**✅ Key Features**

**1. User Authentication**

* Admin and Staff login
* Role-based access control
* Password recovery

**2. Dashboard**

* Overview of daily/weekly sales
* Low stock alerts
* Top selling items
* Recent orders

**3. Product Management**

* Add/Edit/Delete coffee products
* Manage categories (e.g., Espresso, Latte, Cold Brews)
* Set prices, descriptions, and images
* Coffee menu configuration
* Product categories (Hot, Cold, Food, etc.)
* Customizable drink options (size, add-ons)
* Seasonal/special items
* Recipe management (ingredients per product)

**4. Inventory Management**

* Track stock levels for each product
* Automatic deduction on sales
* Alerts for low inventory
* Supplier management
* Coffee bean stock tracking
* Ingredient management (milk, syrups, etc.)
* Supplier information
* Low stock alerts
* Purchase order generation
* Expiry date tracking

**5. Sales and POS (Point of Sale)**

* Add new customer orders
* Multiple payment methods (Cash, Card, etc.)
* Print receipts
* Apply discounts or coupons
* Manage dine-in, take-away, and delivery
* Point of Sale (POS) interface
* Order customization
* Table management for dine-in
* Takeaway/delivery options
* Discount and promotion application
* Receipt generation

**6. Order Management**

* View, update, or cancel orders
* Track order status (Pending, Preparing, Served, Delivered)

**7. Customer Management**

* Store customer information
* View order history
* Loyalty points or reward system (optional)
* Customer database
* Loyalty program integration
* Order history
* Feedback collection
* Birthday specials

**8. Employee Management**

* Add staff profiles
* Assign roles (Cashier, Barista, Manager)
* Track attendance or shifts (optional)
* Shift scheduling
* Performance tracking
* Commission calculation (if applicable)
* Leave management

**9. Reports & Analytics**

* Sales reports (daily, weekly, monthly)
* Profit/loss reports
* Export data to Excel or PDF
* Daily sales reports
* Inventory reports
* Best-selling items
* Revenue trends
* Customer analytics
* Export to Excel/PDF

**10. Settings**

* Manage business profile
* Tax rates, currency, and time zone
* Customize receipt layout
* Shop information setup
* Tax configuration
* Payment methods
* Printer settings
* Backup and restore

**3. Database**

Tables like:

* users
* products
* categories
* inventory
* orders
* order\_items
* customers
* employees
* reports

### Database Structure (MySQL)

* Users table
* Products table
* Categories table
* Ingredients table
* Inventory table
* Orders table
* Order\_items table
* Customers table
* Suppliers table
* Transactions table

**🚀 Bonus Features (Optional)**

* QR code for table ordering
* Online ordering system
* Mobile-friendly version
* SMS/email notifications
* Multi-branch management

/coffee-management-system

│

├── /assets

│ ├── /css (Bootstrap, custom styles)

│ ├── /js (jQuery, custom scripts)

│ ├── /images (product images, logos)

│ └── /fonts (icon fonts)

│

├── /config

│ ├── database.php (DB connection)

│ └── constants.php (system constants)

│

├── /controllers

│ ├── AuthController.php

│ ├── ProductController.php

│ ├── OrderController.php

│ └── ... (other controllers)

│

├── /models

│ ├── User.php

│ ├── Product.php

│ ├── Order.php

│ └── ... (other models)

│

├── /views

│ ├── /auth (login, register pages)

│ ├── /products

│ ├── /orders

│ └── ... (other view directories)

│

├── /includes

│ ├── header.php

│ ├── footer.php

│ ├── sidebar.php

│ └── ... (reusable components)

│

├── /lib (third-party libraries)

├── /uploads (receipts, exported files)

├── index.php (main entry point)

└── .htaccess (URL routing, security)