New Website Changes Documentations

New Technical Stack

- Frontend: Next.js 14 (App Router), React , Shadcn UI
- Styling: Tailwind CSS
- Backend: Node.js
- Language: TypeScript 5.0+

New Functional Requirements

1. **New Payment Gateway**:

   - New payment gateway for the website.
   - Features for m-CaMS registration, renewal, share statement, and ACC shares declaration.

2. **Sector Index Calculation**:

   - A calculated sector index for all sectors, with a base value of 100, and market capitalization starting from February 7, 2025.

3. **Shares Declaration**:

   - Integration of ACC shares declaration functionality.

4. **Contact Us Page**:

   - Inclusion of a dynamic feedback form to enhance user interaction.

5. **Market Data**:

   - **Open**: The opening price for the day.

   - **Vol**: Total shares traded during the week.

   - **High**: The highest price during the week.

- **Low**: The lowest price during the week.

- **EPS**: Earnings per share.

- **P/E Ratio**: Price-to-earnings ratio.

- **52WL**: The lowest price in the past 52 weeks.

- **52WH**: The highest price in the past 52 weeks.

- **Average Volume**: Average daily trading volume over the past 30 days.

- **Market Cap**: Total market capitalization.

- **Dividend Yield**: The annual dividend yield percentage.

6. **ARMS Enhancements**:

   - Additional features for managing sector index, dividend yield, EPS, P/E ratio, book value, book value and user feedback.

7. **Live Market & Real-Time Features**:

   - Volume leaders added and live market data with hot reloading.

   - Real-time market updates and dynamic charts (color-coded for price movement, e.g., red/green).

8. **Search and Chatbot Integration**:

   - A new global stock search functionality for better usability.

   - Chatbot integration for user support.

9. **Bhutan NDI Integration**:

   - Integration with Bhutan's NDI system for credential verification and user authentication.

10. **New AGM display**:

   ○ Traditionally it did not directly show upcoming AGMs, which limited the user's ability to see future events at a glance.
   ○ Upcoming AGMs are marked with labels like "Today," "Tomorrow," "In two days," "In three days," or "Upcoming," making it easier to track future meetings.

Non-Functional Requirements

1. **Security**:

   ○ Enhanced security measures to prevent bypassing share statement access through URL manipulation.

2. **Compatibility**:

   ○ The system is fully compatible across a wide range of devices.

3. **Portability**:

   ○ The system is designed to run seamlessly on various operating systems and devices.

4. **Usability**:

   ○ The user interface is intuitive and accessible, allowing users to easily navigate and utilize all available features.

UI/UX Enhancements

1. **ShadCN UI**:

   ○ Implemented ShadCN UI for an improved and modernized interface and layout.

2. **Admin Dashboard**:

   ○ The traditional admin dashboard-style navigation has been replaced for a more user-friendly approach.

3. **Advanced Data Visualization**:

   ○ The screener table now includes enhanced visualization for easier interpretation of data.
   ○ Red indicate market price downfall
   ○ Red indicate market price rise

4. **Dynamic Charts**:

   ○ Dynamic and interactive graphs and charts have been integrated for better market insights.

5. **Improved User Interaction**:

   ○ Enhanced search functionality and increased user engagement with more intuitive features.

6. **Responsive Design**:

   ○ The platform has been optimized for seamless use across all devices and screen sizes.

7. **Visual Customization**:

   ○ Features like dark mode/theme and dynamic visual updates (e.g., red/green pricing) have been added to improve the user experience.