SentimentPulse User Manual

Authentication Features

1. **Sign In Options**
   - Email/password login
   - Google account sign in
   - Create new account with email
   - Password recovery support
2. **Account Security**
   - Automatic session management
   - Secure token-based authentication
   - Option to logout from any screen

Main Dashboard Features

Stock Symbol Management

1. **Adding Symbols**
   - Type stock symbol in the search bar
   - Press Enter or click the plus icon to add
   - Supports multiple symbols simultaneously
   - Each symbol appears as a removable tag
2. **Removing Symbols**
   - Click the 'X' button on any symbol tag
   - Instantly updates the news feed
   - No limit on removing symbols

News Feed Management

1. **Viewing News**
   - Real-time financial news display
   - Each article shows:
     - Title and description
     - Source and publication date
     - Related stock symbols
     - Sentiment analysis (Positive, Neutral, Negative)
     - Sentiment score percentage
2. **News Refresh**
   - Manual refresh button in header

- ○ 10-second cooldown between refreshes
- ○ Visual loading indicator
- ○ Automatic timestamp update
3. **News Filtering**
   - ○ Filter by sentiment (Positive, Neutral, Negative)
   - ○ Filter by specific stock symbols
   - ○ Shows total number of filtered items

Sentiment Analysis Features

1. **Sentiment Statistics**
   - ○ Visual sentiment distribution
   - ○ Percentage breakdown of:
     - ■ Positive sentiment
     - ■ Neutral sentiment
     - ■ Negative sentiment
   - ○ Updates automatically with filters
2. **Data Export**
   - ○ Export to CSV feature
   - ○ Includes all article data
   - ○ Sentiment scores included
   - ○ Downloadable file format

User Interface Elements

1. **Header Information**
   - ○ Current time display
   - ○ Last refresh timestamp
   - ○ User email display
   - ○ Quick access to logout
2. **Visual Indicators**
   - ○ Color-coded sentiment badges
     - ■ Green for positive
     - ■ Yellow for neutral
     - ■ Red for negative
   - ○ Loading animations
   - ○ Error messages when applicable

Performance Features

1. **Data Caching**
   - ○ 10-minute news cache
   - ○ Reduced API calls
   - ○ Faster content loading

- ○ Automatic cache refresh
2. **Rate Limiting**
    - ○ Protection against excessive refreshes
    - ○ Clear feedback on refresh cooldown
    - ○ Automatic retry mechanism

Best Practices

1. **Optimal Usage**
    - ○ Add relevant symbols for targeted news
    - ○ Use filters to focus on specific sentiments
    - ○ Regular refreshes for latest updates
    - ○ Export data for detailed analysis
2. **Troubleshooting**
    - ○ Check internet connection if loading fails
    - ○ Clear browser cache if experiencing issues
    - ○ Ensure proper login credentials
    - ○ Contact support for persistent problems

Browser Compatibility

- ● Works on all modern browsers:
    - ○ Chrome
    - ○ Firefox
    - ○ Safari
    - ○ Edge
- ● Responsive design for all screen sizes