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| **ACTIVITIES** | **TASKS** | | | |
| **FRONT END (Screens)** | **MIDDLEWARE** | | **DATABASE** |
| **Login** | Login screen | 1)Login credentials  Validation and verification 2)Required Business logic | Connection to  the database | Database queries  to select |
| **Administration** | Add User details | 1)Validation and  verification of the  user details 2)Required Business logic | Connection to  the database | Database queries  to insert a user |
| View/ Edit users | 1)Validation and verification  of the requested  user details 2)Required Business logic | Connection to  the database | Database query  to fetch/update the  user record |
| Display user details or Display user details/ details to edit | 1)Required Business logic 2)Return result to the frontend |
| **Data Entry** | Add  Dealers/Products/ Shop details | 1)Validation and verification  of the details 2)Required Business logic | Connection to the  database | Database queries  to insert a  Dealers/Products /Shop details |
| View/Edit  Dealers/Products /Shop details | 1)Validation and verification  of requested  Dealers/Products /Shop details 2)Required Business logic | Connection to  the database | Database query  to fetch/update  corresponding record |
| Display Dealers/Products/Shop details or Display Dealers/Products/Shop details to edit | 1)Required Business logic 2)Return result to the frontend |
| **Goods Receiving** | Generate GRN | 1)Validation and verification of GRN details 2)Business logic to add products to available stocks**(Automation)** | Connection to  the database | Database queries to insert generated GRN and to update the Delivery status |
| View GRN | 1)Validation and verification  of requested GRN details 2)Required Business logic | Connection to the  database | Database queries to fetch GRN |
| Display GRN details | 1)Required Business logic 2)Return result to the frontend |
| **Purchase Order  Management** | Create Purchase order | 1)Validation and verification  of the PO details 2)Required Business logic | Connection to the  database | Database queries  to insert the  PO details |
| View/Edit PO | 1)Validation and verification  of requested  PO details 2)Required Business logic | Connection to the  database | Database queries to fetch/update PO details |
| Display PO details Display PO details to edit | 1)Required Business logic 2)Return result to the frontend |
| PO approval | 1)Validation and verification  of the PO details 2)Business logic to trigger email to Dealers**(Automation)** | Connection to the  database | Database query to update approval status |
| **Billing** | Generate bill | 1)Validation and verification of bill details 2)Business logic to update available stocks**(Automation)** | Connection to the  database | Database query to insert Billing details |
| View Bill | 1)Validation and verification of requested bill details 2)Required Business logic | Connection to the  database | Database query to fetch details |
| Display bill details | 1)Required Business logic 2)Return result to the frontend |
| **Reporting** | Generate report | 1)Validation and verification of requested stock details 2)Required Business logic | Connection to the  database | Database query to fetch requested stock details |
| Display stock report | 1)Required Business logic 2)Return result to the frontend |