

1. Performing a small task in order to check the compatibility of merging the database entries from laravel framework Database to MVC Database. The laravel project that was created last week regarding the CRUD operations on student system was reused and a new table was created in the existing database Corporate Plus to check that whether the data from laravel can be sent to that table, for this in the database.php file two database connections were given (mysql and mysql2), also the .env file was modified for the same. Join operation could be performed through which the entries were displayed in the table of corporate database but this had limitation because the join operation can be performed only if the ids of both the column in two tables can be matched, doing that dynamically was not possible. Hence, due to unsuccessful results of this instead of using laravel framework, the website needs to be developed using the MVC architecture.
2. Creating the products page which displays the information about the products in the database along with it's code, name,category, raw materials that are used in manufacturing that product, available quantity, the user who added the product , it also allows to alter the status of any product according to the scenario. The add product button is present on the title bar itself that allows to add new products and once they are added , will be displayed along with the other products. Also, the functionality of editing the product is provided which fetches the product code as well as the category but it can not be edited, whereas the other fields can be edited and the changes will be saved and reflected, but at this point of time the data is not being updated though it is being posted successfully, but it will be in the working state by the next week.
3. Initiation of the client website is done and half of the homepage is ready, at this point of time the website is given the name CORPORATE PLUS, but in the next week a new name for it will be decided. At this point of time, the header and footer are designed, also the navigation bar is designed with required fields like Home, About us, Services, Products, Portfolio, Team and Contact us. Bootstrap is used for providing effects to the website and various other animations and properties are also used for the same.

4. A new page for displaying the raw materials that are ordered by the company is created, where for adding any new entry of ordered raw materials, the vendor from whom the raw materials are ordered is to be selected and the next field i.e raw materials will fetch all the raw materials that are sold by that particular vendor, the quantity alongwith the unit price is to be selected and also the date of delivery. So the list will display the Raw material name, Quantity , Vendor Reg. num , unit cost, delivery date , user who ordered the raw materials and also the total cost which will be calculated according to the quantity and unit cost.
5. Also, the functionality to return the raw materials if they are found to be defective is added where the along with the list of ordered raw materials an option for return (if defective) is given if it is selected then a new form will be opened which will contain all the field as present in the list of ordered raw materials , in that the quantity of raw materials which are to be returned is to be mentioned and also the reason for returning it should be mentioned. Now clicking the submit button this entry will be added in a new form which displays the returned raw materials record.
6. Creating a page for on-site inquiry where the information from a visiting client/customer inquiring about the product of their choice can be stored. Here, the details that would be taken from the customer will be their name, contact number, email id, the category and the name of the product that they are interested in. The other details such as the price for the product, date of the inquiry will be derived automatically based on the choice of product and the date on the day of inquiry. The name of the salesperson/sales engineer who would be allocated to answer the inquiry of the visiting client/customer will also be stored in the system at the time of inquiry and later the client/customer would be contacted by the sales team in case they need a follow up on their inquiry. Also, there is an email facility where the client/customer receives an email acknowledging the receipt of their inquiry at the organization.
7. Addition of search functionality to the users page so that a required user can be found among the list of many users with an ease. Here, besides the function of searching, the page also supports the function to either edit the information of a user or deactivate an active user or vice-versa directly from the page that displays the result of search.

8. There is also a database schema attached at the end of this document which shows the progress made in this project till date in terms of storing the data. It also shows how different tables are related to each other via primary key and foreign key. There is a master table for each department in this project which reduces the redundancy and helps in achieving normalization.

Screenshots:-

1. Task (Laravel-MVC)

```
C:\xampp\htdocs\Laravel>cd CRUD  
C:\xampp\htdocs\Laravel\CRUD>php artisan make:migration create_sample_data_table --create=sample_data  
Created Migration: 2020_02_25_071932_create_sample_data_table
```

Fig 11.1 Create Sample_table.PNG

```
C:\xampp\htdocs\Laravel\CP>  
php artisan migrate  
Migrating: 2014_10_12_000000_create_users_table  
Illuminate\Database\QueryException : SQLSTATE[42S01]: Base table or view already exists: 1050 Table 'users' already exists (SQL: create table `users` (`id` bigint unsigned not null auto-increment primary key, `name` varchar(255) not null, `email` varchar(255) not null, `email_verified_at` timestamp null, `password` varchar(255) not null, `fname_id` int unsigned not null, `remember_token` varchar(100) null, `created_at` timestamp null, `updated_at` timestamp null) default character set utf8mb4 collate 'utf8mb4_unicode_ci')  
at C:\xampp\htdocs\Laravel\CP\vendor\laravel\framework\src\Illuminate\Database\Connection.php:669  
665 // If an exception occurs when attempting to run a query, we'll format the error  
666 // message to include the bindings with SQL, which will make this exception a  
667 // lot more helpful to the developer instead of just the database's errors.  
668 catch (Exception $e) {  
> 669     throw new QueryException(  
670         $query, $this->prepareBindings($bindings), $e  
671     );  
672 }  
673  
Exception trace:  
1 PDOException: ("SQLSTATE[42S01]: Base table or view already exists: 1050 Table 'users' already exists")  
C:\xampp\htdocs\Laravel\CP\vendor\laravel\framework\src\Illuminate\Database\Connection.php:463  
2 PDOStatement::execute()  
C:\xampp\htdocs\Laravel\CP\vendor\laravel\framework\src\Illuminate\Database\Connection.php:463  
Please use the argument -v to see more details.  
C:\xampp\htdocs\Laravel\CP>
```

Fig 11.2 Error (Already Existing Table)

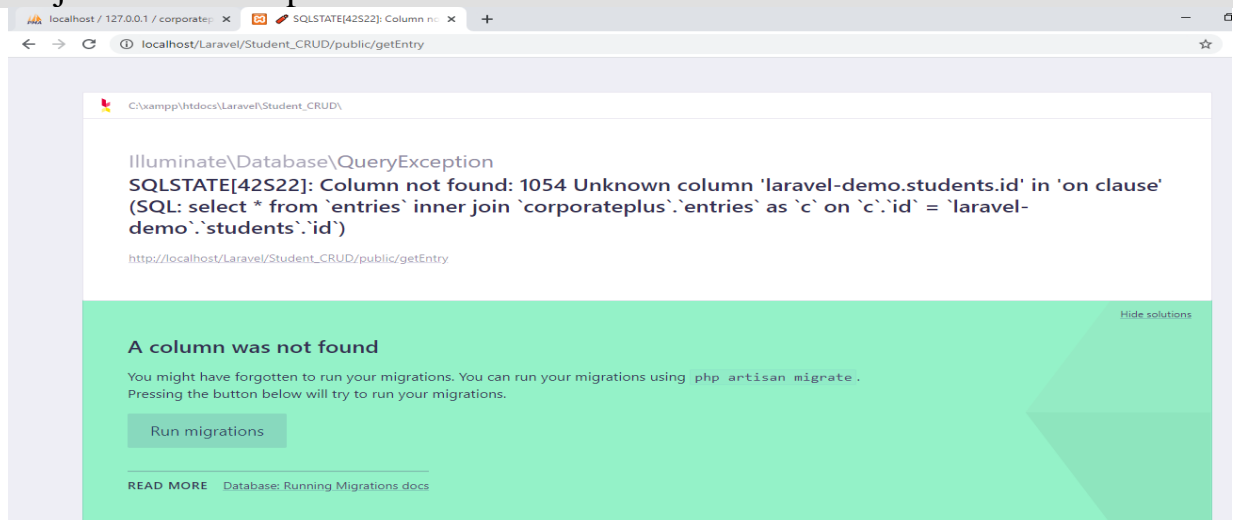


Fig 11.3 Error(Column not found)

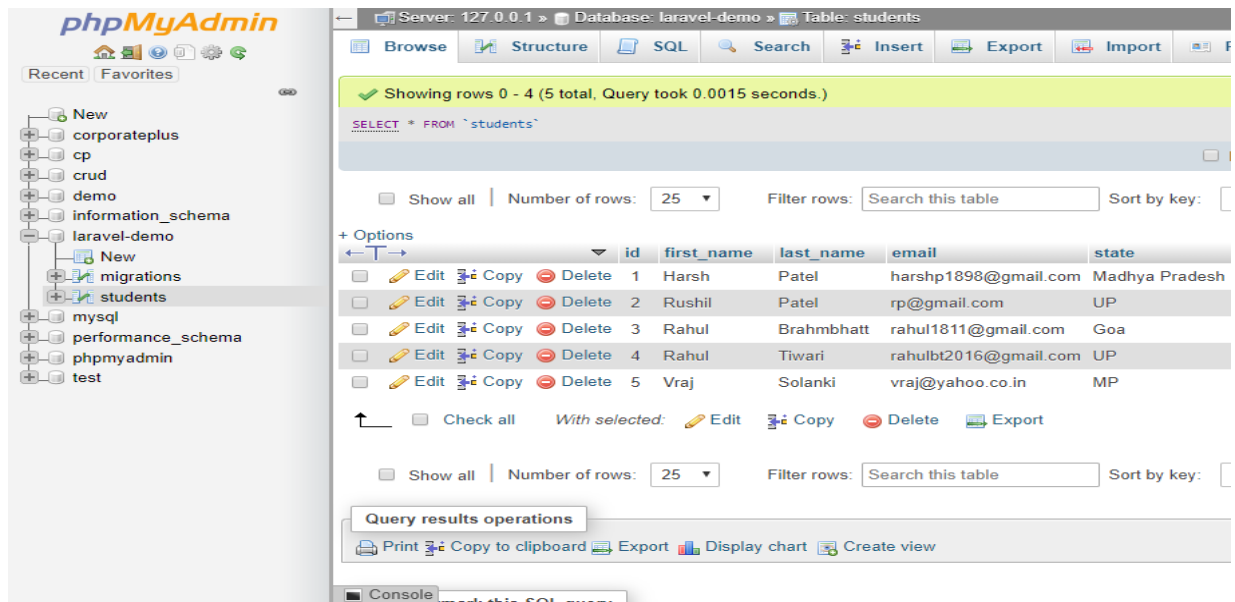


Fig 11.4 Laravel Database

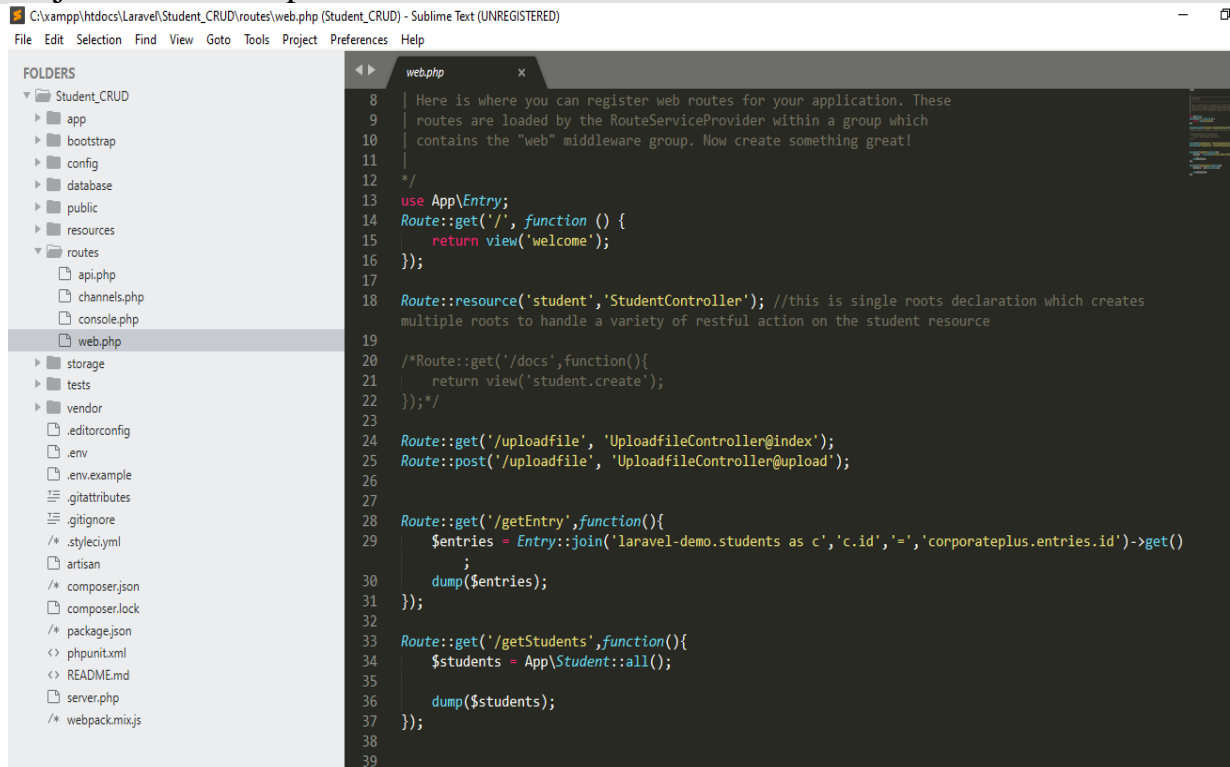


Fig 11.5 Route File (Join)

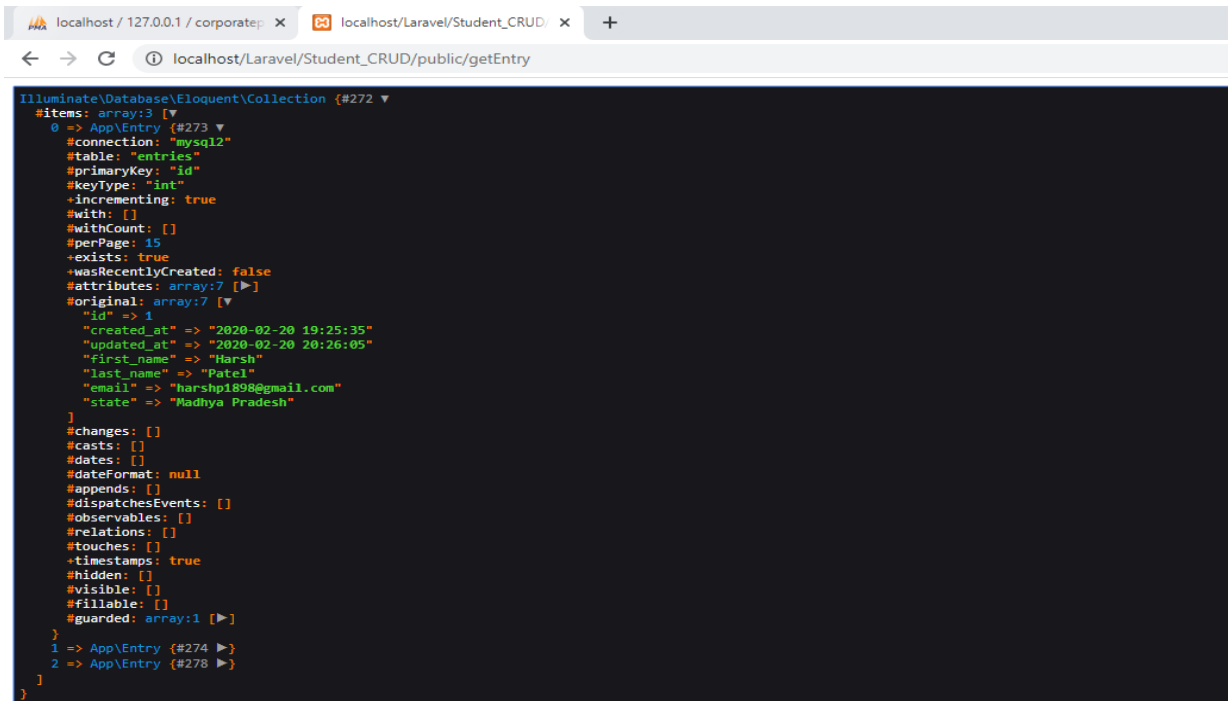
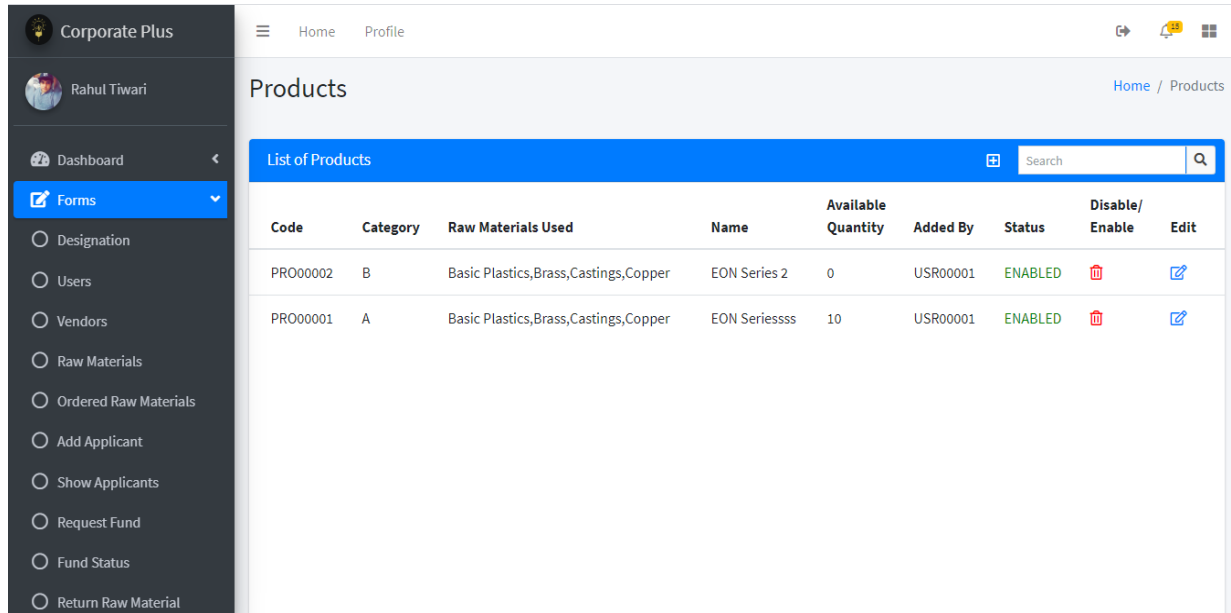


Fig 11.6 Successful Join

2. Products Page



Corporate Plus

Home Profile

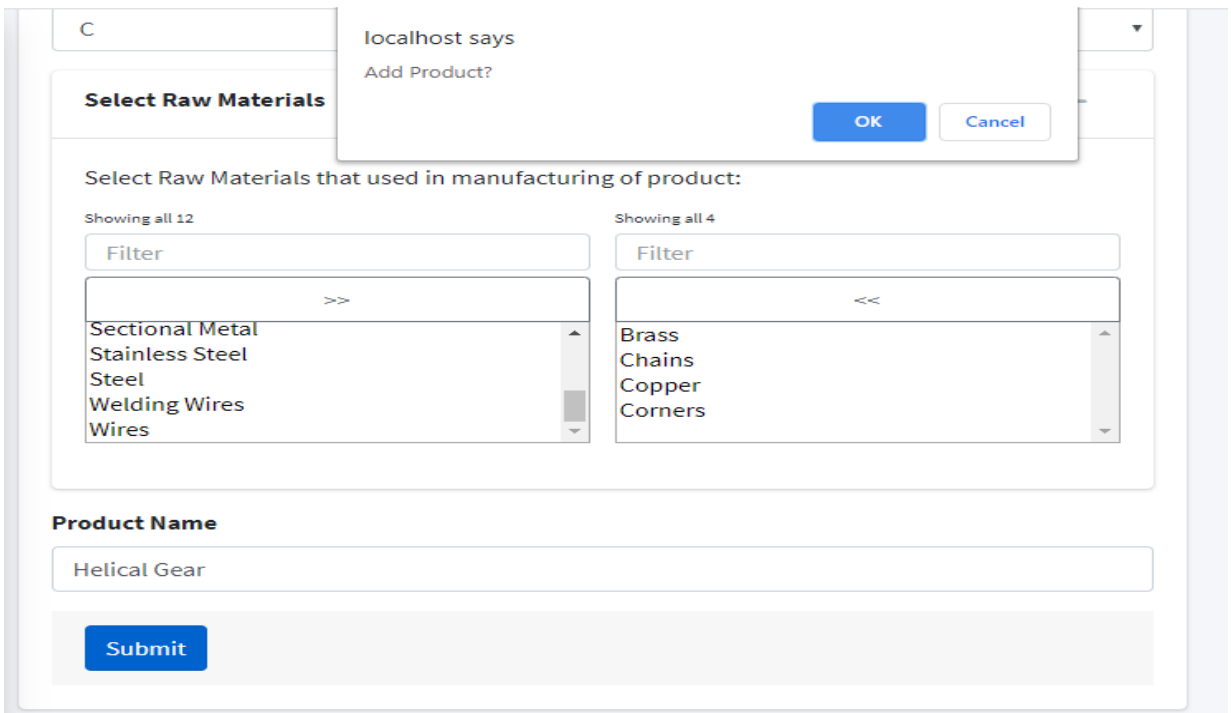
Products

Home / Products

List of Products

Code	Category	Raw Materials Used	Name	Available Quantity	Added By	Status	Disable/Enable	Edit
PRO00002	B	Basic Plastics,Brass,Castings,Copper	EON Series 2	0	USR00001	ENABLED		
PRO00001	A	Basic Plastics,Brass,Castings,Copper	EON Seriessss	10	USR00001	ENABLED		

Fig 11.7 List of Products



localhost says
Add Product?

Select Raw Materials

Select Raw Materials that used in manufacturing of product:

Showing all 12

Filter

Sectional Metal
Stainless Steel
Steel
Welding Wires
Wires

Showing all 4

Filter

Brass
Chains
Copper
Corners

Product Name

Helical Gear

Submit

Fig 11.8 Adding New Product.

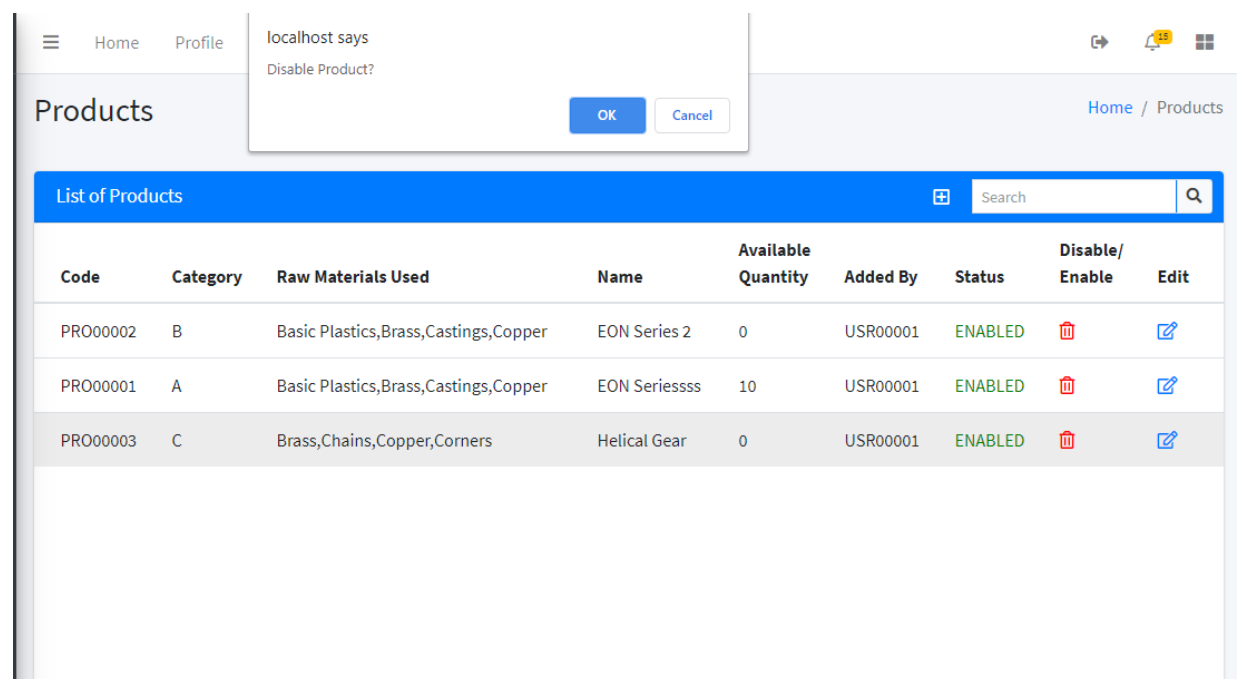


Fig 11.9 Disabling the new product

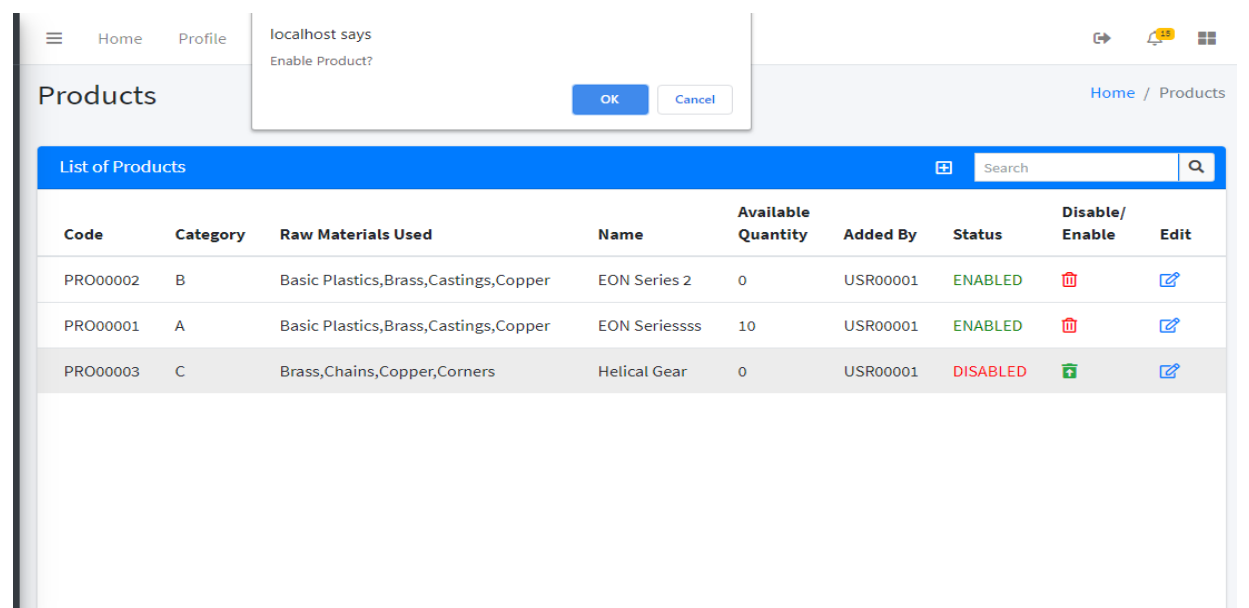


Fig 11.10 Enabling the disabled product.PNG



Fig 11.11 Header_NavBar

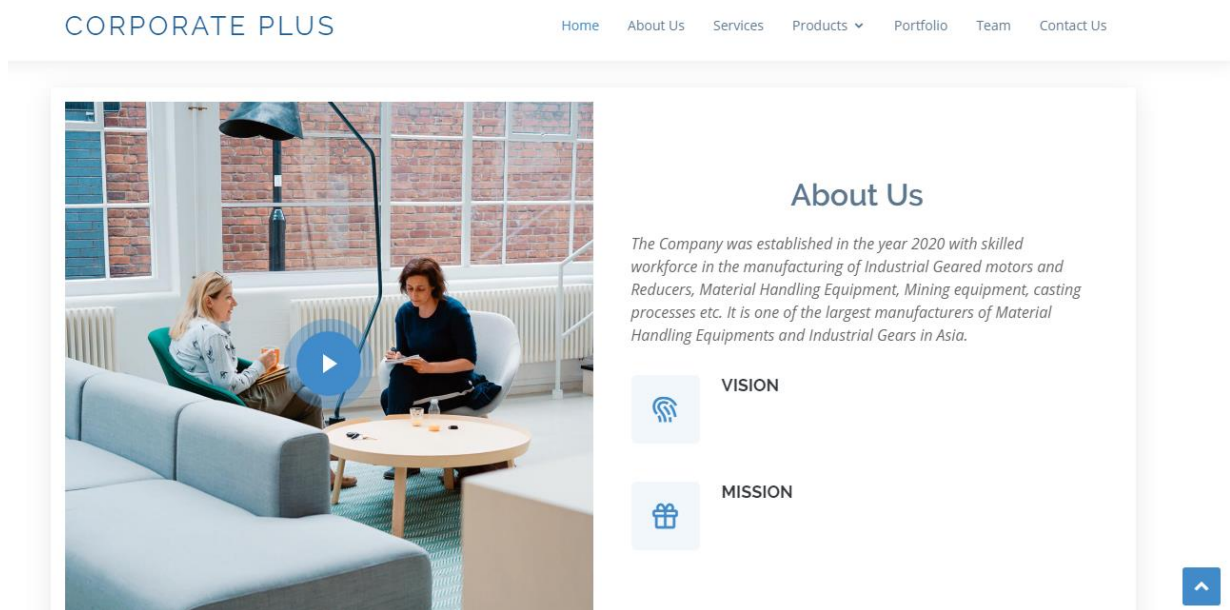


Fig 11.12 About Us

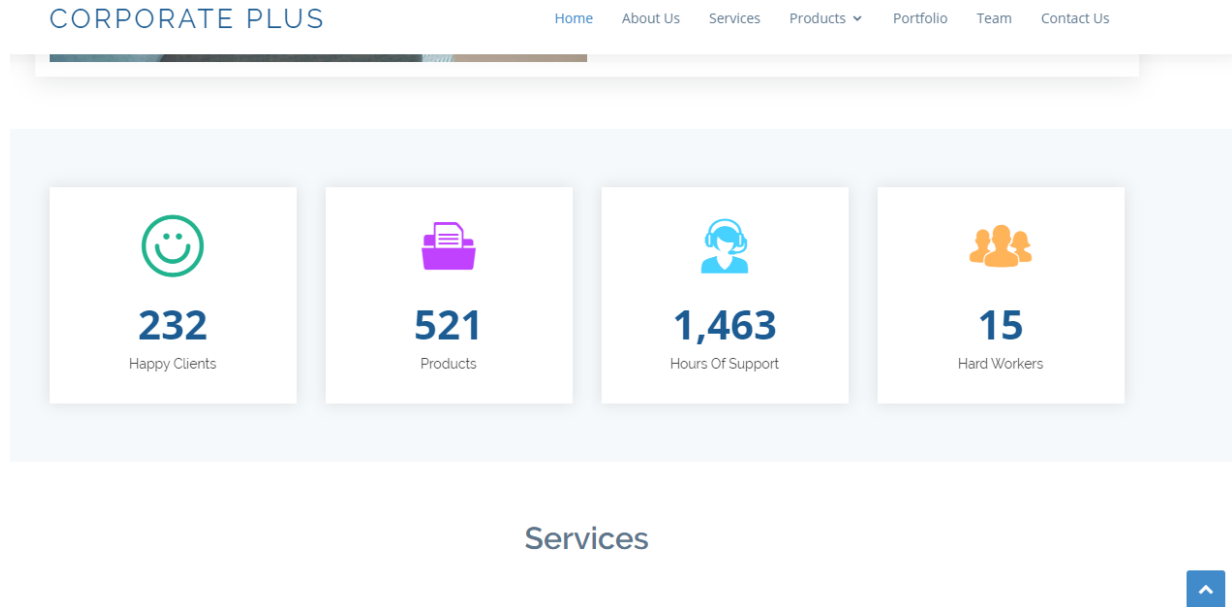


Fig 11.13 Display Assets

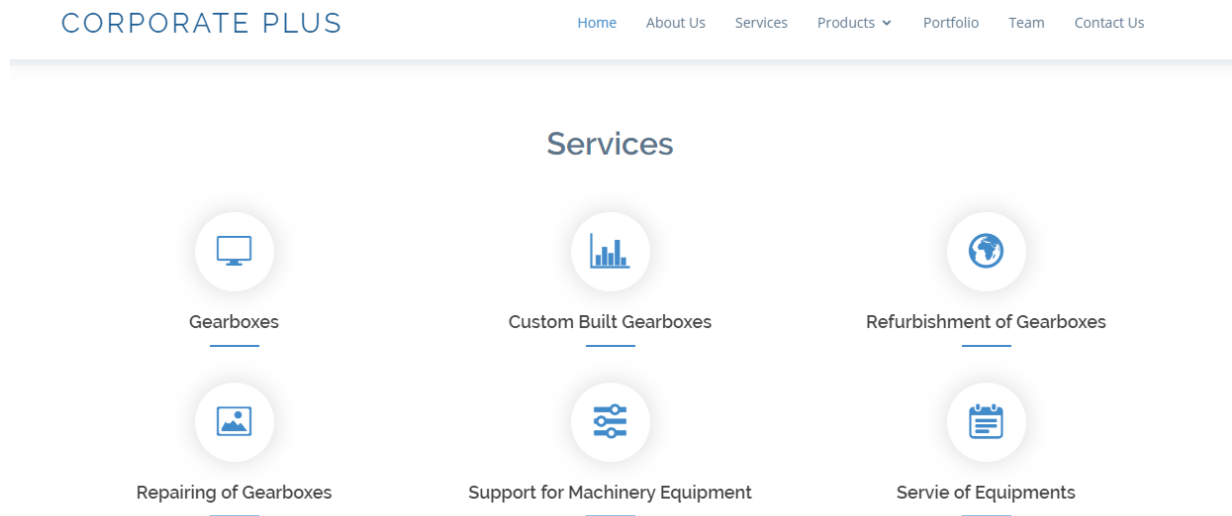


Fig 11.14 Services

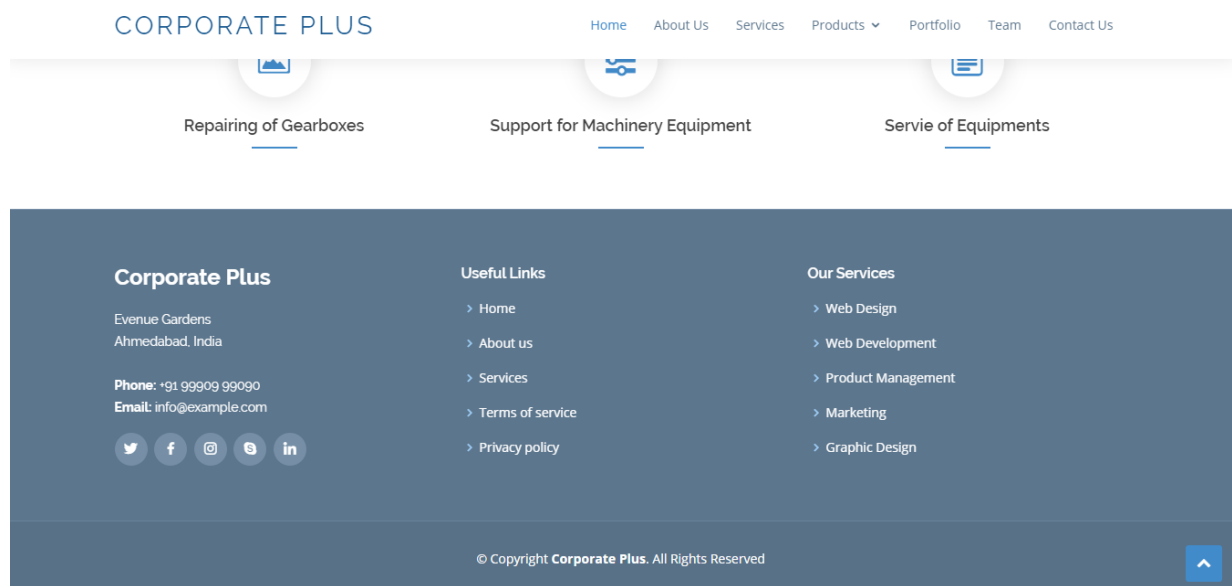
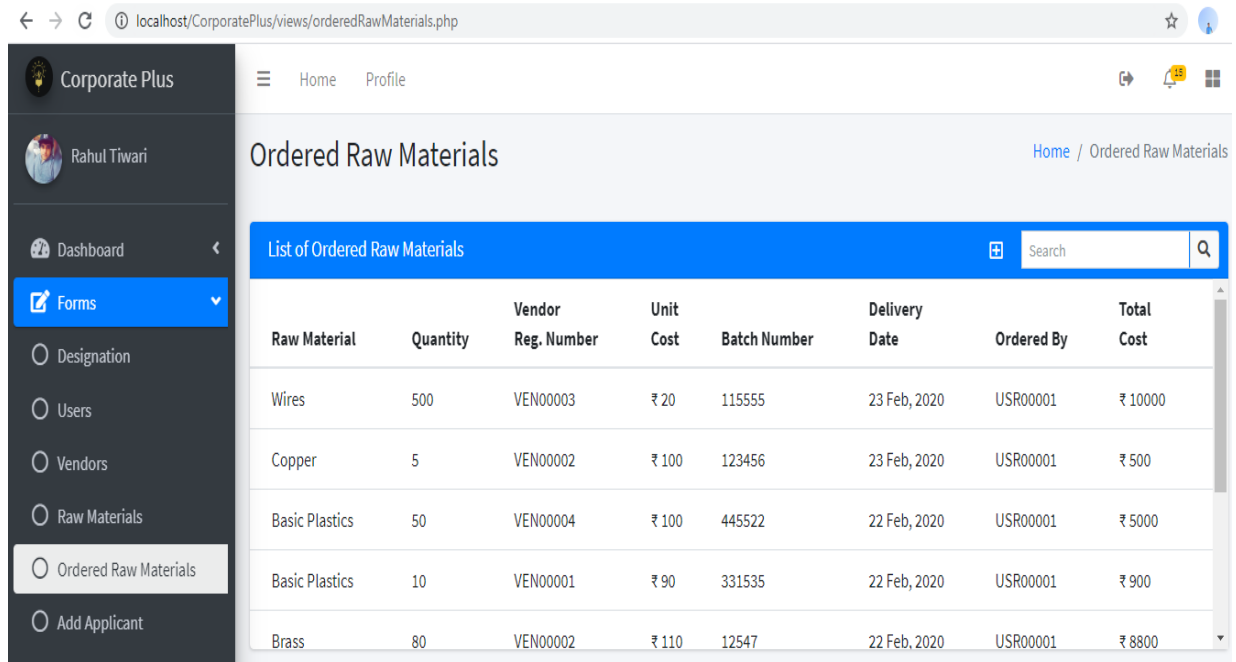


Fig 11.15 Footer

4. Ordered Raw Materials & Returned Raw Materials



Corporate Plus

Home Profile

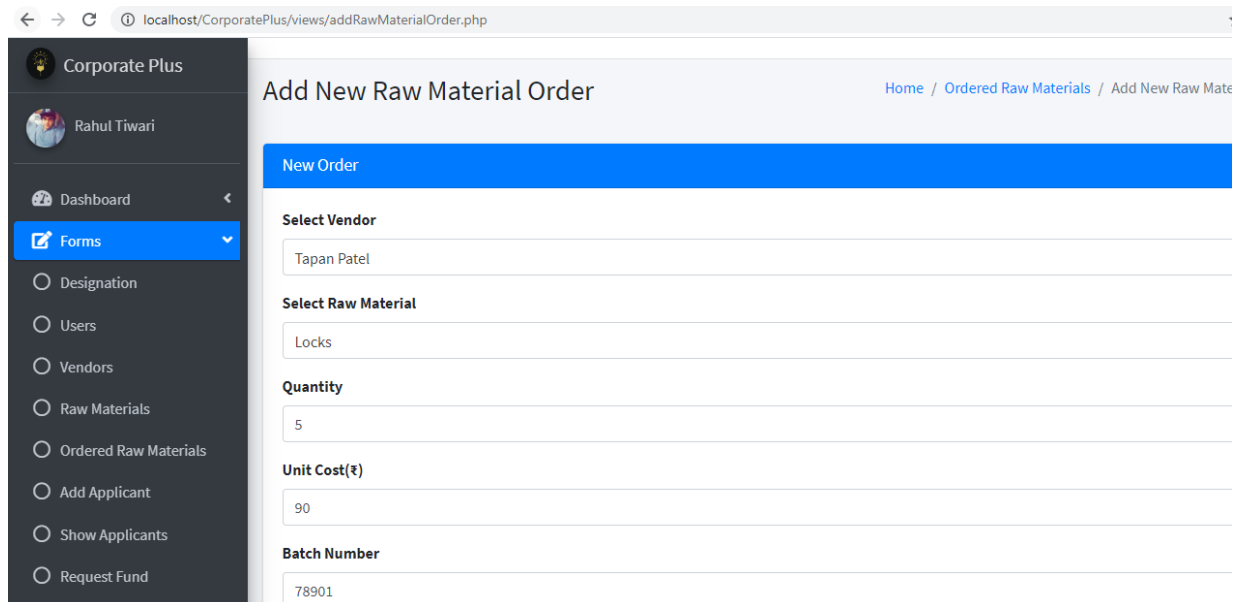
Ordered Raw Materials

Home / Ordered Raw Materials

List of Ordered Raw Materials

Raw Material	Quantity	Vendor Reg. Number	Unit Cost	Batch Number	Delivery Date	Ordered By	Total Cost
Wires	500	VEN00003	₹ 20	115555	23 Feb, 2020	USR00001	₹ 10000
Copper	5	VEN00002	₹ 100	123456	23 Feb, 2020	USR00001	₹ 500
Basic Plastics	50	VEN00004	₹ 100	445522	22 Feb, 2020	USR00001	₹ 5000
Basic Plastics	10	VEN00001	₹ 90	331535	22 Feb, 2020	USR00001	₹ 900
Brass	80	VEN00002	₹ 110	12547	22 Feb, 2020	USR00001	₹ 8800

Fig 11.16 List of Ordered Raw Materials



Corporate Plus

Home / Ordered Raw Materials / Add New Raw Material Order

Add New Raw Material Order

New Order

Select Vendor

Tapan Patel

Select Raw Material

Locks

Quantity

5

Unit Cost(₹)

90

Batch Number

78901

Fig 11.17 Adding new raw material

Ordered Raw Materials [Home](#) / Ordered Raw Materials

List of Ordered Raw Materials

Raw Material	Quantity	Vendor Reg. Number	Unit Cost	Batch Number	Delivery Date	Ordered By	Total Cost
Corners	200	VEN00003	₹ 50	3366248	22 Feb, 2020	USR00001	₹ 10000
Castings	50	VEN00004	₹ 80	1155783	22 Feb, 2020	USR00001	₹ 4000
Brass	80	VEN00002	₹ 110	12547	22 Feb, 2020	USR00001	₹ 8800
Basic Plastics	10	VEN00001	₹ 90	331535	22 Feb, 2020	USR00001	₹ 900
Locks	5	VEN00004	₹ 90	78901	26 Feb, 2009	USR00001	₹ 450

Fig 11.18 Ordered raw materials added

SELECT * FROM `raw_material_orders`

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create PHP code\]](#) [\[Refresh\]](#)

☐ Show all | Number of rows: 25 | Filter rows: | Sort by key:

+ Options

	raw_mat_order_id	raw_mat_id	vendor_id	batch_number	quantity	quantity_in_stock	unit_cost	delivery_date	ordered_by
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	5	184	445522	50	40	100	2020-02-22	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	13	5	181	331535	10	10	90	2020-02-22	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	14	2	182	12547	80	80	110	2020-02-22	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15	9	184	1155783	50	50	80	2020-02-22	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	16	12	183	3366248	200	180	50	2020-02-22	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	17	4	182	100655	50	45	90	2020-02-22	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	18	15	184	8855662	80	80	60	2020-02-22	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	19	16	183	115555	500	400	20	2020-02-23	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	20	4	182	123456	5	5	100	2020-02-23	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	21	8	184	999885	50	50	80	2020-02-23	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	22	14	182	9855478	30	30	50	2020-02-24	1

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Console

Fig 11.19 Table (Ordered Raw Materials)

SELECT * FROM `returned_raw_materials`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | **Restore column order** | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	returned_raw_mat_id	raw_mat_order_id	return_date	returned_quantity	reason	returned_by
<input type="checkbox"/> Edit Copy Delete	3	12	2020-02-23	10	Broken and old material	1
<input type="checkbox"/> Edit Copy Delete	4	17	2020-02-23	5	Rusted	1
<input type="checkbox"/> Edit Copy Delete	5	16	2020-02-23	20	Damaged	1
<input type="checkbox"/> Edit Copy Delete	6	19	2020-02-24	100	Low Quality Material	1

☐ Check all | With selected: Edit Copy Delete Export

Fig 11.20 Table (Returned raw materials)

Home Profile

Ordered Raw Materials

Home / Ordered Raw Materials

List of Ordered Raw Materials

Raw Material	Quantity (Ordered)	Quantity (In stock)	Vendor Reg. Number	Unit Cost	Batch Number	Delivery Date	Ordered By	Total Cost	Return (Defective)
Keys	30	30	VEN00002	₹ 50	9855478	24 Feb, 2020	USR00001	₹ 1500	↻
Fittings	50	50	VEN00004	₹ 80	999885	23 Feb, 2020	USR00001	₹ 4000	↻
Copper	5	5	VEN00002	₹ 100	123456	23 Feb, 2020	USR00001	₹ 500	↻
Wires	500	400	VEN00003	₹ 20	115555	23 Feb, 2020	USR00001	₹ 10000	↻
Chains	80	80	VEN00004	₹ 60	8855662	22 Feb, 2020	USR00001	₹ 4800	↻

Find Vendor Assist

Select Raw Material :

Fig 11.21 Functionality of returning defective raw materials

Add New Returned Raw Material

Home / Ordered Raw Materials / Add New Returned Raw Material

New Return Entry

Vendor (raw material bought from)
Chandan Jaiswal

Raw Material (to be returned)
Keys

Quantity Ordered
30

Select Quantity Returned
1

Unit Cost(₹)
50

Unit Cost(₹)
50

Batch Number
9855478

Date of raw material delivery
24-02-2020

Date of return
27-02-2020

Reason for returning / Defect
Enter the issue

Submit

Fig 11.22 Form for returning defective raw materials

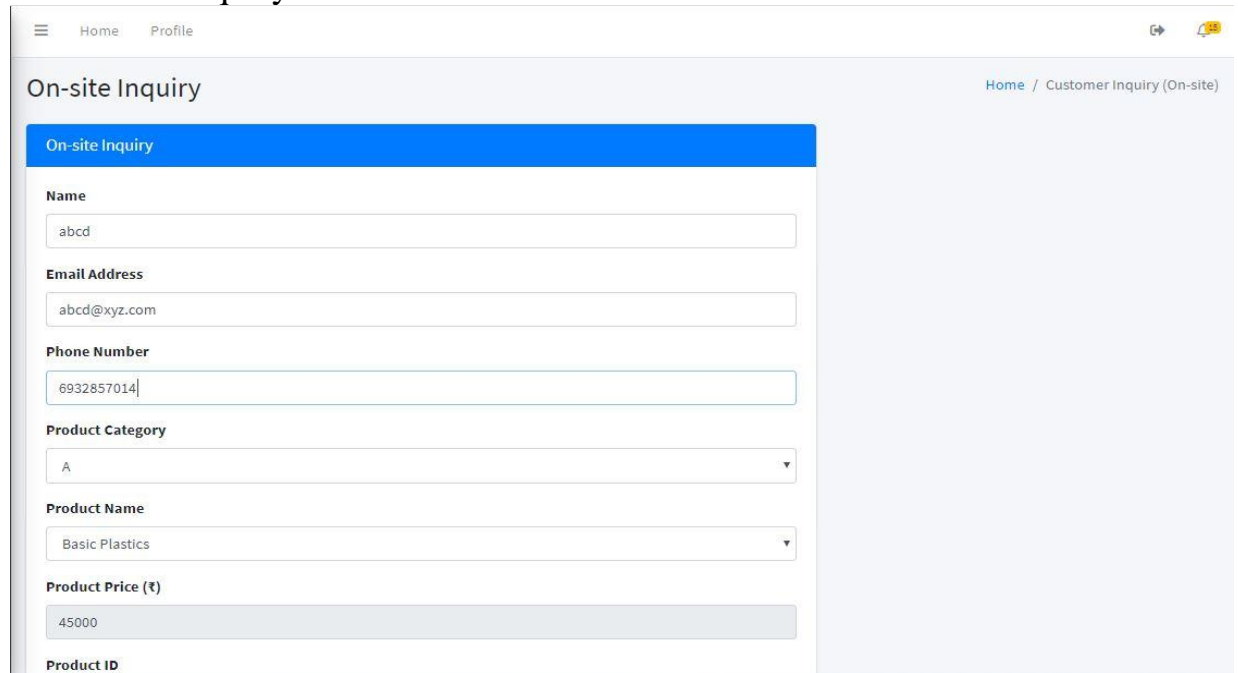
Returned Raw Materials [Home](#) / [Returned Raw Materials](#)

List of Returned Raw Materials

Raw Material	Quantity Returned	Vendor Reg. Number	Unit Cost	Batch Number	Return Date	Returned By	Reason to Return	Capital Reclaimed
Basic Plastics	10	VEN00004	₹ 100	445522	23 Feb, 2020	USR00001	Broken and old material	₹ 1000
Copper	5	VEN00002	₹ 90	100655	23 Feb, 2020	USR00001	Rusted	₹ 450
Corners	20	VEN00003	₹ 50	3366248	23 Feb, 2020	USR00001	Damaged	₹ 1000
Wires	100	VEN00003	₹ 20	115555	24 Feb, 2020	USR00001	Low Quality Material	₹ 2000

Fig 11.23 List of Returned raw materials

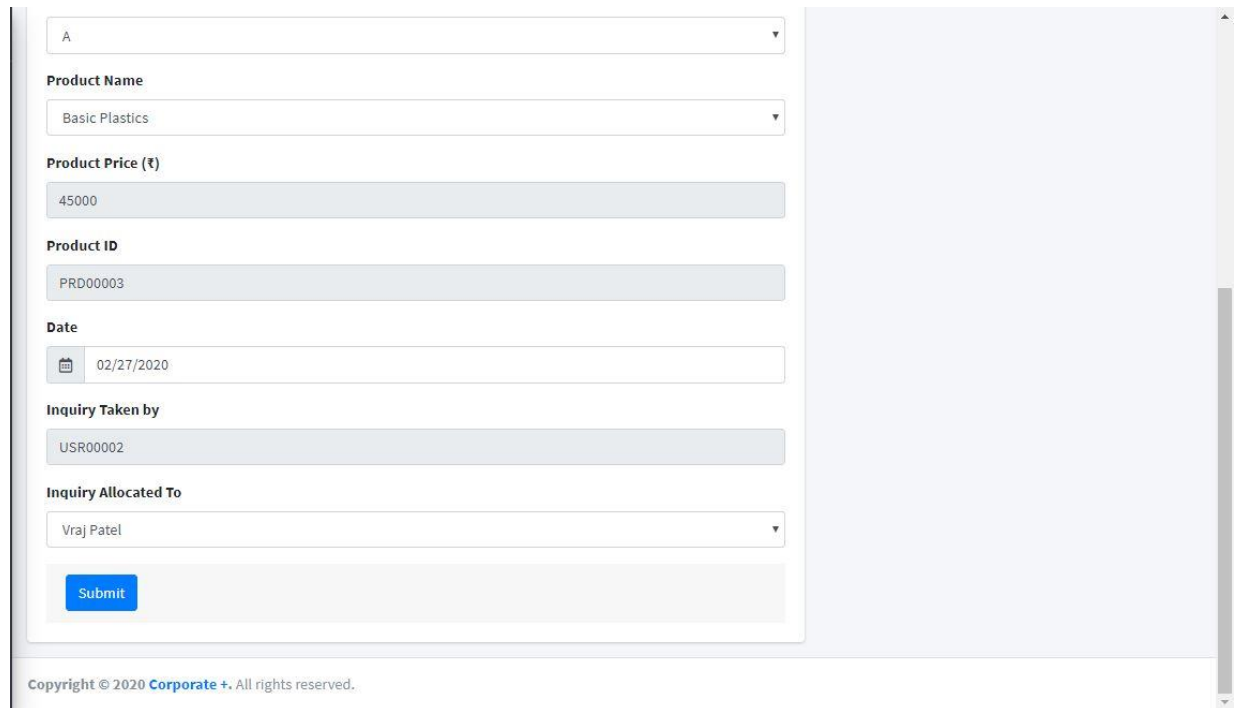
5. On Site Inquiry:



The screenshot shows a web application interface for an "On-site Inquiry". At the top, there is a navigation bar with "Home" and "Profile" links. Below the navigation bar, the page title "On-site Inquiry" is displayed. The form itself is titled "On-site Inquiry" and contains the following fields:

- Name:** A text input field containing "abcd".
- Email Address:** A text input field containing "abcd@xyz.com".
- Phone Number:** A text input field containing "6932857014".
- Product Category:** A dropdown menu with "A" selected.
- Product Name:** A dropdown menu with "Basic Plastics" selected.
- Product Price (₹):** A text input field containing "45000".
- Product ID:** A text input field that is currently empty.

Fig 11.24.1 On-Site Inquiry form (i)



The screenshot shows the continuation of the "On-site Inquiry" form. The fields shown are:

- Product Name:** A dropdown menu with "Basic Plastics" selected.
- Product Price (₹):** A text input field containing "45000".
- Product ID:** A text input field containing "PRD00003".
- Date:** A date picker field showing "02/27/2020".
- Inquiry Taken by:** A text input field containing "USR00002".
- Inquiry Allocated To:** A dropdown menu with "Vraj Patel" selected.

At the bottom of the form, there is a blue "Submit" button. Below the form, a copyright notice reads: "Copyright © 2020 Corporate +. All rights reserved."

Fig 11.24.2 On-Site Inquiry form (ii)

inquiry_id	customer_name	customer_email	customer_phone	product_category	product_name	product_price	product_id	inquiry_date	inquiry_person	inquiry_allocate
1	Akki	ak@gmail.com	9876543210	B	Brass	29800	PRD00008	2020-02-26	USR00002	Vraj Patel
2	abc	abc@xyz.com	9876543210	A	Steel	39500	PRD00015	2020-02-26	USR00002	Vraj Patel
4	kk	kk@gmail.com	9632587410	B	Basic Plastics	15000	PRD00005	2020-02-26	USR00002	Vraj Patel
5	abcd	abcd@xyz.com	6932857014	A	Basic Plastics	45000	PRD00003	2020-02-27	USR00002	Vraj Patel

Fig 11.25 On-Site Inquiry Table in Database

6. Search in Users page.

Registration Number	Name	Email	Designation	Salary	Phone	Status	Edit	Deactivate
USR00001	Rahul Tiwari	rahulbt2016@gmail.com	HR	95000	9924483264	ACTIVE	Edit	Deactivate
USR00002	Rahul Brahmhatt	rahulbrahmhatt1811@gmail.com	Admin	95000	9033969150	ACTIVE	Edit	Deactivate
USR00003	Harsh Patel	harshp1898@gmail.com	Inventory Manager	75000	9624702340	ACTIVE	Edit	Deactivate
USR00004	Vraj Patel	vrajkp99@gmail.com	Salesperson	60000	9876543210	ACTIVE	Edit	Deactivate

Fig 11.26 Users page which displays a list of users in the system.

Users

Home / Users

List of all Users

0002

Registration Number	Name	Email	Designation	Salary	Phone	Status	Edit	Deactivate
USR00002	Rahul Brahmbhatt	rahulbrahmbhatt1811@gmail.com	Admin	95000	9033969150	ACTIVE		

1.php

Fig 11.27 Search results with 0002 being searched in users page.

7. Database schema:

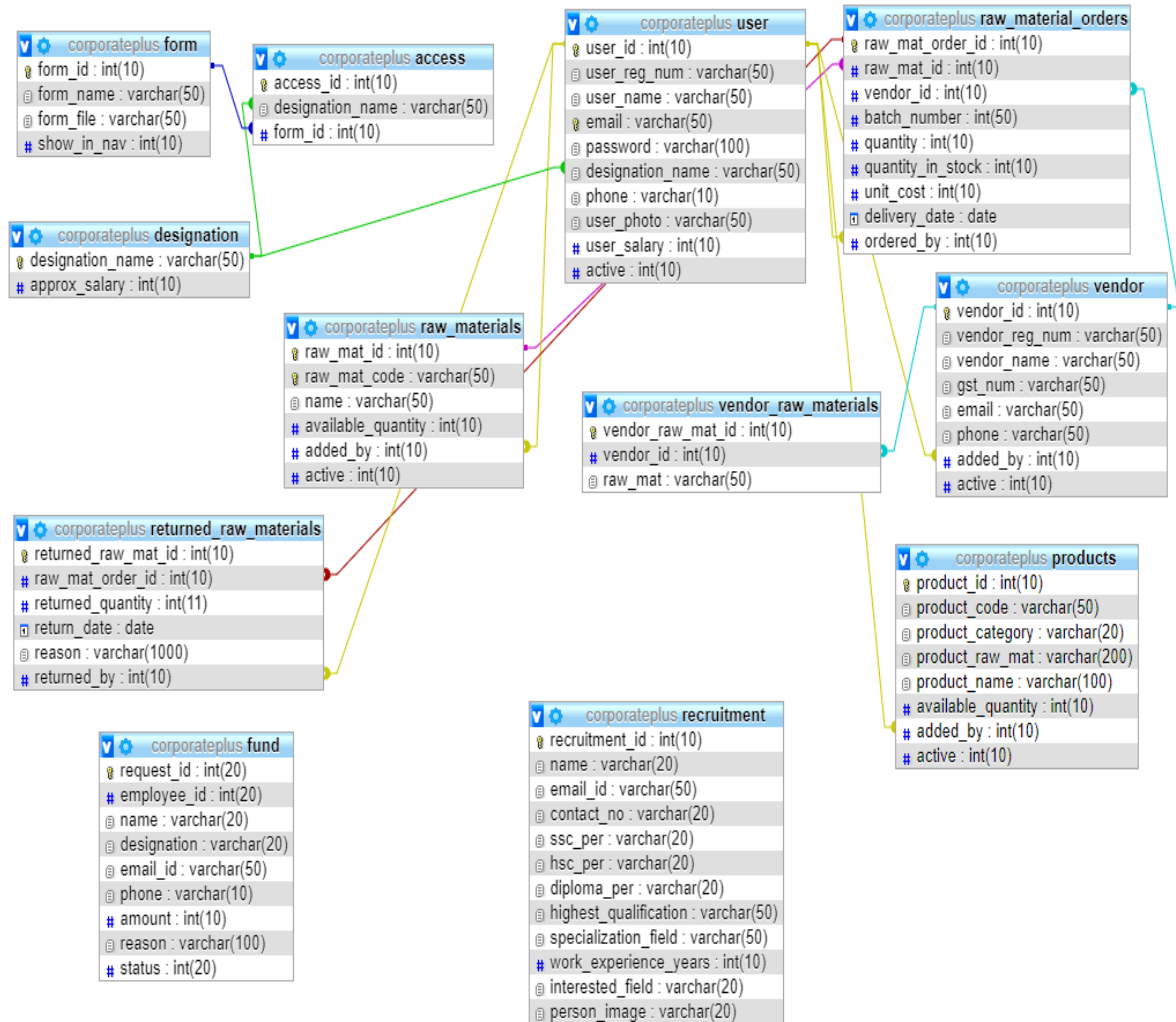


Fig 11.28 Database schema of project till 26/02/2020