# Project -19

A Construction Warehouse maintains the inventory of items used in construction that are being sold at the shop. The list includes details such as

project\_name [ like Whitewashing, Building Construction], project\_status[ active, finished],

brand\_name[ like Nerolac paints, Ultratech cement, etc], item\_name[ like cement, paint\_bucket, paint\_brush, rope, etc], item\_price, item\_unit, welding\_status[pending/finished], damaged\_status, contractor\_name, constructionsite\_location, request\_count

and stock\_status position.

Whenever the contractor wants any item for the ongoing construction at the site, the warehouse admin person inputs the item\_name and brand and the system searchs the list and displays whether it is available or not. If it is not, an appropriate message is displayed. If it is, then the system displays the item details and requests for the count required. If the requested count is available, the total cost of the required count is displayed, otherwise the message “Sorry! Not available in stock” is displayed. Design a project in C Language.

Specific task Group Member-1

1. Display all the projects which are in the “active” status for “Building Construction” where constructionsite\_location is either “Gujrat” or “Maharashtra”.
2. Display all the items which are currently unavailable in the stock under the project “Whitewashing” and sorted according to price lowest to highest.
3. Display the names of all the contractors which are handling “active” Whitewashing project and need items like “paint\_brush”, “paint\_bucket”, “rope” and “ladder”.

Specific task Group Member-2

1. Display all the items along with the available brands and units with stock\_availability.
2. Display all the items which come under the category of damaged stock and were returned by the contractor named “Hiralal” working on the construction site “ Ganpat University in Gujrat”.
3. Display all the items which need welding [ welding\_status as pending], and are below price 500.

Specific task Group Member-3

1. Display all the active projects being handled by the contractor named “Mohan” or “Shyamlal” along with items\_name, item\_unit, item\_price and availability in the stock.
2. Display all the items which are currently available in the stock but whose project\_status says “finished”.