

# FreshMart Analytics - Quick Setup Guide

## For Your Team's Private Use

### What You Have

- ✓ **Complete Full-Stack Application** - React Frontend with professional dashboards - Flask Backend API with secure authentication - SQLite Database with comprehensive schema - Role-based access control (Admin/Staff)
- ✓ **Core Features Implemented** - Sales Analytics Dashboard with export capabilities - Staff Performance tracking and leaderboards - Profitability Analysis with insights - Admin Panel for data uploads and management - Flexible data processing (handles various file formats)

### Quick Start (5 Minutes)

#### 1. Start the Backend

```
cd restaurant_management_api
source venv/bin/activate
python src/main.py
```

Backend will run on: `http://localhost:5000`

#### 2. Start the Frontend

```
cd restaurant_management_frontend
npm run dev
```

Frontend will run on: `http://localhost:5173`

#### 3. Login

- **URL:** `http://localhost:5173`
- **Username:** admin
- **Password:** admin123

## Team Access Setup

### Option 1: Local Network (Recommended)

1. Find your computer's IP address (e.g., 192.168.1.100)
2. Update frontend to connect to your IP
3. Team members access via: `http://YOUR_IP:5173`

### Option 2: Cloud Deployment






1. Deploy to your preferred cloud provider
2. Set up SSL certificate for security
3. Configure domain name for easy access

## Data Upload Process

### Monthly Workflow

1. **Login** as admin
2. **Upload Files:**
3. Sales report (CSV/Excel)
4. Inventory file (Excel)
5. Chef mapping (Excel)
6. Expenses file (Excel)
7. **Review** uncategorized items
8. **Process** data to update all dashboards
9. **Export** reports for management

### File Format Flexibility

-  Different column names (auto-detected)
-  Extra columns (ignored)
-  Various date formats
-  CSV and Excel files
-  Missing data handling

## User Management

### Admin Users Can:






- Upload and process data files
- Manage user accounts and roles
- Access all dashboards and reports

- Configure system settings
- Export all data

### Staff Users Can:

- View sales analytics
- See their own performance metrics
- Access basic reporting
- No administrative functions

### Security Features

-  Secure authentication system
-  Role-based access control
-  Data validation and sanitization
-  Local data storage (no external sharing)
-  Session management

### Support & Maintenance

#### Regular Tasks

- Upload monthly data files
- Review and categorize new items
- Backup database regularly
- Monitor system performance

#### Troubleshooting

- **Upload issues:** Check file format and columns
- **Missing data:** Use manual categorization tools
- **Access problems:** Verify user roles
- **Performance:** Clear browser cache

### Next Steps

1. **Test with sample data** (provided files)
2. **Add your team members** as users
3. **Customize categories** for your business
4. **Set up regular backup** schedule
5. **Train team** on dashboard usage

## Files Included

- `/restaurant_management_api/` - Backend application
- `/restaurant_management_frontend/` - Frontend application
- `/upload/` - Sample data files for testing
- `FreshMart_Analytics_Documentation.pdf` - Complete documentation

## Contact

For technical support or customization requests, contact your development team.

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**Quick Setup Guide v1.0 | FreshMart Analytics System**