blue header 'Return Raw Material(Defective)'. Below this, there are several form fields: 'Vendor ID' (text input), 'Select Raw Material' (dropdown menu showing 'Stainless Steel'), 'Quantity' (text input with '1'), 'Purchase Date' (calendar icon and 'dd-mm-yyyy'), 'Return Date' (calendar icon and 'dd-mm-yyyy'), and 'Reason' (text input with placeholder 'Enter the issue'). The breadcrumb trail at the top right shows 'Home / Return Raw Materials'.

Fig 8.13 Return Raw Materials page

The screenshot shows the 'On-site Inquiry' page in the Corporate Plus application. The browser address bar displays 'localhost/CorporatePlus/views/onSiteInquiry.php'. The left sidebar menu is open, showing the 'Forms' section with a dropdown arrow. The main content area has a blue header 'On-site Inquiry'. Below this, there are several form fields: 'Name' (text input), 'Phone Number' (text input), 'Email Address' (text input with placeholder 'email'), 'Product Name' (dropdown menu showing 'Select'), 'Product ID' (text input), 'Date' (calendar icon and 'dd-mm-yyyy'), 'Person who took Inquiry' (text input with placeholder 'Enter Person Name'), and 'Allocated To' (text input). The breadcrumb trail at the top right shows 'Home / On-site Inquiry'.

Fig 8.14.1 On-site Inquiry

The screenshot displays the 'Corporate Plus' web application interface. On the left is a sidebar menu with the user 'Rahul Tiwari' at the top. The menu includes 'Dashboard', 'Forms' (highlighted), and several other options. The main content area shows the 'onSiteInquiry.php' form. This form contains the following fields: 'Product ID' (text input), 'Date' (calendar icon with 'dd-mm-yyyy' placeholder), 'Person who took Inquiry' (text input with 'Enter Person Name' placeholder), 'Allocated To' (dropdown menu showing 'Stainless Steel'), 'Follow Up (Inquiry for second time):' (checkbox), 'Follow Up Date:' (calendar icon with 'dd-mm-yyyy' placeholder), and 'Follow Up Reasons' (text area with 'Enter the reason' placeholder). A 'Submit' button is located at the bottom of the form.

Fig 8.14.2 On-site Inquiry

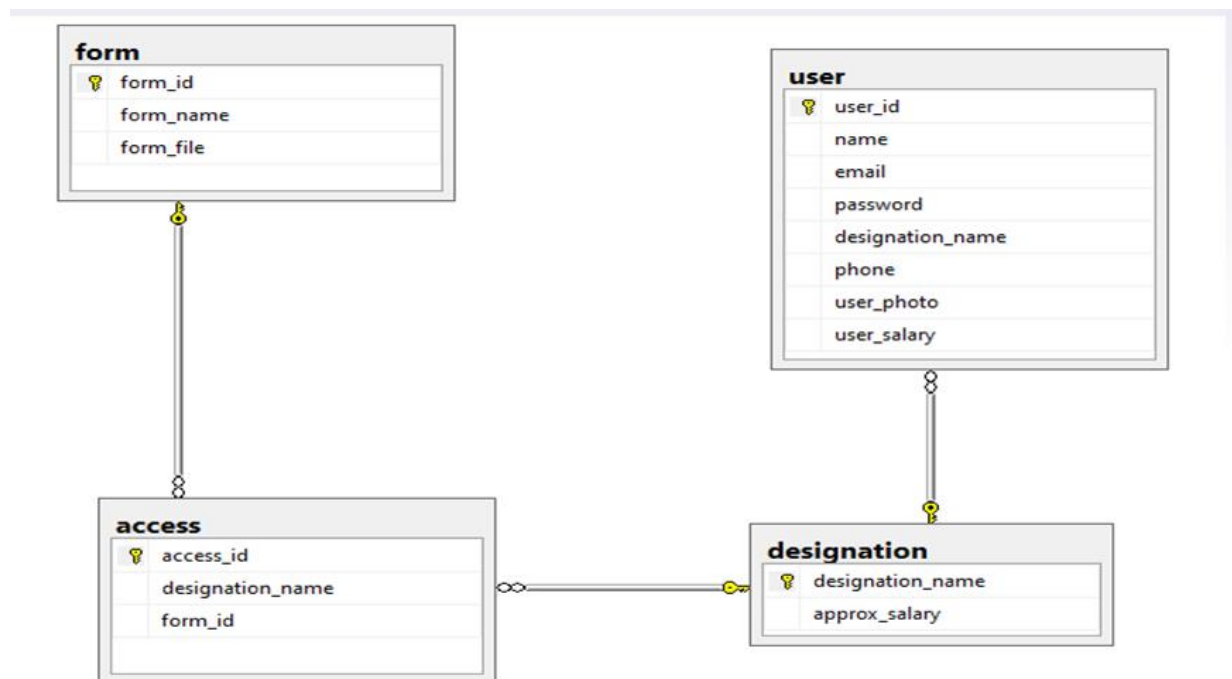


Fig 8.15 Database Schema (until now)

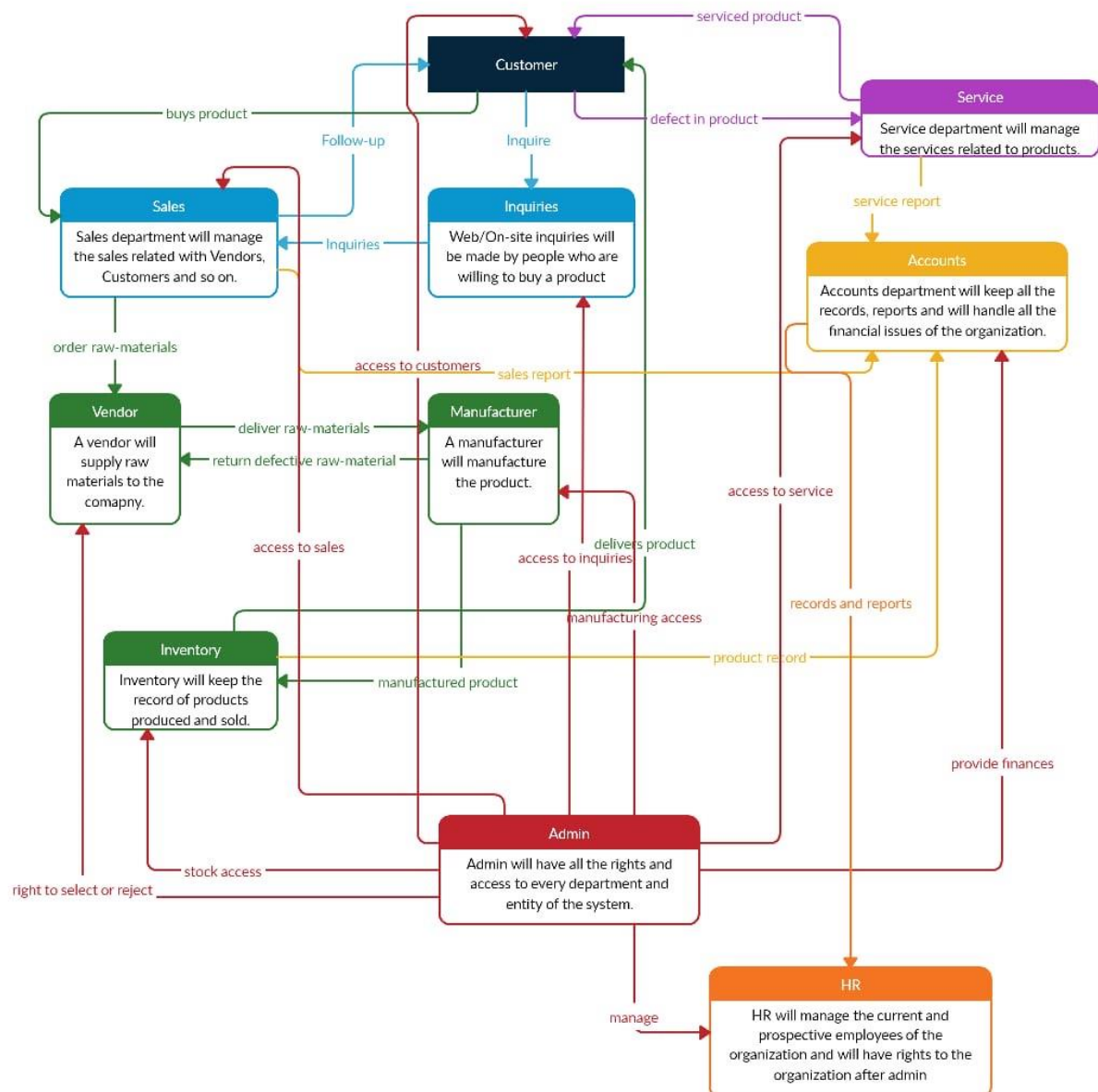
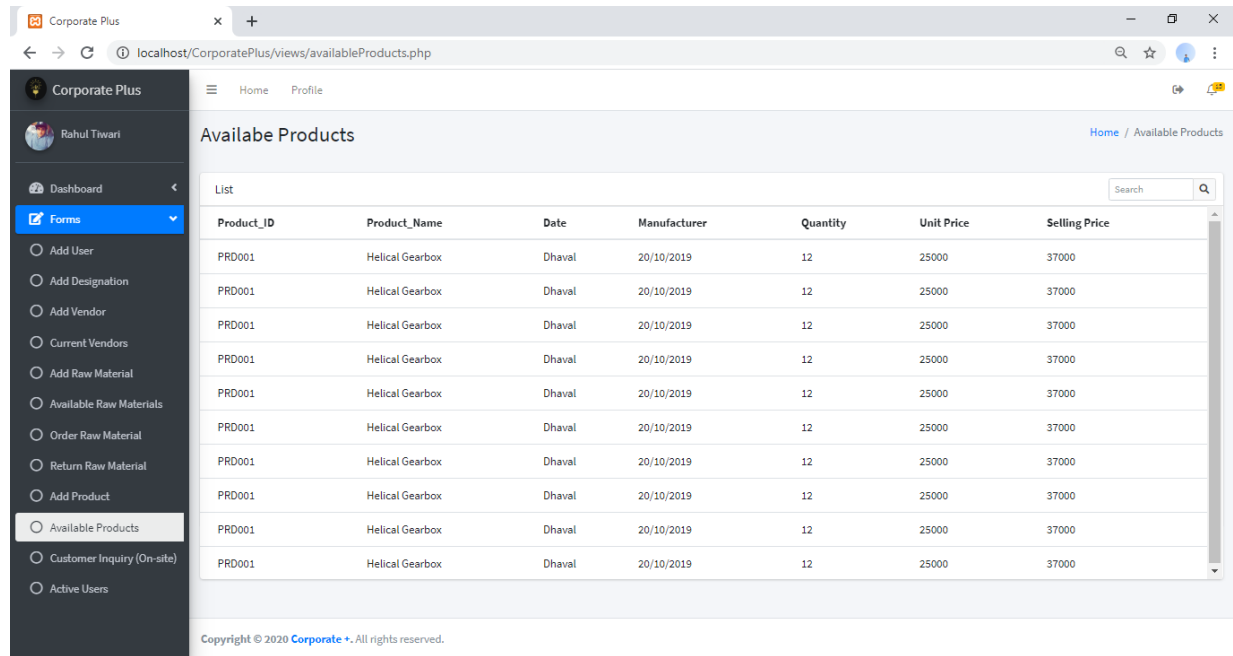


Fig 8.16 Project Flow



Corporate Plus

Home Profile

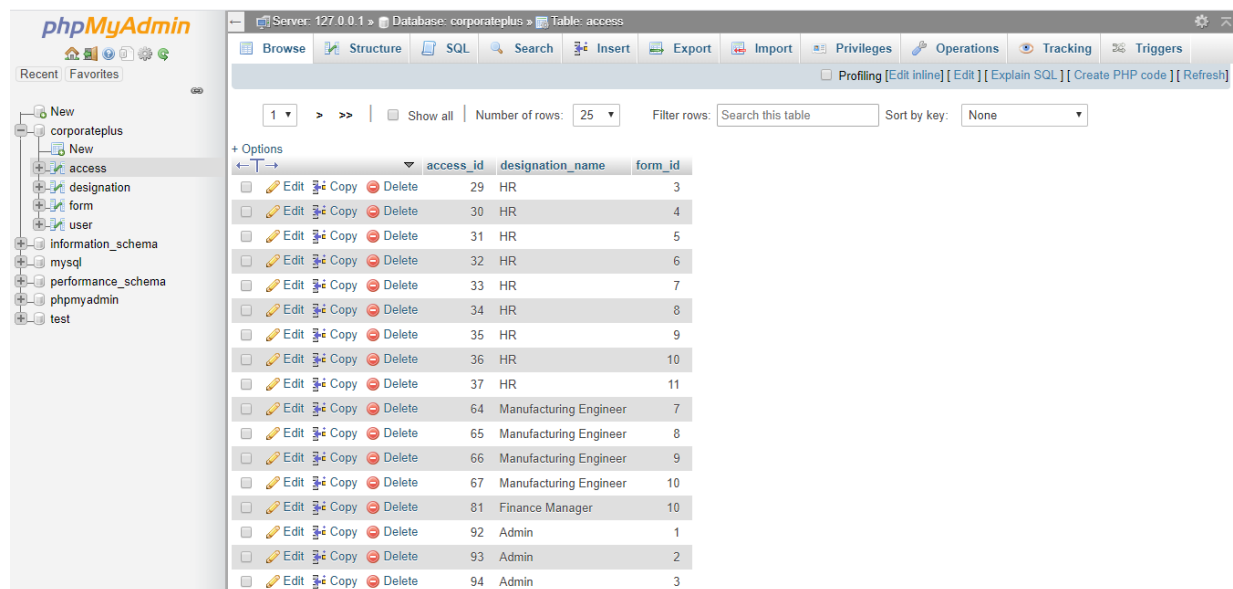
Available Products

List

Product_ID	Product_Name	Date	Manufacturer	Quantity	Unit Price	Selling Price
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000
PRD001	Helical Gearbox	Dhaval	20/10/2019	12	25000	37000

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Fig 8.17 Available Products



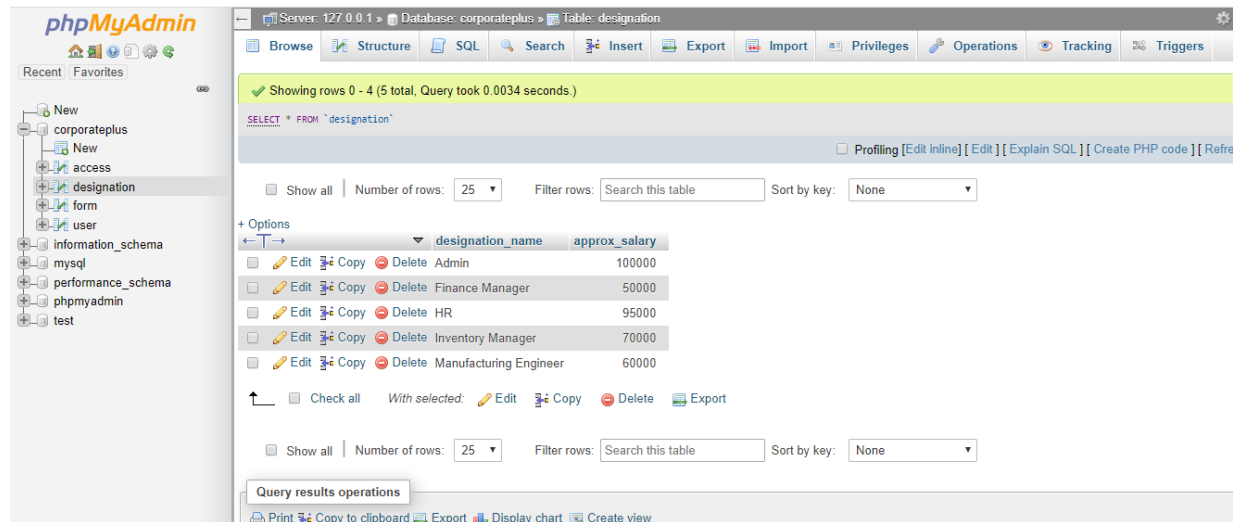
phpMyAdmin

Server: 127.0.0.1 » Database: corporateplus » Table: access

Options

access_id	designation_name	form_id
29	HR	3
30	HR	4
31	HR	5
32	HR	6
33	HR	7
34	HR	8
35	HR	9
36	HR	10
37	HR	11
64	Manufacturing Engineer	7
65	Manufacturing Engineer	8
66	Manufacturing Engineer	9
67	Manufacturing Engineer	10
81	Finance Manager	10
92	Admin	1
93	Admin	2
94	Admin	3

Fig 8.18 Access table (Database)



Server: 127.0.0.1 » Database: corporateplus » Table: designation

Showing rows 0 - 4 (5 total, Query took 0.0034 seconds.)

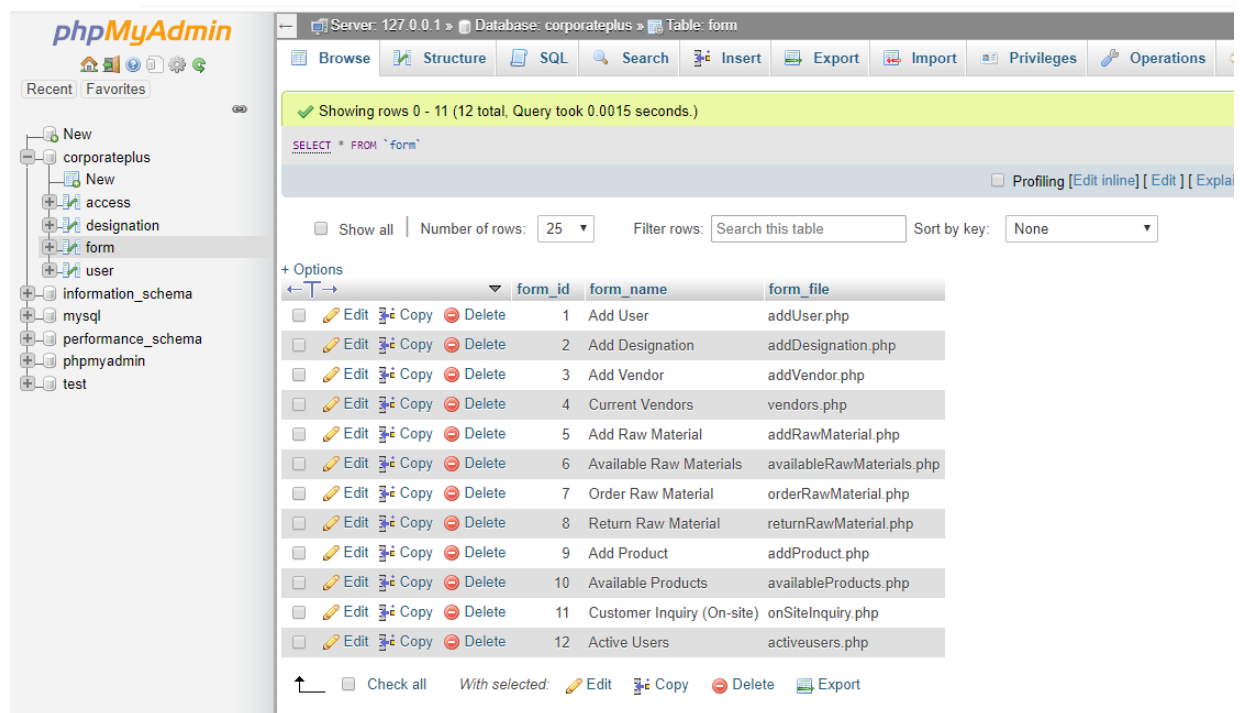
SELECT \* FROM `designation`

Options: designation\_name, approx\_salary

	designation_name	approx_salary
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Admin	100000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Finance Manager	50000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	HR	95000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Inventory Manager	70000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Manufacturing Engineer	60000

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Fig 8.19 Designation table (Database)



Server: 127.0.0.1 » Database: corporateplus » Table: form

Showing rows 0 - 11 (12 total, Query took 0.0015 seconds.)

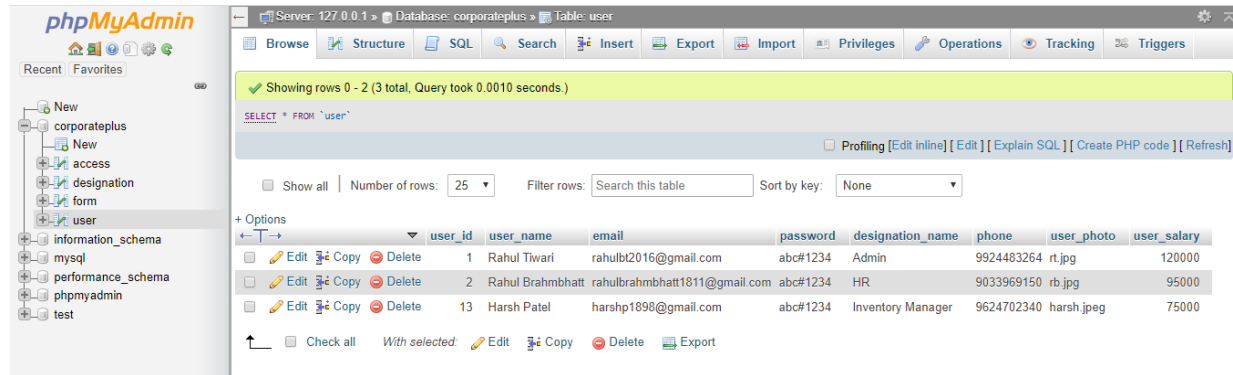
SELECT \* FROM `form`

Options: form\_id, form\_name, form\_file

	form_id	form_name	form_file
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Add User	addUser.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Add Designation	addDesignation.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	Add Vendor	addVendor.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	Current Vendors	vendors.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	Add Raw Material	addRawMaterial.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	Available Raw Materials	availableRawMaterials.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	7	Order Raw Material	orderRawMaterial.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	8	Return Raw Material	returnRawMaterial.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	9	Add Product	addProduct.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	10	Available Products	availableProducts.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	Customer Inquiry (On-site)	onSiteInquiry.php
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	Active Users	activeusers.php

Query results operations: Check all, With selected: Edit, Copy, Delete, Export

Fig 8.20 Form table (Database)



Server: 127.0.0.1 > Database: corporateplus > Table: user

Showing rows 0 - 2 (3 total, Query took 0.0010 seconds.)

SELECT \* FROM `user`

Number of rows: 25    Filter rows: Search this table    Sort by key: None

	user_id	user_name	email	password	designation_name	phone	user_photo	user_salary
<input type="checkbox"/>	1	Rahul Tiwari	rahulbt2016@gmail.com	abc#1234	Admin	9924483264	rt.jpg	120000
<input type="checkbox"/>	2	Rahul Brahmhatt	rahulbrahmhatt1811@gmail.com	abc#1234	HR	9033969150	rb.jpg	95000
<input type="checkbox"/>	13	Harsh Patel	harshp1898@gmail.com	abc#1234	Inventory Manager	9624702340	harsh.jpeg	75000

Check all    With selected: Edit Copy Delete Export

Fig 8.21 User table (Database)