

[N.B. Even if you cannot fulfill all the requirements, we still encourage you to submit the assignment. Good Luck!]

System Overview:

Create a minimal store system.

Create three role:

1. Employee
2. Admin
3. Store Executive

The Employee can create requisition.

To summarize, the employee should have the following responsibilities:

- Create requisition.
 - a. Choose multiple item for requisition
 - b. Item wise qty
- See the list of requisition his/her created.
- See the list of requisition Approve or reject

The system has administrator who manages the system. The admin can approved, reject requisition.

To summarize, the admin should have the following responsibilities:

- Add/Remove/Update/ items. (Frontend Optional)
- Add/Remove/Update/ Suppliers.(Frontend Optional)
- See the list of stock.
- Approve or reject the requisition.

The Store Executive can receive this invoice items, Update stock and can issue items of approved requisition.

To summarize, the Store Executive should have the following responsibilities:

- Receive Items though suppliers.
- See the list of Receive Items.
- See the list of Items Stock qty, price.
- Sort the items by lowest/highest price.(Optional)
- Item issue price in FIFO method [like: first received item will be issued first] (**Mandatory**)

The system should also fulfill the following requirements:

- ➔ Item should contain the following fields: Name, Description, status.
- ➔ Supplier should contain the following fields: Name, Phone, Email, Address, status.
- ➔ When an Requisition is create, the admin should be notified. This is up to you how you want to handle the notification.
- ➔ When requisition approve then requisition can't be update or delete.
- ➔ Stock should contain the following fields: item, price, qty.
- ➔ The quantity of stock items should be updated when a received / issued item.
- ➔ When items will be Issued, the price of the items should be fetched according to receive orders.

For example:

If an item is 'X' first receive qty 6 and price 100tk, second receive qty 3 and price 120tk then,

if two requisitions issued against the item 'X' of qty 5 and 4 then first issue will be 5 pcs and total price 500tk. Second issue will be 4 pcs and total price 460tk ($100*1 = 100$ tk from the reaming qty 1 of 6 and $120*3 = 360$ tk from the second receive qty).

Must Have:

- ❖ This assignment should be completed using the Laravel PHP Framework for the backend and VueJS for the frontend.
- ❖ The UI should be pleasing to the eye.
- ❖ The system should be functional with no broken features.
- ❖ The code should be properly formatted.

Nice to Have:

- ❖ Proper use of Object-Oriented Programming.
- ❖ Use design patterns if needed.
- ❖ Write clean code.