**SUPERMARKET SYSTEM - FRONTEND ASPECT**

**DAOs**

* ~~User & Authentication~~
  + ~~UserDAO~~
  + ~~RoleDAO~~
* ~~Branch Management~~
  + ~~BranchDAO~~
  + ~~BranchStatsDAO~~
* ~~Employees~~
  + ~~EmployeeDAO~~
  + ~~EmployeeStatsDAO~~
* ~~Inventory~~
  + ~~ProductDAO~~
  + ~~CategoryDAO~~
  + ~~InventoryDAO~~
  + ~~StockMovementDAO~~
  + ~~InventoryTransactionDAO~~
* ~~Sales~~
  + ~~SaleDAO~~
  + ~~SaleItemDAO~~
  + ~~DiscountDAO~~
  + ~~ReceiptDAO~~
* ~~Suppliers~~
  + ~~SupplierDAO~~
* ~~Customers~~
  + ~~CustomerDAO~~
  + ~~PointSystemDAO~~
* ~~Utility~~
  + ~~DatabaseBackupDAO~~

**BASIC REQUIREMENTS**

* 40 Interfaces
  + ~~Interface 1 - Splash Screen~~
  + ~~Interface 2 - Home~~
  + ~~Interface 3 - Add Supplier~~
  + ~~Interface 4 - Employee Registration~~
  + ~~Interface 5 - Add Product~~
  + ~~Interface 6 - Admin Login~~
  + ~~Interface 7 - Admin Settings~~
  + ~~Interface 8 - Edit Product~~
  + ~~Interface 9 - Edit Supplier~~
  + ~~Interface 10 - Admin Dashboard~~
  + ~~Interface 11 - Supplier Tab~~
  + ~~Interface 12 - Product Tab~~
  + ~~Interface 13 - Employee Tab~~
  + ~~Interface 14 - Company Statistics Tab~~
  + ~~Interface 15 - Reports Tab~~
  + ~~Interface 16 - KPI Report~~
  + ~~Interface 17 - Customer Report~~
  + ~~Interface 18 - Sales Report~~
  + ~~Interface 19 - Income Report~~
  + ~~Interface 20 - Expenses Report~~
  + ~~Interface 21 - Stock Report~~
  + ~~Interface 22 - Supplier Report~~
  + ~~Interface 23 - Staff Salary Report~~
  + Interface 24
  + Interface 25
  + Interface 26
  + Interface 27
  + Interface 28
  + Interface 29
  + Interface 30
  + Interface 31
  + Interface 32
  + Interface 33
  + Interface 34
  + Interface 35
  + Interface 36
  + Interface 37
  + Interface 38
  + Interface 39
  + Interface 40
    - ~~JFrame~~
    - ~~JDialog~~
    - JTabbedPane
    - ~~JPanelForm~~
    - Pop up menu
* 8 reports minimum
* Components
  + ~~JTable~~
  + JDatechooser
  + ~~JComboBox~~
  + JRadioButton
* Database Backups & Restore
* Need barcode reader - rs.7500 - rs.8000
* Exe / Setup
* ~~Loggers~~
* JUnit
* ~~ER Diagram~~
* ~~Design Document~~
* Project Document
* ~~SRS Document~~
  + ~~UML Class Diagram~~
  + ~~Use case diagram~~
  + ~~Sequence Diagram~~
  + ~~Activity Diagram~~

**SYSTEM COMPONENTS -**

* **Home**
  + Controles
  + Navigation to other areas
  + if(Employee Logged in)

{ Show Shift start / Shift end / Employee Name / ID / }

* + if(Manager Logged in)

{ Quick Access to high level data / Stocks Alerts / }

* **Admin Component - 7/8 - 87.5%**
  + ~~Admin Login~~
    - ~~Admin ID~~
    - ~~Admin Password~~
  + ~~Add Employee~~
    - ~~Employee ID~~
    - ~~First Name~~
    - ~~Last Name~~
    - ~~Email~~
    - ~~Phone Number~~
    - ~~Second Phone Number~~
    - ~~Hire date~~
    - ~~Employee Image~~
    - ~~Role~~
    - ~~Branch~~
    - ~~Address 1~~
    - ~~Address 2~~
  + ~~Add Supplier~~
    - ~~Supplier ID~~
    - ~~Supplier Name~~
    - ~~Supplier Phone Number~~
    - ~~Email~~
    - ~~Address 1~~
    - ~~Address 2~~
    - ~~Branch~~
  + ~~Edit Supplier~~
    - ~~Supplier Name~~
    - ~~Supplier Phone Number~~
    - ~~Email~~
    - ~~Address 1~~
    - ~~Address 2~~
    - ~~Branch~~
  + ~~Add Product~~
    - ~~Product ID~~
    - ~~Product name~~
    - ~~Category~~
    - ~~Supplier~~
    - ~~Brand~~
    - ~~Unit Price~~
    - ~~Stock quantity~~
  + ~~Edit Product~~
    - ~~Product ID~~
    - ~~Product Name~~
    - ~~Category~~
    - ~~Brand~~
    - ~~Supplier~~
    - ~~Unit Price~~
    - ~~Stock Quantity~~
  + Dashboard
    - Load DB Information
    - Supplier Information Section
    - Product Information Section
    - Employee Information Section
    - Company Statistics section
    - Report tab to export all reports
      * KPI Report
      * Customer Report
      * Sales Report
      * Income Report
      * Expenses Report
      * Stock Report
      * Supplier Report
      * Staff Salary Report
  + ~~Admin Settings~~
    - ~~Edit Admin Name~~
    - ~~Edit Admin Email~~
    - ~~Edit Admin Password~~
* **Cashier Component - 0/7**
  + Cashier login
    - Cashier ID
    - Cashier Password
  + Cashier Dashboard
    - Relevant information
    - Petty cash entry
  + Inventory Management
    - View today’s invoices
    - Reprint Invoice
  + Point of Sale
    - Scan/Search Product
    - Product Info Display (Name, Price, Stock, etc.)
    - Add to Cart
    - View Cart
    - Apply Discount (if allowed)
    - Select Payment Method (Cash / Card / QR)
    - Enter Amount Received
    - Calculate Balance
    - Finalize Sale (Print/Save Invoice)
  + Customer Handling
    - Search Existing customer
    - View past purchases
  + Stock Lookup (Read only)
    - Search Product
    - View Product Info (JTable)
  + Cashier Settings
    - Update Profile
    - Change Password

**OTHER ROLES TO ADD THAT REQUIRE VALIDATION FROM TEAM**

**Payroll Officer**

**Branch Manager**

**Auditor**

**Inventory Manager**