

Inventra: Acceptance Criteria

UI Prototype

- Must include at least **6 major screens**:
 1. Login/Authentication
 2. Dashboard (inventory overview, notifications)
 3. Inventory Management (add/update products, stock levels)
 4. Forecasting (AI-driven demand charts/tables, **for Admin & SuperAdmin only**)
 5. Reports (sales, inventory, forecasts – exportable, **for Admin & SuperAdmin only**)
 6. Settings/User Management (**for Admin & SuperAdmin**)
- **Navigation flow by role:**
 - **Staff:** Login → Dashboard → Inventory.
 - **Admin:** Login → Dashboard → Inventory → Forecasting → Reports → Settings/User Management.
 - **SuperAdmin:** Login → Dashboard → Inventory → Forecasting → Reports → Settings/User Management (+ Manage Users, Audit Logs, Recently Deleted, Security Policies).
- **Authentication:**
 - **Staff/Admin:** login via email + password, optional 2FA (email, SMS, or authenticator)
 - **SuperAdmin:** login via username OR email + password, mandatory 2FA
- **Validation rules:**
 - Staff/Admin passwords must have a minimum of 8 chars, 1 uppercase, 1 number, 1 special character.
 - SuperAdmin passwords must have a minimum of 12 chars, must include uppercase, lowercase, number, special character.
 - Emails must follow valid format (placeholder@domain.com).
 - Forms (inventory, sales, reports) must enforce valid input types and formats.
- **SuperAdmin role:**
 - Manage/delete/restore users.
 - View password change history & audit logs.
 - Enforce system-wide security rules.
 - Must align with Café Pèdro's branding (consistent fonts, colors, and layout).
 - All forms, buttons, and navigation links must be clearly labeled and functional in the prototype.
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Entity-Relationship Diagram

- The ERD must include all required entities: **Users, Products, Suppliers, Inventory, Sales, Forecasts, Reports, Backups**.
- All relationships must be **clearly defined** and normalized to **at least 3NF**.
- Every entity must have a **Primary Key**; all links must use correct **Foreign Keys**.
- The ERD must fully support **inventory management, demand forecasting, and reporting functions**.
- The ERD must remain **scalable** for future enhancements (e.g., adding purchase orders, audit logs).