**FuturiStock**

Team DevX presents FuturiStock, an innovative AI-powered stock prediction model designed to revolutionize investment strategies. FuturiStock employs a robust momentum investing strategy, integrating essential indicators such as Simple Moving Average (SMA), Exponential Moving Average (EMA), last volume, and average volume. These indicators collectively contribute to predicting top and bottom-performing stocks, offering valuable insights into potential profit and loss scenarios. Notably, the project incorporates a 100-day statistical arbitrage analysis, elevating accuracy by identifying patterns and deviations in historical stock data.

In terms of technology stack, FuturiStock is built using Python (Flask) for the backend, HTML and CSS for frontend structure and styling, Bootstrap for responsive design, and JavaScript to enhance frontend interactivity. This amalgamation of technologies ensures a seamless and efficient user experience.

The principles behind FuturiStock emphasize the significance of key indicators like SMA, EMA, Average Volume, and Last Volume, driving the momentum strategy. This approach provides a comprehensive analysis of stock trends and market activity, enabling more informed investment decisions.

The functionality of FuturiStock revolves around the algorithm's evaluation of historical stock data. Leveraging momentum strategy indicators, the algorithm predicts the performance of stocks, aiding users in making well-informed investment choices.

Looking next, FuturiStock has plans to enhance user experience and expand its capabilities. Making of the main website is a priority, with a focus on creating a user-friendly interface and implementing features that enhance user understanding of the project. Custom stock prediction is on the horizon, which will allow users to input specific stock symbols for detailed insights. Additionally, the analysis duration will be customizable, providing users with flexibility in their research. Algorithm website optimization is another crucial goal, aiming to accelerate predictions and improve real-time efficiency. Furthermore, both the main and algorithm websites will incorporate graphical representations, offering visual insights into stock analysis.

Despite challenges encountered during a condensed development period, Team DevX is committed to a continuous improvement approach, ensuring a more streamlined, user-centric, and sophisticated stock prediction experience for its users.