Overview

This flow diagram details the end-to-end user journey in the Medical Equipment Quoting System (MEQS). Every visitor starts at the public **Homepage**, then authenticates. Once credentials are validated, MEQS routes the user into one of two role-specific dashboards—**Sales Representative** or **Procurement Officer**—each offering its own set of screens, decision points, and sign-out paths.
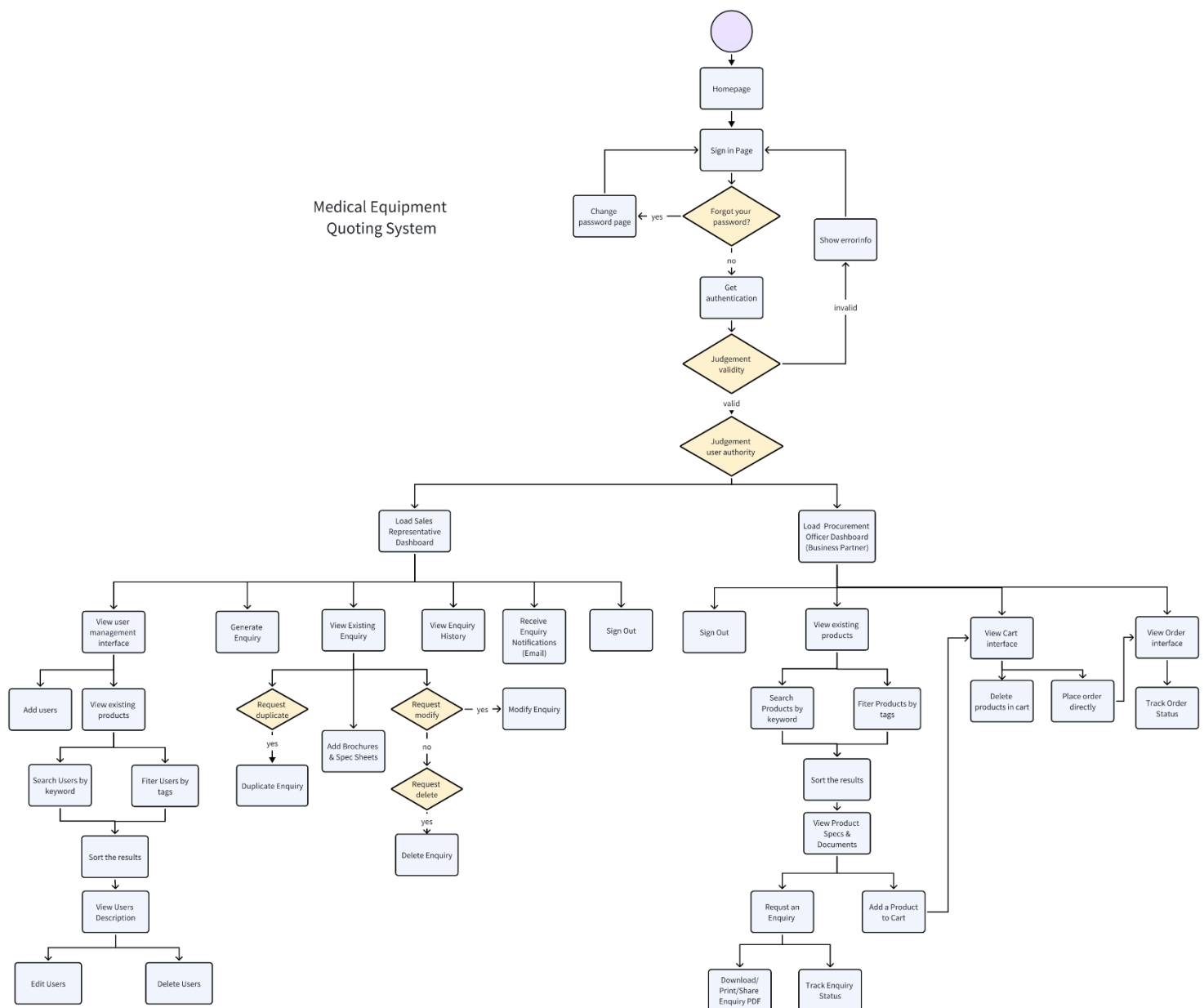

Figure: The Flow chart of Medical Equipment Quoting System

1. Entry & Authentication

1.1 Homepage → Sign-in Page

- The user clicks "Sign In" on the landing page and is taken to the authentication screen.

1.2 Forgot Your Password?

- Yes → User is sent to the Change Password page, then returned to Sign-in.

- No → System proceeds to credential check.

1.3 Validate Credentials

- Invalid → Show error information, then return to Sign-in Page.

- Valid → Proceed to Determine User Authority.

2. Role Determination

Once credentials pass validation, MEQS inspects the user's role:

- If Sales Representative → Load Sales Representative Dashboard

- If Procurement Officer → Load Procurement Officer Dashboard

3. Sales Representative Workflow

After Load Sales Representative Dashboard, the user may:

3.1 View User Management Interface

- Add Users

- View Existing Products

  - Search users by keyword

  - Filter users by tags

  - Sort results

  - View user details

    - Edit users

    - Delete users

3.2 Generate Enquiry

- Kick off a new equipment quote.

3.3 View Existing Enquiry

- Request Duplicate?

  - o Yes → Duplicate Enquiry

  - o No →

    - ▪ Request Modify?

      - ▪ Yes → Modify Enquiry

      - ▪ No →

        - ▪ Request Delete?

          - ▪ Yes → Delete Enquiry

3.4 Add Brochures & Spec Sheets

- Attach or update supporting documentation.

3.5 View Enquiry History

- See timeline of all revisions for a given quote.

3.6 Receive Enquiry Notifications (Email)

- Automatic email alerts on any status change.

3.7 Sign Out

- End session and return to Homepage.

4. Procurement Officer Workflow

After Load Procurement Officer Dashboard, the user may:

4.1 View Existing Products

- Search products by keyword

- Filter products by tags

- Sort results

- View product specs & documents

- **Request an Enquiry** (submit selected items to sales team)

    - Download/Print/Share Enquiry PDF

    - Track Enquiry Status

  - **Add a Product to Cart** → go to **View Cart Interface**

4.2 View Cart Interface

- Delete products in cart

- Place order directly

4.3 View Order Interface

- Track Order Status

4.4 Sign Out

- End session and return to Homepage.