COT-P1

INTERIOR DESIGN APPLICATION

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SILVER OAK UNIVERSITY
EDUCATION TO INNOVATION
ज्ञानं परमं भूषणम्

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INTRODUCTION

Cultivate financial success with our suite of advanced solutions tailored to meet your investment needs. Introducing FINTENT, a sophisticated Financial Intelligence Platform designed to provide unparalleled insights into market trends and investment opportunities. Complementing this is our Alpha System, a robust framework for managing raw financial data with precision and efficiency. Seamlessly integrated is our Portfolio Management System (PMS), offering sophisticated tools for optimizing portfolio performance and executing trades with confidence. Harness the power of data-driven decision-making and elevate your investment strategy with our comprehensive suite of solutions.

GOALS & OBJECTIVES

Efficiency and real-time insights are at the core of our goals. Our objective is to deliver lightning-fast, real-time data to empower seamless decision-making across all aspects of portfolio management. With our Portfolio Management System (PMS), our aim is to provide not just data, but actionable insights that enable swift and informed decision-making. Whether it's monitoring market movements, analyzing trends, or executing trades, our goal is to equip our users with the tools they need to stay ahead in today's dynamic financial landscape. By prioritizing speed, accuracy, and accessibility, we are committed to delivering a superior user experience that drives success in every investment endeavor.

TECHNIQUES USED

❖ Tech Stack

❖ Database : PostgreSql

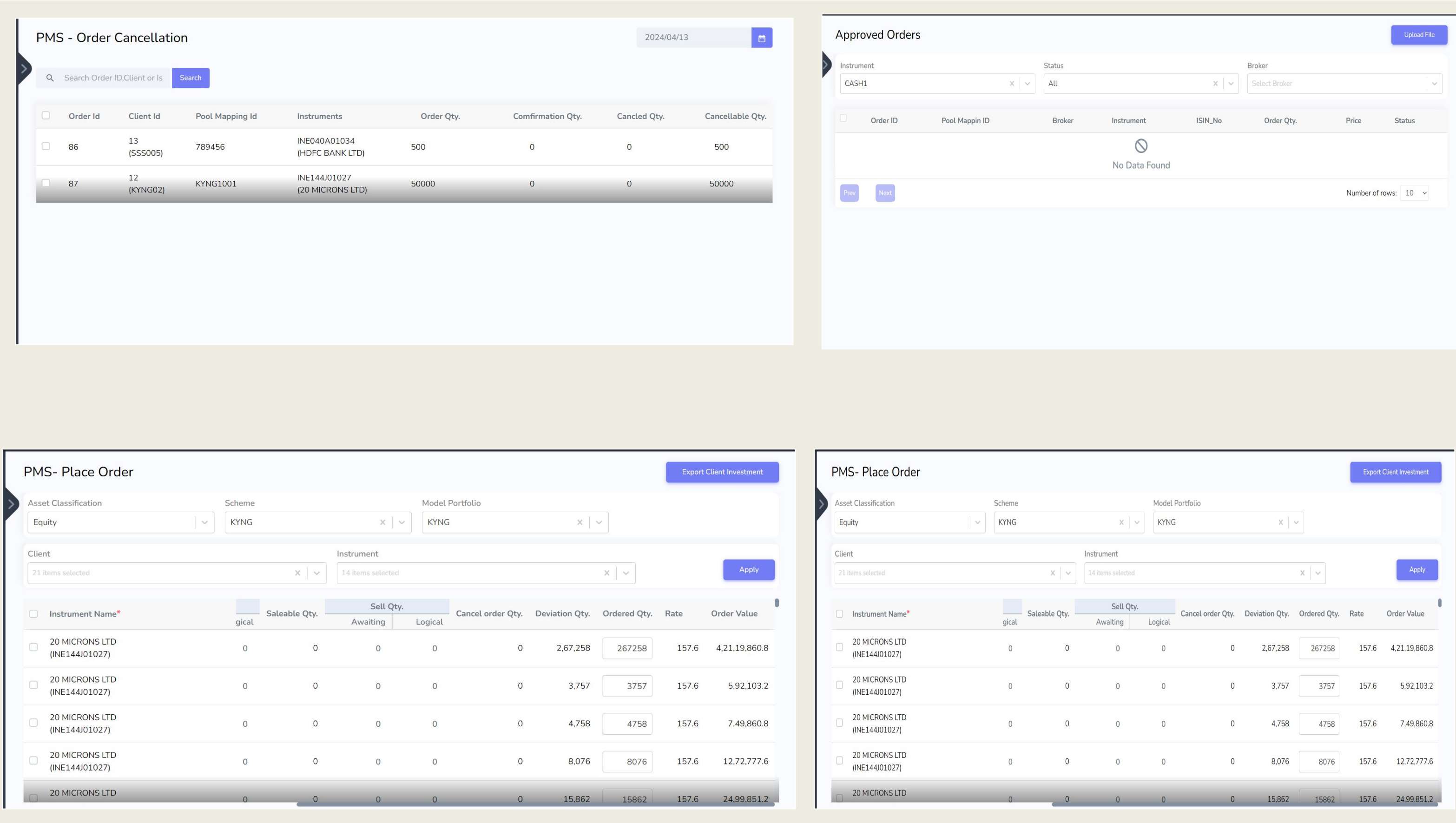❖ Frontend : React Js

❖ Backend : Node Js/Express

ALGORITHM USED

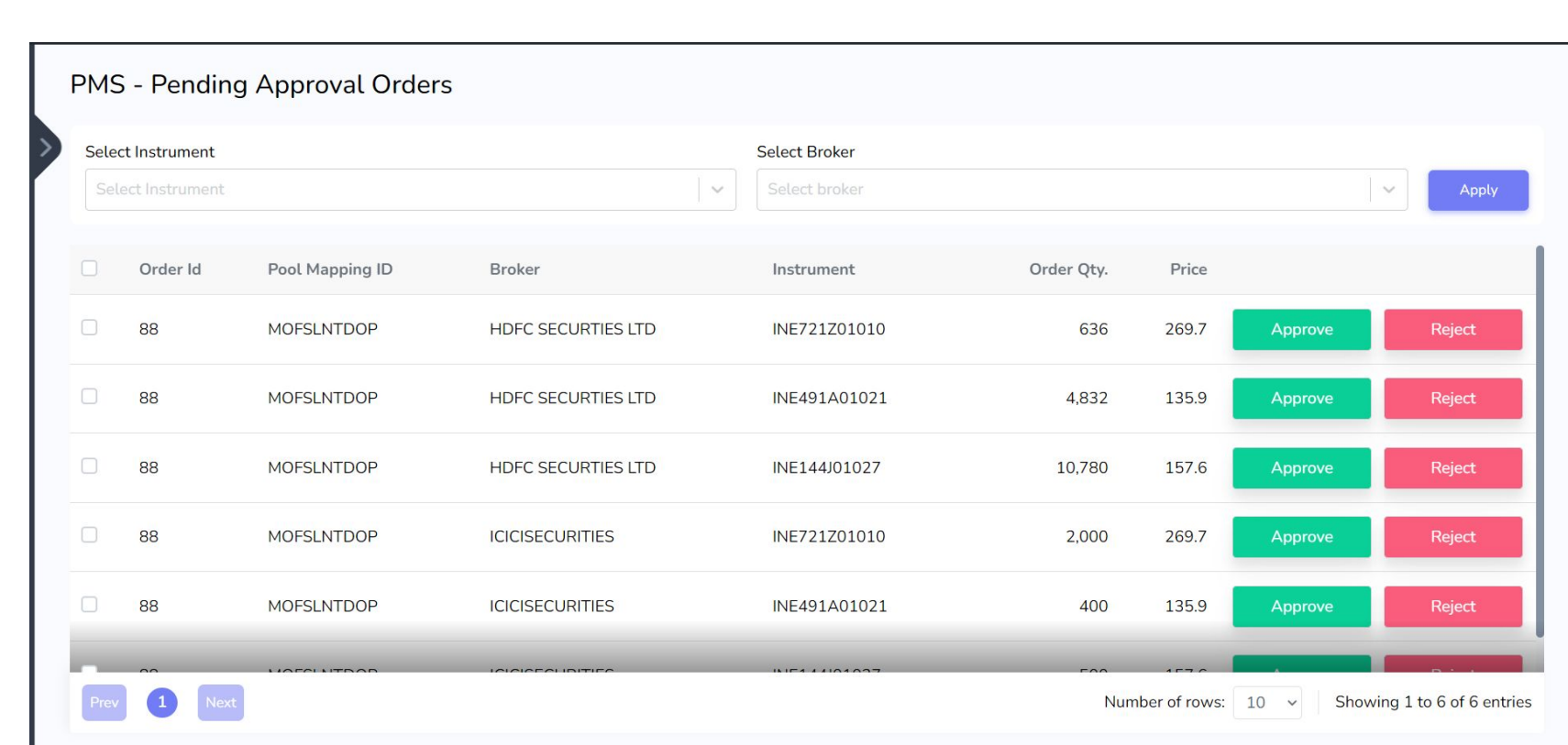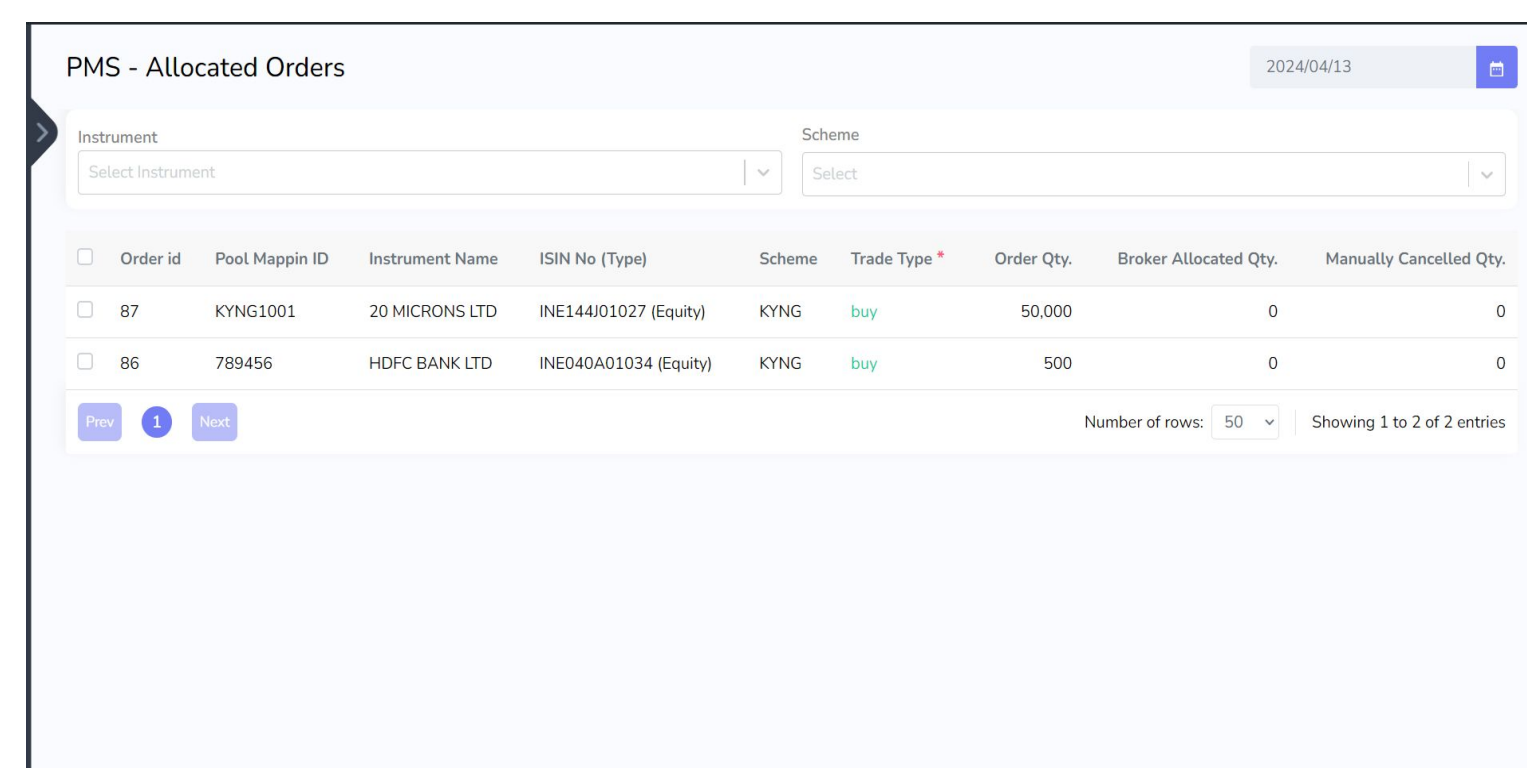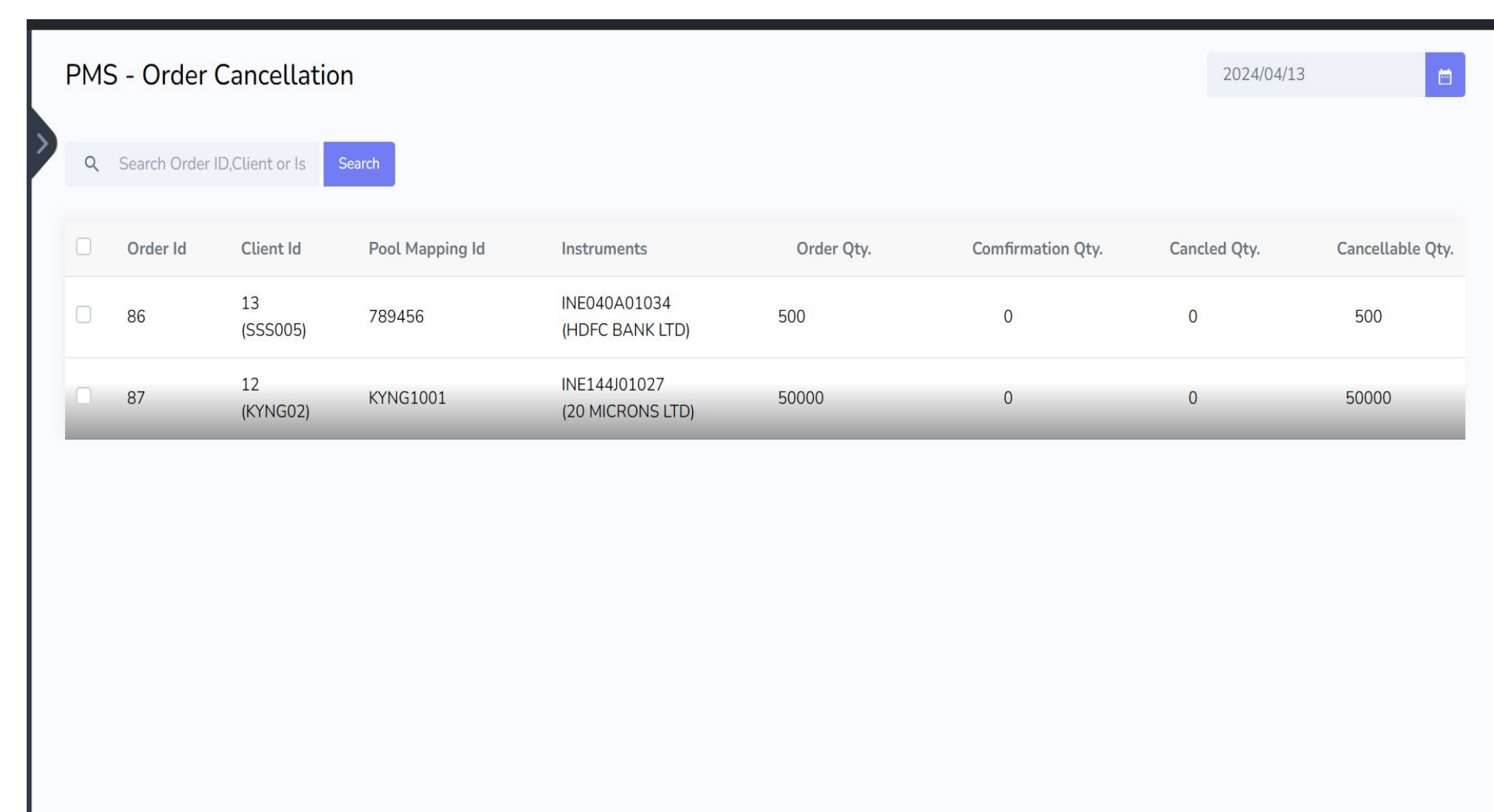Fintent Uses Place Order Algorithm and Distribution Algorithm

1.Place Order — In the place order algorithm we have logical and deviation quantity where we separate the actual target quantity to buy for that day and the manage the order quantity and in this we have used a algorithm which refreshes every day all the orders are placed to 0 after 12 AM just like any other brokerage firm
2. Distribution Logic— In the distribution logic it decides how many quantities should be assigned to client after broker buys the share. In our system the administrator bulk order shares to broker and broker share one receipt containing all the shares or securities and we have on distribution algorithm that sees that every client should get equal percentage of the securities received from broker. The Distribution logic generally works on the pool mapin id and the order id each unique order will have this distribution logic applied and suppose if broker give 50% of the total shares of 10 clients with same securities the distribution logic will be applied and that 50% will be share to 10 clients with same order id and pool mapin id and with higher preference shares to higher need for the client

Block Diagram / Circuit diagram/ Drawings

SYSTEM FLOW with Experiments and Results

IMPLEMENTATION

- **This System will be used for fintech companies and the administrators in the company**
- **System is designed to manage all the securities, order and broker allocation**
- **Administrator have to login to our system they can assign roles to other users so that they can build some model portfolio**
- **Administrator can manage orders, verify orders and also give allocation to the broker**
- **Our system has that kind if algorithm that the administrator just have to place, create orders, our system will handle all the logic**
- **User-Friendly UI to get a familiar with System**
- **Administrator has access to OMS and PMS both while other users just have access to OMS only.**

FUTURE SCOPE

Looking ahead, our vision extends beyond the horizon, envisioning a future of continual innovation and advancement in portfolio management. As we embrace emerging technologies and market trends, our commitment remains steadfast in delivering cutting-edge solutions that anticipate and exceed the evolving needs of our users. Our future scope encompasses expanding our platform's capabilities to incorporate predictive analytics, machine learning, and artificial intelligence, enabling proactive decision-making and risk management. Additionally, we aim to enhance collaboration and connectivity within the financial ecosystem, fostering seamless integration with external data sources, trading platforms, and regulatory frameworks. By embracing the future with an unwavering dedication to excellence, we aspire to empower investors and financial professionals alike to navigate tomorrow's challenges with confidence and success.

CONCLUSION

In conclusion, our journey in portfolio management has been guided by a commitment to innovation, efficiency, and user-centricity. From the inception of our Financial Intelligence Platform (FINTENT) to the development of our Alpha System and Portfolio Management System (PMS), we have strived to empower our users with the tools and insights they need to thrive in today's dynamic financial landscape. As we look to the future, our dedication to continual improvement remains unwavering. We are excited to embark on the next phase of our journey, leveraging emerging technologies and market trends to redefine the possibilities in portfolio management.

REFERENCES

➢ https://zerodha.com/
➢ https://groww.in/