**EVENTS**

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| **Events** | **Primary object** | **Collaborator** | **Involved method** |
| Registering different types of user | Registration | Administrator, HRManagementDatabase,  Supplier, Customer, Salesperson, Shareholder | Registration:   * administratorSignUp() * salespersonSignUp() * shareholderSignUp()   HRManagementDatabase:   * addSalespersonInformation() * addShareholderInformation() * addAdministratorInformation() |
| Logging into the system | Authentication | Salesperson, Administrator, Shareholder,  System,  HRManagementDatabase,  RecordManagementDatabase | System:   * SignIn()   Authentication:   * validityCheck() * recordLogInInfromation()   HRmanagementDatabase:   * getSalespersonInformation() * getShareholderInformation() * getAdministratorInformation()   RecordManagementDatabase:   * addLoginAndLogoutTime() |
| Recovering user account | Authentication | HRManagementDatabase,  User | User:   * recoverAccount()   Authentication:   * recoverUserAccount() * checkValidity()   HRManagementDatabase:   * getSalespersonInformation() * getShareholderInformation() * getAdministratorInformation() * updateSalespersonInformation() * updateShareholderInformation() * updateAdministratorInformation() |
| Viewing system summary | Graph | ProductManagementDatabaseSystem  RecordManagementDatabaseCashDetails  Interface | System:   * viewSystemSummary()   CashDetails:   * getAsset() * getProfitAmount()   RecordManagementDatabase:   * getRecordInformation()   TransactionManagementDatabase:   * getAllTransaction()   Interface:   * showGraph() |
| Product Sales | Salesperson | Product RecordManagementDatabaseProductManagementDatabase  TransactionManagementDatabase,  Salesperson  Customer  Notification | ProductManagementDatabase:   * updateProduct() * addProductToLowStorageList() * searchProductByName() * searchProductByCompany() * searchProductByComponent()   Product:   * getProductSellingPrice(), * getProductExpiryDate(), * decreaseQuantity(), * getProductDiscount(), * setProductSalesFrequency() * getProductQuantity() * setProductQuantity() * decreaseQuantity()   TransactionManagementDatabase:   * addTransaction()   Registration:   * addCustomer()   Customer:   * increaseDueAmount() * decreaseDueAmount()   RecordManagementDatabase:   * addLoan() |
| Adding non-functional user | Salesperson, Admin | Registration  HRManagementDatabase | Registration:   * addSupplier() * addCustomer()   HRManagementDatabase:   * addSalespersonInformation() * addSupplierInformation() |
| Logging out of the system | Authentication | User RecordManagementDatabase | User:   * signOut()   Authentication:   * checkActiveProcess() * recordLogInformation()   Record ManagementDatabase:   * addLoginAndLogoutTime() * editLoginAndLogoutTime() |
| Loading stock | Salesperson | Product  ProductManagementDatabase | Product:   * increaseQuantity()   ProductManagementDatabase:   * updateProduct() * addProduct() |
| Maintenance expenditures | Administrator | TransactionManagementDatabase | TransactionManagementDatabase   * addMaintenanceExpenditureTransaction() * addSalespersonSalaryTransaction()   Administrator   * payMaintenanceExpenditure()   Salesperson:   * getMonthlyPaymnent() |
| Cash management | Administrator | TransactionManagementDatabase  CashDetails  RecordManagementDatabase | Administrator:   * payMaintenanceExpenditure()   TransactionManagementDatabase:   * addTransaction() * deleteTransaction() * addMaintenanceExpenditureTransaction()   RecordManagementDatabase:   * addLoan() * editLoan() * removeLoan() |
| Notification | Notification | Notification  RecordManagementDatabase | Notification:   * notifyAdministrator() * notifySupplier() * sendLowStockAlert() * sendExpiryDateAndAlert()   RecordManagementDatabase   * addLoan() * addNotification() |
| Low stock and expiry date alert | System | Notification | Notification:   * notifySupplier() * sendLowStockAlert() * sendExpiryDateAndAlert() |
| Seeking permission | Salesperson | Notification, RecordManagementDatabase | Notification:   * notifyAdministrator()   RecordManagementDatabase   * addNotification() |
| Notifying supplier | Salesperson | Notification  System | System:   * checkExpiryDate() * checkLowStorage()   Notification:   * sendLowStockAlert() * sendExpiryDateAndAlert() * notifySupplier() |