**Modular Codebase for Each Functional Area**

**Structure (Monorepo or Polyrepo):**

/ihoms-app/

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├── /frontend/ → React/Angular/Vue UI

│ ├── /components/ → UI shared components

│ ├── /screens/ → Case intake, inventory, reports

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├── /backend/ → Express/Django/FastAPI services

│ ├── /case\_mgmt/ → Endpoints and logic

│ ├── /logistics/ → Inventory & shipment APIs

│ ├── /reporting/ → Dashboard data & exports

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├── /mobile/ → Flutter or React Native app

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├── /scripts/ → Devops and automation tools

**Coding Standards:**

* Follow SOLID principles and DRY
* Centralized error handling middleware
* Environment-based config management