My today’s Project name is Real-Time Stock Market Data Web Application; move on to the Index page,

First, we go through the brief Introduction about today’s project then followed by Task Instructions and Key Feature points. 4th Index point describes How to create Webapp in Adalo then we forward to the Demo of My Project. Followed by the challenges page and finally presentation would be over the Conclusion page.

So, here is introduction of our project; The **Real-Time Stock Market Data Web Application** is a full-stack web application that allows investors to track real-time stock market data in an easy-to-understand format. The web application pulls real-time stock market data from APIs and displays stock prices, volume, market trends, and other information that investors need to track their investments. The web application has features such as user authentication and security to ensure that user data is protected.

**Our Task Instruction is to**

Watch the tutorial video provided using the link: <https://youtu.be/DSI0QmcvzxY>

Follow along with this video and learn Adalo, its features and functionalities.

Once we have completed tutorial, start building a responsive website using Adalo.

Key features used in building process of website are:

1. Choose a theme and customize it to our liking
2. Create multiple pages with different components (buttons, forms, lists, graphs etc.)
3. And last point is adding functionality to our website, such as navigation bar (used for navigating among tabs), Form Submission (for authentication layout), and data storage (for managing the data).

Remaining Task instructions were; Presentation should include a walkthrough of your website, highlighting its features and functionalities.

**This is our today’s Task is; Getting Started and Full Walkthrough of Adalo. Now, what is Adalo?**

Adalo is a no code platform, founded in 2018 that enables anyone to build native mobile apps and progressive web apps without a single line of code. With Adalo, you can create most types of app you can imagine. The platform comes with a drag and drop interface that makes it easy to design and build your app without any technical expertise.

**Why do we need Adalo?**

Using Adalo is as easy as dragging and dropping UI components to design your app. The platform comes with over 50 UI components for you to use. These include components most apps require such as buttons, text, lists, images, forms and navigation bars. Some of the more interesting components we found in the marketplace included a QR code generator, audio player.

Adalo comes with a built-in database that makes it easy to store and manage your app’s data. You can easily create collection, set relationships and add security rules to control who can read, write and delete data.

Adalo also offers API integration with existing databases which means you can simply use Adalo as the front end of your app if you prefer.

Adalo also has a user management system which lets you easily add authentication to your app. This is useful if you want to add features such as login, signup, password reset and email verification.

Templates are prebuilt apps that you can use as a starting point for your own app. For example,

1. Booking app
2. To-do app
3. Ecommerce app
4. News app
5. Task Manager app

And many more

**Let’s create an App in Adalo, in these following steps we will be ready for making a very efficient website using Adalo APP:**

1. Join in Adalo App by making an account.
2. Then choose your template as per your requirements, I choose Blank Template, as I want my website to be started from scratch.
3. Then mark which page would be your Home-page, Login Page, or Sign-UP Page and design them accordingly. Also make other tabs for different purposes.
4. Add components in each page. And link them with their functionalities.
5. Finally, debugging your webpages.

**Limitations:**

1. Feature Limitations: While Adalo has a range of built-in features, it might not cover every possible functionality requirement. Advanced or niche features may not be readily available, and implementing them could be challenging or even impossible without custom code.
2. **Data Storage and Scalability:** Adalo's data storage capabilities might have limitations in terms of storage capacity and scalability. For large-scale applications or projects with extensive data needs, the platform's data management might become a constraint.
3. **Limited Backend Access:** Adalo abstracts away much of the backend complexity, which is great for ease of use. However, it also means limited access to low-level backend operations, which might be necessary for certain advanced functionalities.

**Challenges:**

1. **Easy-to-understand Format:**

Ensuring that the user interface and overall design of the application are intuitive and easy to understand can be a challenge. Since Adalo is a no-code platform, the intern needs to carefully design the app's layout, navigation, and interactions so that users can easily grasp its functionality without the need for extensive instructions.

1. **Connection to other Tab Links:**

In many applications, different sections or functionalities are organized into separate tabs. The challenge here is to establish smooth and seamless connections between these tabs, allowing users to navigate between them effortlessly.

1. **Data Management and its Connections:**

Adalo application already consist of its own Data Manager, it often involves handling and displaying data from various sources like databases, APIs, or external services. The user needs to understand how to manage data within the app and connect it to the appropriate components for display. Challenges may arise in handling different data formats, ensuring data consistency, and handling potential errors in data retrieval.

1. **Data Connections to Line Chart & News:**

Specifically, in this project, the user will encounter challenges related to visualizing data through a line chart and incorporating news feeds. They'll need to configure the line chart component to display data accurately and update dynamically based on the underlying dataset. Additionally, connecting and displaying news content from external sources can present challenges related to API integration and rendering the news in a presentable manner.

**Conclusions:**

* No-Code Development: Adalo's no-code approach empowers the intern to create a website without extensive coding knowledge, making it accessible to individuals with various backgrounds and skills.
* User-Friendly Interface: Adalo provides an intuitive and user-friendly interface, enabling the intern to design and customize the website easily.
* Rapid Development: With pre-built components and templates, Adalo facilitates quick website development, allowing the intern to focus more on design and functionality.
* Responsive Design: Adalo ensures the website is responsive across various devices, providing a seamless experience for users on both mobile and web platforms.
* Data Integration: The platform allows for data connections, enabling the intern to fetch and display dynamic content, such as line charts and news feeds.