

User Manual
of
Smart Price Management System

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1. Introduction

1.1 About Smart Price Management System

The Smart Price Management System is a comprehensive platform designed to monitor, track, and manage the prices of essential commodities across different regions in Bangladesh. The system aims to bring transparency to pricing information, enabling consumers to make informed purchasing decisions and authorities to implement effective price control measures.

1.2 Purpose of this Manual

This user manual provides detailed instructions on how to use the Smart Price Management System. It covers all features and functionalities available to different user types, including consumers, vendors, local administrators, district administrators, and super administrators.

1.3 System Requirements

To access the Smart Price Management System, you need:

1. Web Browser: Chrome, Firefox, Safari, or Edge.
2. Internet Connection: Minimum 1 Mbps connection speed.
3. Device: Desktop, laptop, tablet, or smartphone.
4. Screen Resolution: Minimum 320px width (responsive design).

2. Getting Started

2.1 Accessing the System

The Smart Price Management System can be accessed through your web browser at: (<http://localhost:4200/smartprice> management system)

2.2 Creating a New Account

to create a new account:

- Click on the "Register" button in the top-right corner of the homepage
- Fill in the required information:
 1. First Name
 2. Last Name
 3. Username
 4. Phone Number (11 digits)

5. NID Number (10-17 digits)
 6. Father's Name
 7. User Type (select from dropdown)
 8. Location (select from dropdown)
 9. Password (minimum 6 characters)
 10. Confirm Password
- 3. Take a profile photo using your device's camera or upload an existing photo
 - Click the "Sign Up" button
 - You will be redirected to the login page with a success message

Home About Us Contact Login/Registration

khuln search product

Create New Account

[Learn More](#)

FIRST NAME enter first name

LAST NAME enter last name

USERNAME enter username

PHONE NUMBER enter phone number

NID NUMBER enter NID number

FATHER'S NAME enter fathers name

Figure 1: Register page

2.3 Logging In

To log in to your account:

- Click on the "Login" button in the top-right corner of the homepage
- Enter your username or NID number
- Enter your password
- Click the "Login" button
- Upon successful login, you will be redirected to your dashboard

The screenshot shows the login page of the Smart Price Management System. The header is dark blue with links for Home, About Us, and Contact on the left, and Login/Registration on the right. Below the header is a navigation bar with a dropdown menu labeled 'khuln' and a search bar labeled 'search product'. The main content area is a white card titled 'Sign in to continue' with a 'Learn More' link. It contains two input fields: 'USERNAME OR NID NUMBER' with placeholder text 'username or NID number' and 'PASSWORD' with placeholder text '*****'. Below these fields is a blue 'Login' button. Under the button is a link for 'Forgot The Password'. At the bottom of the card is a link for 'New Account? Sign Up'.

Figure 2: Log in page

2.4 Forgot Password

If you forget your password:

- Click on the "Forgot The Password" link on the login page
- Enter your mobile number
- Click "Send OTP"
- You will receive a 5-digit OTP on your registered phone number
- Enter the OTP in the verification screen
- Create a new password and confirm it
- Click "Reset" to save your new password

The screenshot shows the 'Forgot The Password' page. The header is dark blue with links for Home, About Us, and Contact on the left, and Login/Registration on the right. Below the header is a navigation bar with a dropdown menu labeled 'khuln' and a search bar labeled 'search product'. The main content area is a white card titled 'Forgot The Password' with a 'Learn More' link. It contains one input field labeled 'NID NUMBER' with placeholder text 'enter NID number'. Below this field is a blue 'Send OTP' button. Under the button is a link for 'Remember your password? Login'.

Figure 3: forget password page

2.5 Logging Out

To log out of your account:

- Click on your profile name in the top-right corner
- Select "Logout" from the dropdown menu
- You will be redirected to the homepage

3. User Interface Overview

3.1 Homepage

- The homepage provides access to the main features of the system:
- Navigation Bar: Access to Home, About Us, Products, Contact, and Login/Registration
- Location Dropdown: Select your location to view location-specific prices
- Search Bar: Search for specific products
- Product Display: View products with their current prices

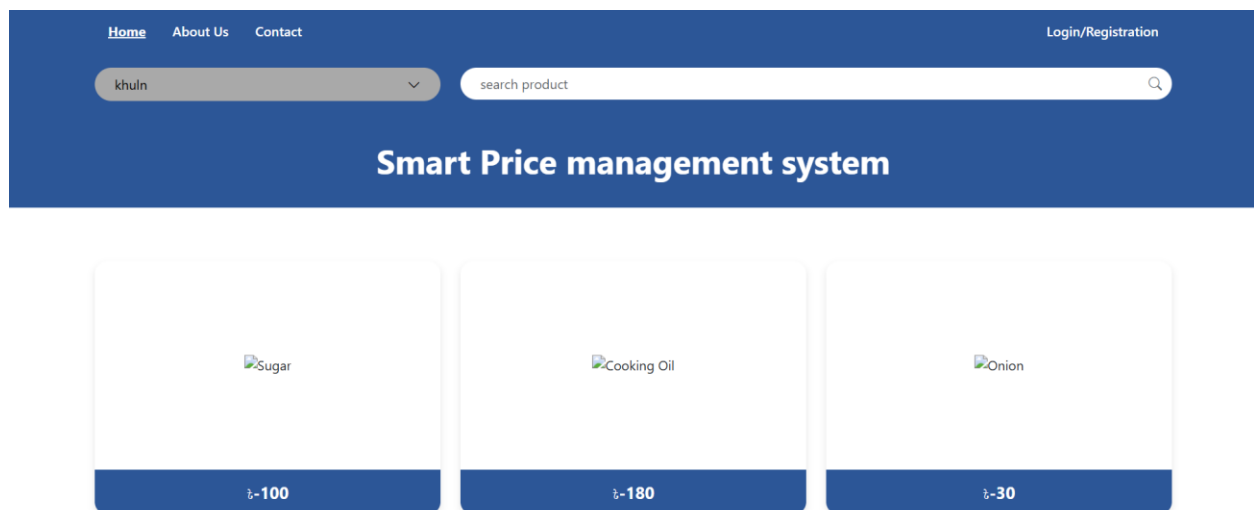


Figure 4: home page

3.2 Navigation

The main navigation menu includes:

- Home: Return to the homepage
- About Us: Information about the Smart Price Management System
- Products: Browse all products

- Contact: Contact information and support
- Login/Registration: Access your account or create a new one
- Dashboard (for logged-in users): Access your user-specific dashboard

3.3 Search Functionality

To search for products:

- Click on the search bar at the top of the page
- Type the name of the product you are looking for
- As you type, matching products will appear in a dropdown
- Click on a product to view its details, or press Enter to see all search results

3.4 Location Selection

To view prices specific to your location:

- Click on the location dropdown in the top section
- Select your district from the list
- The product display will automatically update to show prices for your selected location

4. Consumer Features

4.1 Browsing Products

As a consumer, you can browse products in several ways:

- Homepage: View featured products on the homepage
- Products Page: Click on "Products" in the navigation menu to see all products
- Search: Use the search bar to find specific products
- Location-based: Select your location to see products available in your area

4.2 Viewing Product Details

To view detailed information about a product:

- Click on a product card from any product listing
- The product detail page will show:
 1. Product name and image

2. Current price
3. Price history chart
4. Unit of measurement
5. Product description
6. Availability by location

4.3 Comparing Prices

To compare prices across different locations:

- Navigate to the product details page
- Scroll down to the "Price Comparison" section
- View the table showing prices in different districts
- Use the filter options to narrow down the comparison

4.4 Price History

To view the price history of a product:

- Navigate to the product details page
- The price history chart shows price trends over time
- Use the date range selector to view specific periods
- Hover over data points to see exact prices on specific dates

4.5 Complaints

As a user, you can make a complaint to the authority

- Navigate to the complaint page
- Provide necessary information
- And click on the “submit” button.

Smart price management system

Dashboard

Complaints

Request

Notice

Logout

Home

File Complain

Request for update

Alexander Aronowitz
Administrator

location

Address
village/word ,road no, market name

Shop Name

Product name

System price

Description

Take a Photo

Date Time

Shop id

Claimed Price

Submit

Figure 5: complain page

5. Local Admin

5.1 Local Admin Dashboard

- Log in with your admin account
- You will be automatically directed to the admin dashboard
- The dashboard displays:
 1. System statistics
 3. Recent activities
 5. Product management
 6. Reports and analytics
 7. Pending complaints.

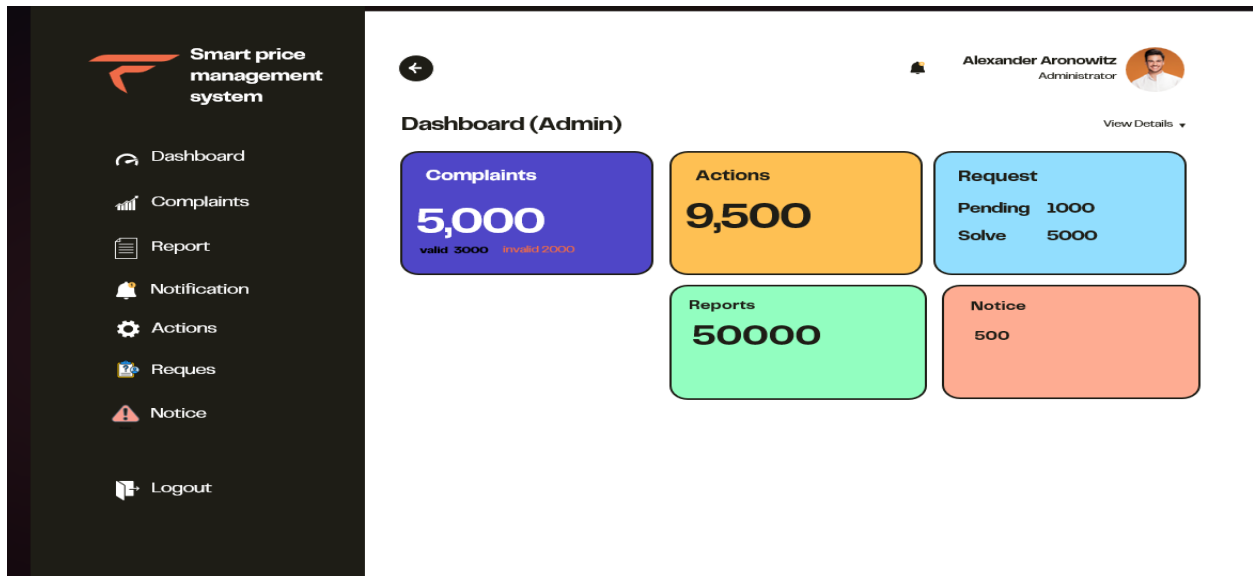


Figure 6: local admin dashboard

5.2 Managing Products

To manage your products as a local admin:

- From your dashboard, click on "Add Products"
- View the list of all your registered products
- To add a new product:
 1. Click "Add New Product"
 2. Fill in the product details (name, description, category, unit)
 3. Upload a product image
 4. Set the initial price
 5. Click "Save Product"
- To edit an existing product:
 1. Click the "Edit" button next to the product
 2. Update the necessary information
 3. Click "Save Changes"

Smart price management system

Dashboard
Complaints
Request
Notice
Logout

Home File Complaint Request for update Alexander Aronowitz Administrator

Add New Product

Address: village/word ,road no, market name

Product name

Weather condition: ☐ Good ☐ Bad

Product price

Description

Transportation cost: ☐ increase ☐ Decrease ☐ As Usual

Date Time

Production cost

Edit

Figure 7: add new product

5.3 Updating Prices

To update the price of a product:

- From your dashboard, click on "Update Price"
- Find the product you want to update
- Click the "Update Price" button
- Enter the new price and effective date
- Provide a reason for the price change (optional)
- Click "Submit for Approval"
- The price update will be reviewed by an administrator before becoming visible to consumers

Smart price management system

Dashboard
Complaints
Request
Notice
Logout

Home File Complaint Request for update Alexander Aronowitz Administrator

Request for update

Address: village/word ,road no, market name

Product name

Weather condition: ☐ Good ☐ Bad

System price

Description

Transportation cost: ☐ increase ☐ Decrease ☐ As Usual

Date Time

Production cost

Claimed Price

Submit

Figure 8: updating price

5.4 Viewing Reports

To access reports as a local admin:

- From your dashboard, click on "Reports"
- Select the type of report you want to view:
 1. Price Trend Report
 2. Comparison with Market Average
- 3. Set the parameters for your report (date range, products, etc.)
- Click "Generate Report"
- View the report online or download it in PDF format

6. Administrator Features

6.1 Administrator Dashboard

As an administrator, your dashboard provides comprehensive system management tools:

- Login with your administrator account
- You will be automatically directed to the admin dashboard
- The dashboard displays:
 1. System statistics
 2. Pending approvals
 3. Recent activities
 4. User management
 5. Product management
 6. Reports and analytics

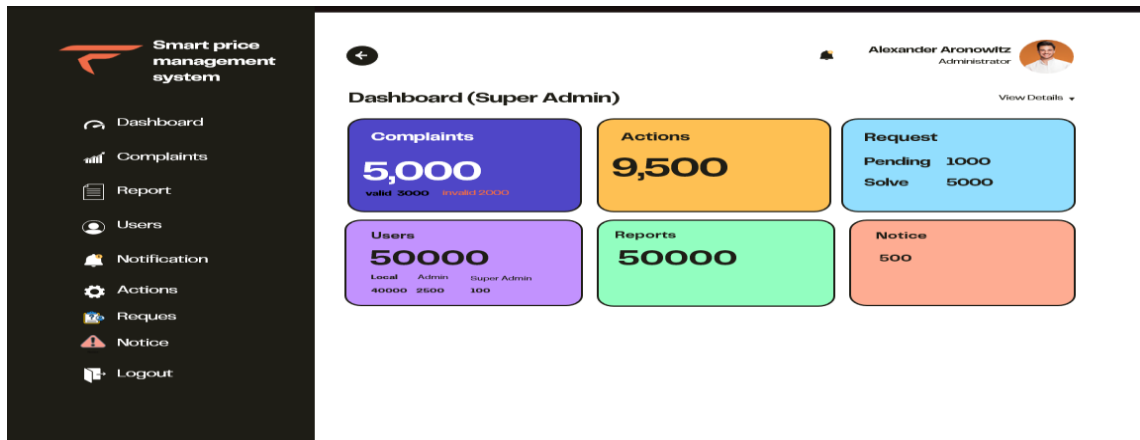


Figure 9: super admin dashboard

6.2 User Management

To manage users as an administrator:

- From your dashboard, click on "User Management"
- View the list of all registered users
- Filter users by type, location, or status
- To view user details, click on the username
- To edit a user:
 1. Click the "Edit" button next to the user
 2. Update the necessary information
 3. Click "Save Changes"

6.3 Product Approval

To approve product additions or price updates:

- From your dashboard, click on "Pending Approvals"
- View the list of pending product additions and price updates
- Click on an item to view details
- Review the information provided
- Click "Approve" or "Reject"
- If rejecting, provide a reason for the local admin
- The local admin will be notified of your decision

6.4 Generating Reports

To generate administrative reports:

- From your dashboard, click on "Reports"
- Select the type of report:
 1. Price Trend Analysis
 2. Regional Comparison
 3. User Activity
 5. System Usage Statistics
- 3. Set the parameters for your report
- Click "Generate Report"
- View the report

6.5 System Configuration

To configure system settings:

- From your dashboard, click on "System Settings"
- Manage the following settings:
 1. User registration options
 2. Approval workflows
 3. Notification settings
 4. Location management
 5. Product categories
 6. System maintenance
- 3. Make the necessary changes
- Click "Save Settings"