Smart Pricing Intelligence Platform - Product Specification

1. Product Overview

The Smart Pricing Intelligence Platform is a web-based application that helps B2B industrial product companies make data-driven pricing decisions. The platform automatically monitors competitor prices, analyzes market demand, and provides AI-powered pricing recommendations through an intuitive dashboard interface.

2. User Roles & Access

2.1 Administrator

* Full system access
* Manages user accounts and permissions
* Configures competitor tracking settings
* Sets up product catalogs and categories
* Defines pricing rules and constraints
* Manages integrations and data sources

2.2 Pricing Manager

* Views all dashboards and reports
* Receives and acts on pricing recommendations
* Configures alert preferences
* Exports data and reports
* Reviews historical pricing trends

2.3 Analyst

* Views dashboards and reports
* Analyzes competitor data
* Reviews demand signals
* Limited export capabilities
* Read-only access to recommendations

2.4 Viewer

* Read-only dashboard access
* Views reports
* No configuration capabilities
* No export capabilities

3. Core User Interfaces

3.1 Login & Authentication

**Login Screen**

* Email and password input fields
* "Remember me" checkbox
* "Forgot password" link
* Company logo display area
* Clean, professional design with brand colors

**Password Recovery**

* Email input for password reset
* Confirmation message after submission
* Email with secure reset link (expires in 24 hours)
* New password creation form with strength indicator

**First-Time Setup**

* Welcome wizard for new accounts
* Company information form
* Initial product catalog upload
* Competitor list setup
* Email notification preferences

3.2 Main Dashboard

**Navigation Sidebar** (Collapsible)

* Dashboard (home icon)
* Competitor Monitoring
* Demand Analysis
* Pricing Recommendations
* Reports
* Alerts
* Settings
* User profile dropdown at bottom

**Top Navigation Bar**

* Company logo (left)
* Global search bar (center)
* Notification bell icon with badge counter
* User avatar with dropdown menu (right)
* Date range selector

**Dashboard Overview (Main Content Area)**

*Key Metrics Cards (Top Row)*

* Total Products Monitored (number with trend arrow)
* Active Competitors (number with trend arrow)
* Pending Recommendations (number with "Review" button)
* Pricing Opportunities (number with alert indicator)

*Price Competitiveness Chart*

* Line graph showing your prices vs. competitor average over time
* Toggle between product categories
* Zoom and pan controls
* Hover tooltips with detailed information
* Legend with color coding for each competitor

*Recent Price Changes Table*

* Columns: Product Name, Your Price, Competitor, Their Price, Change %, Date, Action
* Color coding: green for favorable changes, red for unfavorable
* Sortable columns
* "View Details" link for each row
* Pagination controls

*Market Position Heatmap*

* Visual grid showing price positioning across product categories
* Color intensity indicates competitiveness (green = competitive, red = overpriced)
* Click to drill down into specific categories

*Quick Actions Panel*

* "Upload Competitor Data" button
* "Run Price Analysis" button
* "Generate Report" button
* "Configure Alerts" button

3.3 Competitor Monitoring Interface

**Competitor List View**

* Search bar to filter competitors
* Add New Competitor button (top right)
* Grid/List view toggle

**Competitor Cards/Rows Display**

* Competitor name and logo
* Status indicator (Active/Inactive/Error)
* Number of products tracked
* Last update timestamp
* Average price difference percentage
* Quick action buttons: Edit, View Details, Pause/Resume, Delete

**Add/Edit Competitor Modal**

* Competitor name input
* Logo upload area (drag-and-drop)
* Website URL input
* Product catalog upload (CSV/Excel)
* Price scraping configuration:
  + Manual URL list input
  + Scraping frequency dropdown (hourly, daily, weekly)
  + CSS selector configuration (for advanced users)
* Email notifications toggle
* Save and Cancel buttons

**Competitor Detail View**

* Competitor header with logo and name
* Tabs: Overview, Products, Price History, Settings

*Overview Tab*

* Summary statistics
* Recent price changes timeline
* Price comparison chart (your prices vs. theirs)
* Product category breakdown

*Products Tab*

* Searchable/filterable table
* Columns: Product Name, SKU, Their Price, Your Price, Difference, Last Updated
* Bulk actions: Map to your products, Update prices, Export
* Manual price entry option
* Import prices button (CSV/Excel upload)

*Price History Tab*

* Date range selector
* Product filter dropdown
* Historical price chart
* Export historical data button

*Settings Tab*

* Update competitor information
* Configure scraping rules
* Set price matching rules
* Delete competitor (with confirmation)

3.4 Demand Analysis Interface

**Demand Signals Dashboard**

*Data Source Indicators (Top)*

* Connected sources with status badges (Google Trends, Internal Sales, Market Data APIs)
* "Add Data Source" button
* Last sync timestamp for each source

*Demand Trend Chart*

* Multi-line chart showing demand signals over time
* Toggle between different signal sources
* Product category filter
* Geographic region filter
* Seasonality overlay option

*Product Demand Table*

* Columns: Product Name, Current Demand Score, Trend (7d/30d/90d), Forecast, Recommendation
* Demand score visualization (progress bar or gauge)
* Color-coded trend indicators
* Sortable by any column
* Export to CSV/Excel button

*Market Insights Panel*

* AI-generated insights cards
* "Demand is increasing for Category X by Y%"
* "Seasonal peak expected in Z weeks"
* "Competitor activity detected in Category A"
* Each insight has a "Learn More" link

*Demand Forecast Visualization*

* 90-day forecast chart
* Confidence interval shading
* Historical accuracy indicator
* Product/category selector

**Data Source Configuration**

*Add Data Source Modal*

* Source type dropdown (Google Trends, Sales Data, API Integration, Manual Upload)
* Configuration fields based on source type:
  + API credentials input
  + File upload area
  + Keyword/search term configuration
  + Sync frequency settings
* Test connection button
* Save button

3.5 Pricing Recommendations Interface

**Recommendations Dashboard**

*Filter Panel (Left Sidebar)*

* Status filter (Pending, Accepted, Rejected, All)
* Priority filter (High, Medium, Low)
* Product category multi-select
* Date range picker
* Confidence score slider
* Apply Filters button

*Recommendations List (Main Area)*

* Card-based layout for each recommendation

**Recommendation Card Components**

* Priority badge (color-coded)
* Product name and SKU
* Current price display (large, bold)
* Recommended price display (large, bold, highlighted)
* Expected impact metrics:
  + Revenue impact ($ and %)
  + Margin impact (%)
  + Competitive position change
* Confidence score (percentage with visual indicator)
* Reasoning section (expandable):
  + Competitor pricing analysis
  + Demand signal insights
  + Market trend factors
  + Historical performance data
* Action buttons:
  + Accept (green)
  + Reject (red)
  + Modify (blue)
  + Schedule (calendar icon)
  + View Details (link)
* Timestamp of recommendation generation

**Recommendation Detail Modal**

* Full product information
* Detailed price comparison table with all competitors
* Demand trend chart for this product
* Historical pricing performance
* Detailed ML model explanation:
  + Feature importance chart
  + Contributing factors list
  + Similar historical scenarios
* Price simulation tool:
  + Slider to adjust recommended price
  + Real-time impact calculation updates
  + "What-if" scenario comparison
* Comments section for team collaboration
* Action buttons: Accept, Reject, Modify, Schedule

**Bulk Actions**

* Select multiple recommendations (checkboxes)
* Bulk accept button
* Bulk reject button
* Bulk schedule button
* Export selected button

**Accepted Recommendations View**

* Implementation status tracker
* Scheduled implementation date
* Actual vs. expected performance tracking
* Rollback option (if within configurable timeframe)

3.6 Reports Interface

**Reports Library**

*Pre-built Report Templates*

* Competitive Position Report
* Pricing Performance Report
* Demand Analysis Report
* Recommendation Impact Report
* Market Trends Report
* Custom Report Builder

*Report List View*

* Thumbnail preview of each report
* Report name and description
* Last generated date
* Favorite star icon
* Quick actions: Generate, Schedule, Edit, Delete

**Report Generation Interface**

*Report Configuration Panel*

* Report name input
* Date range selector (preset options + custom)
* Product category multi-select
* Competitor selection (multi-select)
* Metrics to include (checkboxes)
* Chart types selection
* Format selection (PDF, Excel, PowerPoint)
* Generate Now button
* Schedule Report button

**Report Viewer**

* Full-screen report display
* Navigation sidebar (for multi-page reports)
* Zoom controls
* Download button
* Share button (email or link)
* Print button
* Add to Favorites button

**Report Scheduling Modal**

* Frequency dropdown (Daily, Weekly, Monthly, Quarterly)
* Day/time selector
* Recipients email list (multi-input)
* Format selection
* Active/Inactive toggle
* Save Schedule button

**Custom Report Builder**

* Drag-and-drop interface
* Widget library panel:
  + Charts (line, bar, pie, heatmap)
  + Tables
  + Metrics cards
  + Text blocks
  + Images
* Canvas area (grid-based layout)
* Widget configuration panel (right sidebar):
  + Data source selection
  + Metric selection
  + Styling options
  + Filter configuration
* Preview button
* Save as Template button
* Generate Report button

3.7 Alerts & Notifications Interface

**Notifications Panel** (Dropdown from bell icon)

* Unread count badge
* Tabs: All, Unread, Price Alerts, Recommendations, System
* Notification items showing:
  + Icon indicating type
  + Brief message
  + Timestamp
  + Read/Unread indicator
* Mark all as read button
* View all notifications link (goes to full page)

**Notifications Full Page**

* Same tab structure as dropdown
* Expanded notification cards with:
  + Full message
  + Related data/charts
  + Action buttons (View Details, Dismiss, Snooze)
* Pagination
* Bulk actions (Mark as read, Delete)

**Alert Configuration Interface**

*Alert Types List*

* Competitor Price Changes
* Significant Demand Shifts
* Pricing Opportunities
* Recommendation Availability
* System Alerts
* Each with Configure button

**Alert Configuration Modal**

* Alert name
* Trigger conditions:
  + Threshold inputs (percentage, absolute value)
  + Product category selection
  + Competitor selection
  + Frequency limits (don't alert more than X times per day)
* Notification channels (checkboxes):
  + In-app notification
  + Email
  + SMS (if configured)
  + Webhook (for integrations)
* Priority level (High, Medium, Low)
* Active/Inactive toggle
* Recipients list (multi-select from users)
* Test Alert button
* Save button

**Alert History View**

* Searchable/filterable table
* Columns: Alert Type, Message, Triggered Date, Status, Action Taken
* Filter by date range, type, status
* Export to CSV button

3.8 Settings Interface

**Settings Navigation** (Tab-based or sidebar)

* Company Profile
* Product Catalog
* User Management
* Integrations
* Pricing Rules
* Notification Preferences
* API Access
* Billing (if applicable)

**Company Profile Tab**

* Company name input
* Logo upload (drag-and-drop)
* Industry selection dropdown
* Company size dropdown
* Time zone selection
* Currency selection
* Save Changes button

**Product Catalog Tab**

*Product List View*

* Search and filter bar
* Add Product button
* Import Products button (CSV/Excel)
* Export Products button
* Product table:
  + Columns: SKU, Name, Category, Current Price, Cost, Margin, Status
  + Inline editing capability
  + Bulk actions: Edit, Delete, Activate/Deactivate

*Add/Edit Product Modal*

* SKU input
* Product name input
* Description textarea
* Category dropdown (with add new option)
* Current price input
* Cost input (for margin calculation)
* Minimum price input (constraint)
* Maximum price input (constraint)
* Status toggle (Active/Inactive)
* Product image upload
* Custom attributes (key-value pairs)
* Save button

*Import Products Interface*

* File upload area (drag-and-drop)
* Download template link
* Column mapping interface:
  + CSV columns on left
  + System fields on right
  + Drag to map
* Preview table showing first 10 rows
* Validation messages
* Import button

**User Management Tab**

*User List*

* Add User button
* Search bar
* User table:
  + Columns: Name, Email, Role, Status, Last Login, Actions
  + Actions: Edit, Deactivate/Activate, Delete

*Add/Edit User Modal*

* First name input
* Last name input
* Email input
* Role dropdown (Administrator, Pricing Manager, Analyst, Viewer)
* Status toggle (Active/Inactive)
* Send invitation email checkbox
* Save button

**Integrations Tab**

*Available Integrations Grid*

* Integration cards showing:
  + Logo and name
  + Brief description
  + Status (Connected/Not Connected)
  + Configure button

*Integration Configuration Modal* (varies by integration)

* API key/credentials inputs
* Connection settings
* Data sync preferences
* Test Connection button
* Save button

*Connected Integrations List*

* Integration name
* Status indicator
* Last sync timestamp
* Sync frequency
* Actions: Edit, Disconnect, Sync Now

**Pricing Rules Tab**

*Rules List*

* Add Rule button
* Rule cards showing:
  + Rule name
  + Conditions summary
  + Active/Inactive toggle
  + Edit and Delete buttons

*Add/Edit Rule Modal*

* Rule name input
* Rule type dropdown (Minimum Margin, Competitive Position, Price Floor/Ceiling, etc.)
* Condition builder:
  + IF condition dropdowns and inputs
  + THEN action dropdowns and inputs
  + Add condition button (for multiple conditions)
* Apply to products/categories (multi-select)
* Priority input (for rule ordering)
* Active/Inactive toggle
* Save button

**Notification Preferences Tab**

* Email notifications section:
  + Checkboxes for each notification type
  + Frequency dropdown (Real-time, Daily Digest, Weekly Digest)
* In-app notifications section:
  + Checkboxes for each notification type
* SMS notifications section (if enabled):
  + Phone number input
  + Checkboxes for each notification type
* Save Preferences button

**API Access Tab**

* API documentation link
* API key display (with show/hide toggle)
* Regenerate API Key button (with confirmation)
* Webhook URL input
* Webhook secret display
* Test Webhook button
* API usage statistics:
  + Requests this month
  + Rate limit information
  + Usage chart

4. Key User Workflows

4.1 Setting Up Competitor Monitoring

1. User logs in and navigates to Competitor Monitoring
2. Clicks "Add New Competitor" button
3. Fills in competitor information form:
   * Enters competitor name
   * Uploads logo (optional)
   * Enters website URL
4. Uploads competitor product catalog (CSV/Excel) or manually enters products
5. Configures price tracking:
   * Selects scraping frequency
   * Enters specific URLs to monitor (optional)
6. Enables email notifications for price changes
7. Clicks "Save" button
8. System validates information and begins tracking
9. User sees confirmation message and new competitor appears in list
10. User can map competitor products to their own products for accurate comparison

4.2 Reviewing and Acting on Pricing Recommendations

1. User receives notification of new pricing recommendations
2. Clicks notification or navigates to Pricing Recommendations
3. Sees list of recommendations sorted by priority
4. Clicks on a high-priority recommendation card
5. Reviews detailed modal showing:
   * Current vs. recommended price
   * Expected revenue and margin impact
   * Competitor pricing context
   * Demand trend data
   * ML model confidence and reasoning
6. Uses price simulation slider to test different price points
7. Reviews "what-if" scenarios
8. Adds comment for team discussion (optional)
9. Makes decision:
   * Accepts recommendation (price change queued for implementation)
   * Modifies recommendation (adjusts price and saves)
   * Schedules recommendation (selects future implementation date)
   * Rejects recommendation (with optional reason)
10. System confirms action and updates recommendation status
11. If accepted, user can track implementation and performance

4.3 Analyzing Demand Signals

1. User navigates to Demand Analysis
2. Selects date range and product category filters
3. Reviews demand trend chart showing multiple signal sources
4. Identifies products with increasing demand scores
5. Clicks on specific product in demand table
6. Views detailed demand forecast for next 90 days
7. Reads AI-generated market insights
8. Exports demand data for specific products
9. Uses insights to inform pricing decisions or inventory planning
10. Configures alert for significant demand changes in key categories

4.4 Generating and Sharing Reports

1. User navigates to Reports section
2. Selects "Competitive Position Report" template
3. Configures report parameters:
   * Selects last 30 days date range
   * Chooses specific product categories
   * Selects competitors to include
4. Clicks "Generate Report" button
5. System processes data and generates report (progress indicator shown)
6. Report viewer opens with full report displayed
7. User reviews charts and tables
8. Clicks "Download" and selects PDF format
9. Clicks "Share" button
10. Enters email addresses of stakeholders
11. Adds brief message
12. Clicks "Send" button
13. Recipients receive email with report attached
14. User optionally schedules this report to run weekly

4.5 Configuring Alerts

1. User navigates to Settings > Alerts
2. Clicks "Configure" on "Competitor Price Changes" alert
3. Sets trigger conditions:
   * Price change threshold: 5% or more
   * Applies to: All product categories
   * Specific competitors: Top 3 competitors selected
4. Selects notification channels:
   * In-app: Enabled
   * Email: Enabled
   * SMS: Disabled
5. Sets priority to "High"
6. Adds team members as recipients
7. Clicks "Test Alert" to verify configuration
8. Receives test notification
9. Clicks "Save" button
10. Alert is now active and monitoring
11. When conditions are met, user receives real-time notification
12. User can click notification to view details and take action

5. Visual Design Guidelines

5.1 Color Scheme

* **Primary Colors**: Professional blues and grays for main interface
* **Accent Colors**:
  + Green for positive indicators (price advantages, accepted recommendations)
  + Red for alerts and negative indicators (price disadvantages, risks)
  + Yellow/Orange for warnings and medium priority items
  + Blue for informational elements
* **Background**: Light gray or white for main content areas
* **Text**: Dark gray for primary text, medium gray for secondary text

5.2 Typography

* Clear, professional sans-serif fonts
* Hierarchy: Large headings for sections, medium for subsections, regular for body text
* Consistent sizing across similar elements
* Adequate line spacing for readability

5.3 Data Visualization

* Clean, modern chart styles
* Consistent color coding across all visualizations
* Interactive tooltips on hover
* Legends clearly labeled
* Axis labels and gridlines for clarity
* Responsive sizing for different screen sizes

5.4 Layout Principles

* Consistent spacing and padding
* Card-based design for grouping related information
* Generous white space to avoid clutter
* Sticky navigation for easy access
* Responsive design for tablet and desktop (mobile-friendly but optimized for desktop use)
* Maximum content width for readability on large screens

5.5 Interactive Elements

* Clear hover states on all clickable elements
* Loading indicators for async operations
* Smooth transitions and animations (subtle, not distracting)
* Confirmation dialogs for destructive actions
* Toast notifications for success/error messages
* Disabled states clearly indicated

6. Third-Party Technologies & Tools

6.1 Web Scraping & Data Collection

**Bright Data (formerly Luminati)** or **ScraperAPI**

* Purpose: Automated competitor price scraping from websites
* Features needed:
  + Rotating proxy network to avoid blocking
  + JavaScript rendering for dynamic websites
  + CAPTCHA solving capabilities
  + Scheduled scraping jobs
* Integration: API-based, backend service calls scraping endpoints

**Apify**

* Purpose: Pre-built web scraping actors for common e-commerce platforms
* Features needed:
  + Ready-made scrapers for popular B2B platforms
  + Custom scraper development tools
  + Data extraction and transformation
* Integration: API-based, scheduled runs

6.2 Machine Learning & AI

**OpenAI GPT API**

* Purpose: Generate natural language insights and explanations for pricing recommendations
* Features needed:
  + Text generation for market insights
  + Explanation of ML model decisions in plain language
  + Anomaly description generation
* Integration: REST API calls from backend

**TensorFlow.js** or **ONNX Runtime**

* Purpose: Run pricing optimization ML models
* Features needed:
  + Price elasticity modeling
  + Demand forecasting
  + Competitive positioning analysis
* Integration: Model training pipeline (can be Python-based), model inference in Node.js backend

**Google Cloud AI Platform** or **AWS SageMaker**

* Purpose: Model training and hosting for complex ML models
* Features needed:
  + Automated model training pipelines
  + Model versioning
  + Prediction API endpoints
* Integration: REST API for predictions, SDK for model management

6.3 Market Data & Demand Signals

**Google Trends API** (via SerpAPI or similar)

* Purpose: Track search interest and demand signals
* Features needed:
  + Keyword search volume trends
  + Geographic interest data
  + Related queries
* Integration: REST API calls, scheduled data fetching

**Alpha Vantage** or **Quandl**

* Purpose: Economic indicators and market data
* Features needed:
  + Industry-specific indices
  + Commodity prices (for industrial products)
  + Economic indicators
* Integration: REST API calls

6.4 Data Visualization

**Chart.js** or **Recharts**

* Purpose: Interactive charts and graphs
* Features needed:
  + Line, bar, pie, and scatter charts
  + Real-time data updates
  + Responsive design
  + Custom tooltips and legends
* Integration: React component library

**D3.js** (for advanced visualizations)

* Purpose: Custom, complex visualizations like heatmaps
* Features needed:
  + Heatmap generation
  + Custom interactive visualizations
  + Data-driven animations
* Integration: React wrapper components

6.5 Notifications & Communications

**SendGrid** or **Amazon SES**

* Purpose: Transactional and notification emails
* Features needed:
  + Email template management
  + Bulk email sending
  + Delivery tracking
  + Bounce handling
* Integration: REST API or SMTP

**Twilio**

* Purpose: SMS notifications (optional feature)
* Features needed:
  + SMS sending
  + Delivery status tracking
* Integration: REST API

**Pusher** or **Socket.io**

* Purpose: Real-time in-app notifications
* Features needed:
  + WebSocket connections
  + Real-time event broadcasting
  + Presence channels
* Integration: JavaScript SDK for frontend, Node.js SDK for backend

6.6 File Processing

**Papa Parse**

* Purpose: CSV file parsing for product catalog imports
* Features needed:
  + Large file handling
  + Error detection
  + Data transformation
* Integration: JavaScript library

**ExcelJS** or **SheetJS**

* Purpose: Excel file reading and writing
* Features needed:
  + Read .xlsx files for imports
  + Generate .xlsx files for exports
  + Multiple sheet handling
* Integration: Node.js library

6.7 PDF Generation

**PDFKit** or **Puppeteer**

* Purpose: Generate PDF reports
* Features needed:
  + HTML to PDF conversion
  + Chart and image embedding
  + Multi-page documents
  + Custom styling
* Integration: Node.js library

6.8 Authentication & Security

**Auth0** or **Firebase Authentication**

* Purpose: User authentication and authorization
* Features needed:
  + Email/password authentication
  + Password reset flows
  + Session management
  + Role-based access control
* Integration: JavaScript SDK for frontend, Node.js SDK for backend

**bcrypt**

* Purpose: Password hashing (if building custom auth)
* Features needed:
  + Secure password hashing
  + Salt generation
* Integration: Node.js library

6.9 Job Scheduling

**Node-cron** or **Bull**

* Purpose: Schedule recurring tasks (scraping, report generation, ML model updates)
* Features needed:
  + Cron-style scheduling
  + Job queuing
  + Retry logic
  + Job monitoring
* Integration: Node.js library

6.10 API Documentation

**Swagger/OpenAPI**

* Purpose: API documentation for integrations
* Features needed:
  + Interactive API documentation
  + Request/response examples
  + Authentication documentation
* Integration: Swagger UI hosted endpoint

7. Data Import/Export Formats

7.1 Import Formats

**Product Catalog Import (CSV/Excel)** Required columns:

* SKU (unique identifier)
* Product Name
* Category
* Current Price
* Cost (optional)
* Minimum Price (optional)
* Maximum Price (optional)
* Status (Active/Inactive)

**Competitor Price Import (CSV/Excel)** Required columns:

* Competitor Name
* Product SKU (matching your catalog)
* Competitor Product Name
* Price
* Currency
* Date
* URL (optional)

**Sales Data Import (CSV/Excel)** Required columns:

* Date
* Product SKU
* Quantity Sold
* Revenue
* Region (optional)

7.2 Export Formats

**All exports available in:**

* CSV (for data analysis)
* Excel (.xlsx) (for formatted reports)
* PDF (for presentation reports)

**Exportable data:**

* Product catalogs with current pricing
* Competitor price comparisons
* Pricing recommendations history
* Demand analysis data
* Alert history
* Custom report data

8. Performance Expectations

8.1 Response Times

* Dashboard load: Under 2 seconds
* Report generation: Under 10 seconds for standard reports
* Price recommendation calculation: Under 5 seconds
* Search results: Under 1 second
* Real-time notifications: Instant (under 1 second)

8.2 Data Refresh Rates

* Competitor price updates: Configurable (hourly to weekly)
* Demand signals: Daily updates
* ML model predictions: On-demand or scheduled (daily)
* Dashboard metrics: Real-time or cached (5-minute refresh)

8.3 Scalability Targets

* Support for 10,000+ products in catalog
* Track 50+ competitors simultaneously
* Handle 100+ concurrent users
* Store 2+ years of historical pricing data
* Process 1,000+ pricing recommendations per day

9. Accessibility Considerations

* Keyboard navigation support for all interactive elements
* Screen reader compatibility (ARIA labels)
* Sufficient color contrast ratios (WCAG AA compliance)
* Text alternatives for charts and visualizations
* Resizable text without breaking layout
* Clear focus indicators
* Error messages associated with form fields

10. Browser Support

* Chrome (latest 2 versions)
* Firefox (latest 2 versions)
* Safari (latest 2 versions)
* Edge (latest 2 versions)
* Minimum screen resolution: 1366x768
* Optimized for desktop/laptop use
* Tablet support (landscape orientation)

This specification provides a comprehensive overview of the Smart Pricing Intelligence Platform's user-facing features and interactions. The platform combines automated data collection, machine learning-powered insights, and intuitive interfaces to help B2B industrial companies make informed pricing decisions quickly and confidently.