

Agent Bowery Front End Navigation Sidebar - Complete Analysis

Navigation Architecture Overview


The navigation system is built with **role-based access control** using three main user roles:

- **Admin:** Full system access
- **Editor:** Content creation and management
- **Viewer:** Read-only access to analytics and leads


Navigation Structure by Sections

1. Core Content Management Section

Dashboard (`/dashboard`)

- **Icon:** HomeIcon 
- **Permissions:** `analytics:view`
- **Functionality:**
 - System health monitoring (API status, OAuth config, global pause)
 - Content statistics overview (total, published, draft, pending)
 - Upcoming scheduled posts
 - Performance metrics (engagement rate, reach growth, content performance)
 - Quick actions and recent activity
 - Auto-refreshes every 30 seconds
 - Works in offline mode with mock data when backend unavailable

Content (/content)

- **Icon:** DocumentTextIcon 
- **Permissions:** `content:create` , `content:edit` , `analytics:view`
- **Functionality:**
 - Content library management with filtering (status, type, search)
 - Bulk operations (approve/reject selected)
 - Individual content actions: View, Edit, Optimize, Schedule, Smart Schedule
 - Brand compliance validation and rule enforcement
 - Content import and media upload
 - Real-time content status tracking


AI Generate (/ai-generate)

- **Icon:** SparklesIcon ✨
- **Permissions:** `content:create`
- **Functionality:** AI-powered content generation tools

Batch Generate (/batch-generate)

- **Icon:** SparklesIcon ✨
- **Permissions:** `content:create`
- **Functionality:** Bulk content generation capabilities

Calendar (/calendar)

- **Icon:** CalendarIcon 
- **Permissions:** `content:create` , `content:edit` , `content:publish`
- **Functionality:** Content scheduling and calendar management


Inbox (/inbox)

- **Icon:** InboxIcon 

- **Permissions:** `content:create` , `content:edit`
- **Functionality:** Content approval workflow and notifications


2. Analytics & Performance Section

Analytics (`/analytics`)

- **Icon:** ChartBarIcon 
- **Permissions:** `analytics:view`
- **Functionality:**
 - Comprehensive analytics dashboard with multiple chart types
 - Content performance tracking (views, engagement, clicks, shares)
 - Platform-specific metrics (Facebook, LinkedIn, Instagram, Twitter, Email)
 - ROI tracking with revenue vs cost analysis
 - Content type distribution analysis
 - Top performing content identification
 - Date range filtering (7d, 30d, 90d, 1y)
 - Data export capabilities


3. Platform Management Section

Platforms (`/platforms`)


- **Icon:** GlobeAltIcon 
- **Permissions:** `platforms:manage`
- **Functionality:**
 - Platform connection management (Facebook, LinkedIn, Instagram, Twitter, Email)
 - OAuth status monitoring and token management
 - Webhook configuration and status tracking
 - Platform testing and connection validation

- Account information display (followers, verification status)
- Real-time connection status updates


Platform Features (/platform-specific)

- **Icon:** GlobeAltIcon 
- **Permissions:** platforms:manage
- **Functionality:**
 - Platform discovery and account management
 - Publishing options configuration
 - Platform-specific feature management


Token Management (/tokens)

- **Icon:** ShieldCheckIcon 
- **Permissions:** platforms:manage
- **Functionality:** OAuth token management and refresh

Webhook Management (/webhooks)

- **Icon:** BellIcon 
- **Permissions:** platforms:manage
- **Functionality:** Webhook configuration and monitoring

Posts Testing (/posts-testing)

- **Icon:** CogIcon 
- **Permissions:** platforms:manage
- **Functionality:** Platform-specific post testing tools


4. Advanced Features Section

Advanced Content (/advanced-content)


- **Icon:** DocumentTextIcon 

- **Permissions:** `content:create` , `content:edit`
- **Functionality:**
 - Content version management
 - Platform-specific previews
 - Content adaptation tools
 - Bulk operations
 - Advanced search capabilities
 - Target account management


AI & Analytics (`/ai-analytics`)

- **Icon:** ChartBarIcon 
- **Permissions:** `content:create` , `content:edit` , `analytics:view`
- **Functionality:** AI-powered analytics and insights

Workflow & Notifications (`/workflow-notifications`)


- **Icon:** BellIcon 
- **Permissions:** `content:create` , `content:edit` , `admin:access`
- **Functionality:**
 - Workflow management
 - Notification channel configuration
 - Notification template management
 - Notification rules setup
 - History and analytics tracking

Advanced Scheduling (`/advanced-scheduling`)


- **Icon:** ClockIcon 
- **Permissions:** `content:create` , `content:edit`
- **Functionality:** Advanced scheduling features and automation

5. System Administration Section


Metrics & Monitoring (/metrics)

- **Icon:** ChartBarIcon 
- **Permissions:** admin:access
- **Functionality:** System performance monitoring


Error Management (/errors)

- **Icon:** ExclamationTriangleIcon 
- **Permissions:** admin:access
- **Functionality:** Error tracking and resolution management


Media Processing (/media-processing)

- **Icon:** DocumentIcon 
- **Permissions:** admin:access
- **Functionality:** Media file processing and management


Jobs & Queue (/jobs)

- **Icon:** QueueListIcon 
- **Permissions:** admin:access
- **Functionality:** Background job monitoring and queue management

Auth Management (/auth-management)


- **Icon:** ShieldCheckIcon 
- **Permissions:** admin:access
- **Functionality:** User authentication and authorization management

Pipeline Monitoring (/pipeline-monitoring)


- **Icon:** CogIcon 
- **Permissions:** admin:access

- **Functionality:** Data pipeline monitoring and management

Admin Advanced (/admin-advanced)


- **Icon:** CogIcon 
- **Permissions:** `admin:access`
- **Functionality:** Advanced administrative features

Health & Monitoring (/health)


- **Icon:** CogIcon 
- **Permissions:** `admin:access`
- **Functionality:**
 - System health dashboard
 - OAuth configuration monitoring
 - Performance metrics visualization

6. Configuration & Management Section


Templates (/templates)

- **Icon:** DocumentIcon 
- **Permissions:** `templates:manage`
- **Functionality:** Content template management

Brand Rules (/brand-rules)


- **Icon:** ShieldCheckIcon 
- **Permissions:** `brand-rules:manage`
- **Functionality:** Brand compliance rule configuration

Users (/users)


- **Icon:** UsersIcon 
- **Permissions:** `users:manage`

- **Functionality:** User account management

Settings (/settings)


- **Icon:** CogIcon 
- **Permissions:** settings:manage
- **Functionality:** System configuration settings

Admin (/admin)

- **Icon:** ShieldCheckIcon 
- **Permissions:** admin:access
- **Functionality:**
 - Comprehensive admin panel with multiple tabs
 - Template management
 - Brand rules configuration
 - Brand analytics
 - Quality policies
 - User management
 - System configuration
 - DLQ (Dead Letter Queue) management
 - Prompt template management
 - Quality configuration
 - Autopost controls


7. Additional Features

Leads (/leads)

- **Icon:** UsersIcon 
- **Permissions:** None (available to all users)

- **Functionality:** Lead management and tracking

Storage Management (/storage)

- **Icon:** DocumentIcon 
- **Permissions:** None (available to all users)
- **Functionality:** File storage management

Quick Actions Section

The sidebar also includes a **Quick Actions** section with commonly used functions:

- **Create Content** (/content/create) - Direct content creation
- **Schedule Post** (/content/schedule) - Quick scheduling
- **Manage Leads** (/leads) - Lead management
- **View Analytics** (/analytics) - Analytics dashboard

Permission System

The navigation uses a sophisticated permission-based filtering system:

```
// Permission filtering logic
const filteredItems = navigationItems.filter(item => {
  if (!item.permissions || item.permissions.length === 0) {
    return true; // Show to everyone
  }
  // User needs at least one of the required permissions
  return item.permissions.some(permission => hasPermission(user, permission));
});
```

Key Features

1. **Role-Based Access:** Navigation items are dynamically filtered based on user permissions

2. **Active State Management:** Current page is highlighted with visual indicators
3. **Responsive Design:** Mobile-friendly with collapsible sidebar
4. **Real-Time Updates:** Auto-refreshing data and status indicators
5. **Offline Support:** Graceful degradation when backend is unavailable
6. **Comprehensive Coverage:** From basic content management to advanced system administration

[1 tool called]

This comprehensive navigation system provides a complete content management and social media automation platform with role-based access control, ensuring users only see and can access features appropriate to their permissions level. The system is designed to scale from individual content creators to enterprise-level content management teams.