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:-

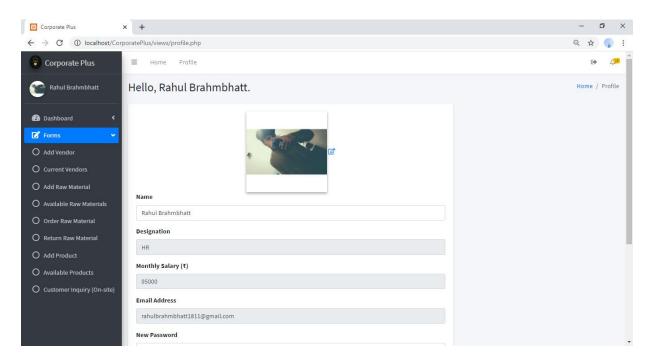Fig 8.1 Admin page

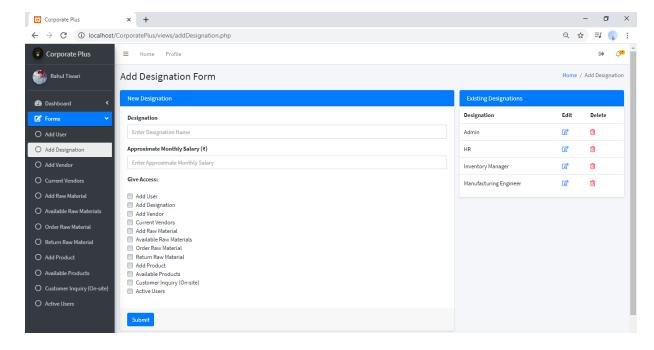Fig 8.2 Inventory Manager Page

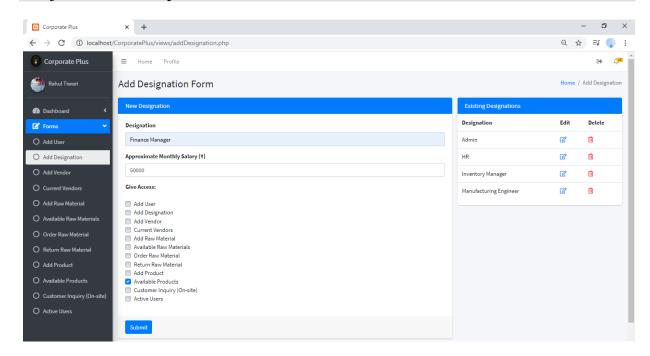Fig 8.3 HR Page

Fig 8.4 Add Designation form

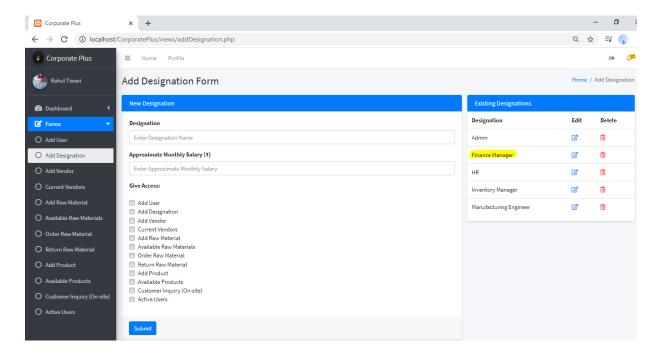Fig 8.5 Adding new Designation (Finance Manager)
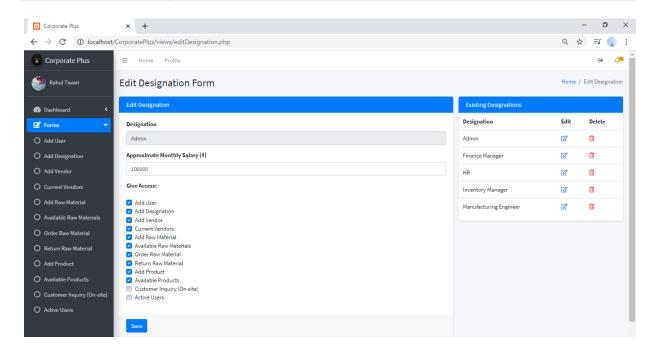

Fig 8.6 New Designation added

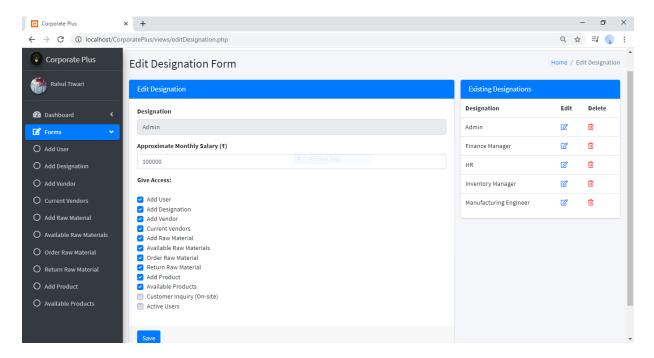Fig 8.7 Editing the access of current user (Admin)
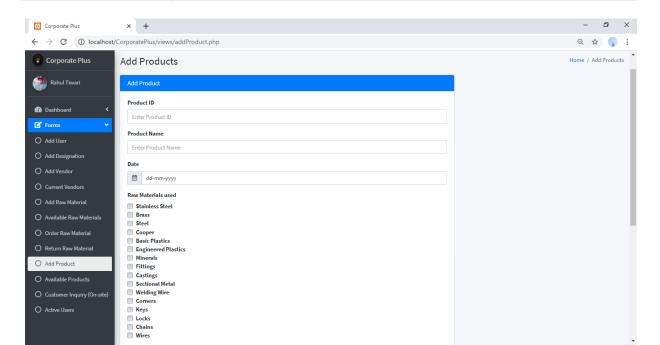

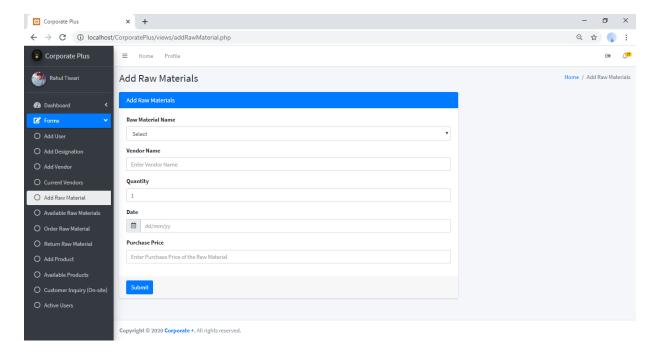Fig 8.8 Updated access of the Admin

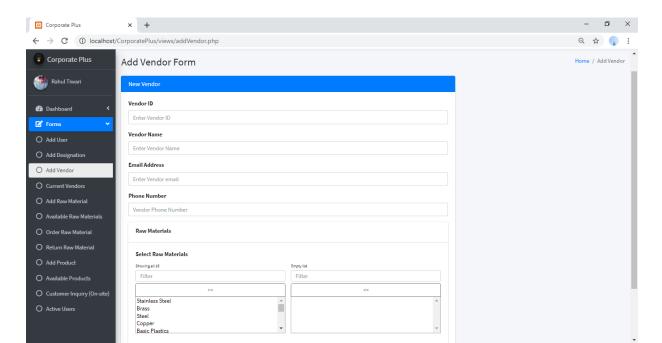Fig 8.9 Add Products page

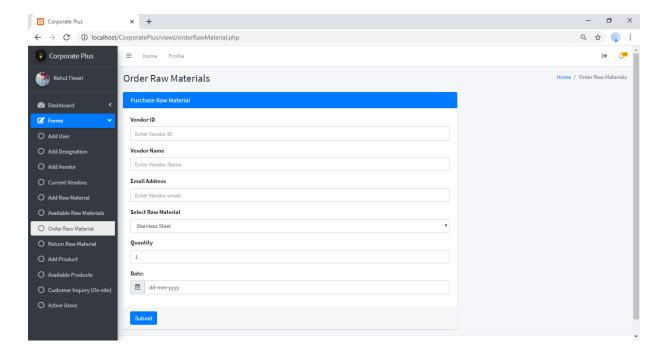Fig 8.10 Add Raw Materials page

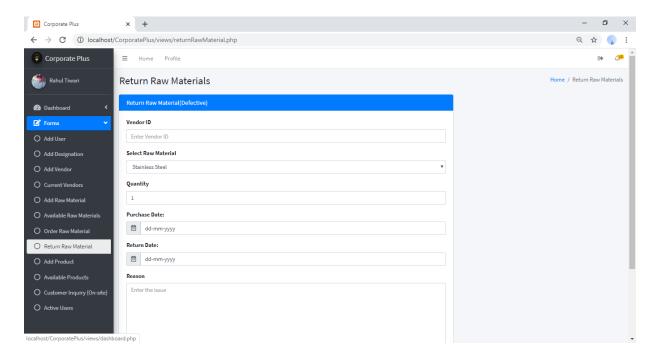Fig 8.11 Add Vendor page

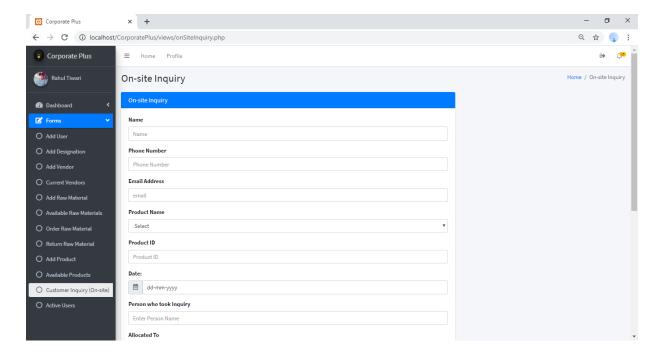Fig 8.12 Order Raw Materials page
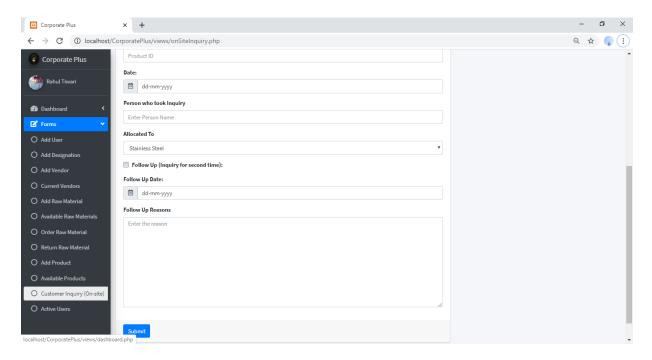
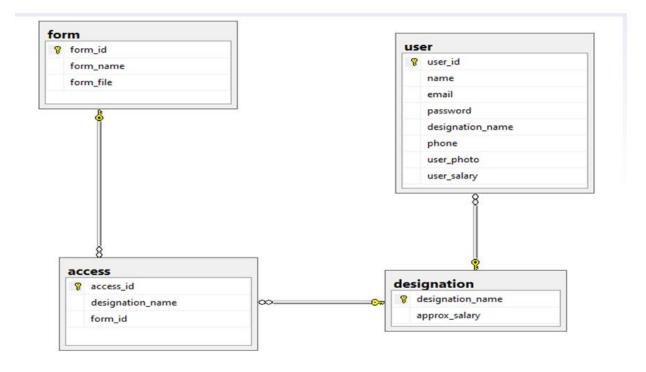Fig 8.13 Return Raw Materials page

Fig 8.14.1 On-site Inquiry

Project ID:- PRJ/2020/IT/40

Project Title: - Corporate Plus

Fig 8.14.2 On-site Inquiry

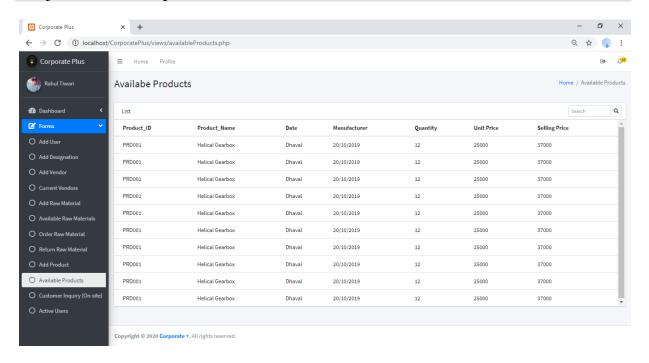Fig 8.15 Database Schema (until now)

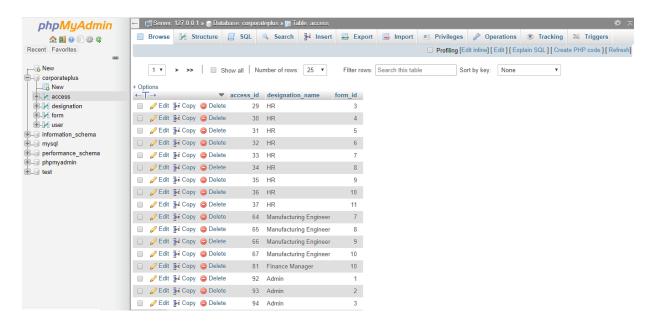Fig 8.16 Project Flow

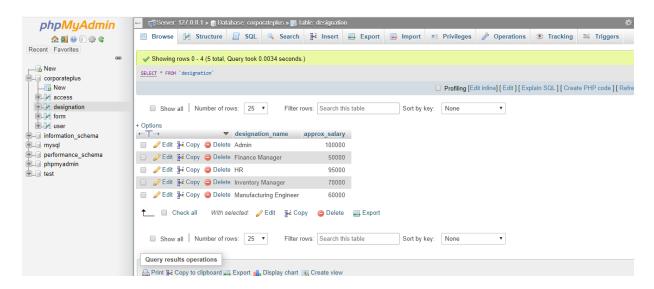Fig 8.17 Available Products

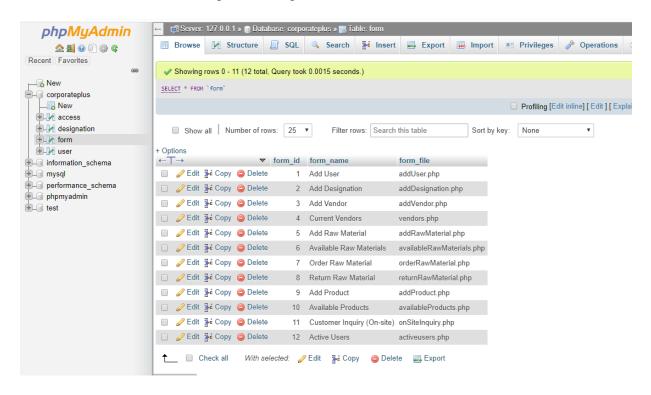Fig 8.18 Access table (Database)
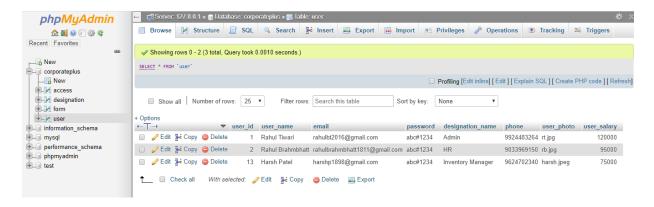
Fig 8.19 Designation table (Database)

Fig 8.20 Form table (Database)

Fig 8.21 User table (Database)