



- **Secure Headers:** HTTP Headers

---

## ## (Key Features)

| |

| :-- | :-- |

| **Inventory** | Real-time, Durable/Consumable, Low Stock Alert |

| **Requisition** | (Shopping Cart Experience), Workflow |

| **User Mgmt** | , (Department), (Active/Inactive) |

| **Maintenance** | , , |

| **Scanner** | QR Code/Barcode Web Cam |

| **Analytics** | Dashboard , , Export CSV/PDF |

---

## ## (Tech Stack)

Enterprise Grade:

- **Frontend Core:** [Next.js 15 (App Router)](<https://nextjs.org/>) - Framework

- **Language:** [TypeScript](<https://www.typescriptlang.org/>) -

- **UI Framework:** [Tailwind CSS](<https://tailwindcss.com/>) + [Shadcn UI](<https://ui.shadcn.com/>) - Responsive

- **Database ORM:** [Prisma](<https://www.prisma.io/>) -

- **Database:** SQLite (Development) / PostgreSQL (Production Support)

- **Container:** Docker & Docker Compose

---

## ## (Documentation)

:  
:

- **[User Guide ( )](docs/USER\_GUIDE\_TH.md)**:  
- ,

- **[Admin Guide ( )](docs/ADMIN\_GUIDE\_TH.md)**:  
, , User

- **■\*\*[Technical Guide (■■■■■■■■■■■■■■■■■■■■)](docs/TECHNICAL\_GUIDE\_TH.md)\*\*:**  
Architecture, Database Schema, Deploy

```
- ■ **[Documentation Index (■■■■■■■■■■)](docs/README_DOCS.md)**
```

...

**## ■■■■■■■■■■■■■■■■■■■■■■ (Installation)**

### ■■■■■■■■■■■■■■■■■■■■■■ (Prerequisites)

- Node.js v18+

- Git

### ■■■■■■■■■■■■■■■■■■■■ (Development)

## 1. **\*\*Clone Repository\*\***

```
```bash
```

```
git clone https://github.com/your-org/hr-ims.git
```

cd hr-ims

...

## 2. **Dependencies**

```
```bash
```

```
cd frontend/next-app
```

```
npm install
```

...

### 3. **Environment Variables**

[illegible]

```
```env
```

DATABASE\_URL="file:./dev.db"

AUTH\_SECRET="your-secure-secret"

...

**4. \*\*■■■■■■■■■■■■■\*\***

```
```bash
```

```
npx prisma generate
```

```
npx prisma db push
```

...

5. **\*\*■■■■■■■■ (Start System)\*\***

```
- **Backend:** ██████████ `start backend.bat`
```

```
- **Frontend:** ██████████ `start frontend.bat`
```

```
- ■■■■■■■■■■■■■■■■■■■■ `http://localhost:3000`
```

\*\*\*

**\*\*HR-IMS Project\*\* • \*Excellence in Resource Management\***