

Hackfest 2025

Simplifying Investment Portfolio Management





► Redefined problem statement

- People have investments (stocks and mutual funds) spread across many apps.
- It's hard to see everything in one place and keep track.
- Most apps use confusing financial terms that are hard to understand.
- It's tough to compare options and know what to do next.
- There's no easy way to buy or sell from one single app.

► Is this a real problem?

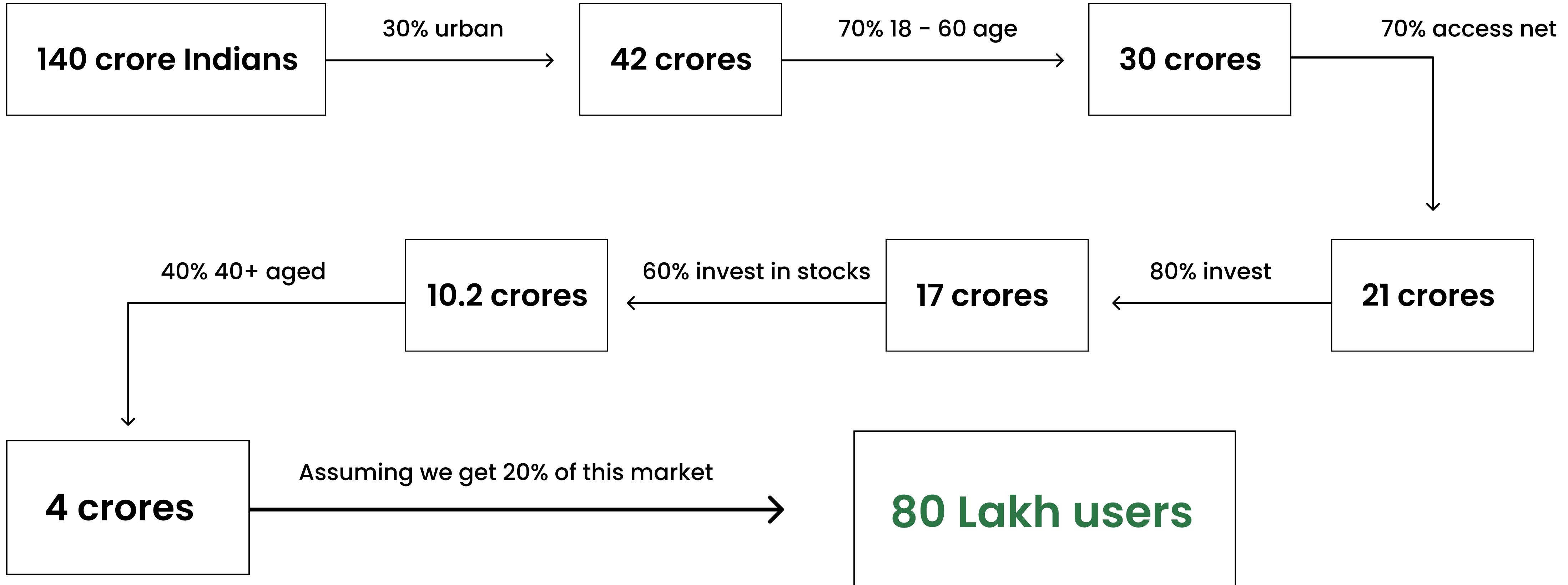
Only **27%** of India's population is considered financially literate, indicating that a significant majority may struggle with understanding complex financial concepts and terminologies. source - yourstory.com

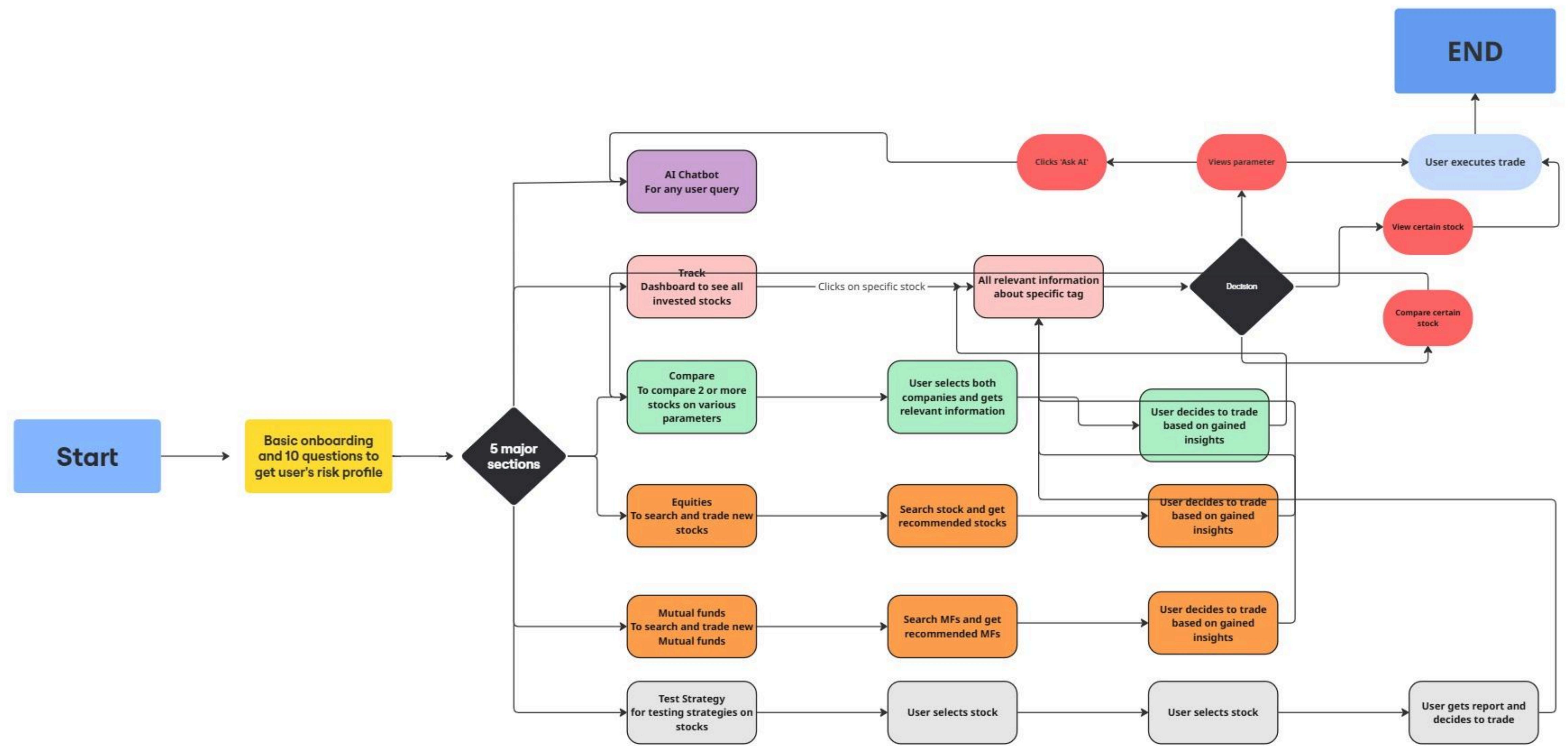
► Opportunity



of Indian investors now prefer using digital platforms for their investment activities. source - financehub

▶ Is this problem big enough to solve?







Solution 1



► Unified Stock Dashboard

☒ The Problem:

Users juggle between 3–5 stock apps just to track their investments.

🔍 User story:

"I waste so much time switching apps—I just want one place to see everything I hold."

✓ The Solution:

A centralized stock dashboard that aggregates holdings from all broker apps — in one clean view.

► User journey for the feature





Solution 1



The user can swap between view MFs or view stocks.

**Easy to read stocks list with
the value of stocks listed for
each stock as well.**



Compare Stocks

The Problem:

Users often rely on multiple platforms, blogs, or spreadsheets to compare stocks — making investment decisions time-consuming and confusing.

User story:

“I want to compare two stocks instantly—without opening 10 tabs or Googling every parameter.”

The Solution:

A side-by-side stock comparison tool that displays key financial parameters for two companies — all in one screen, clean and actionable.

User journey for the feature

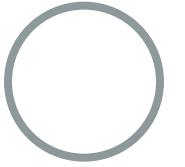
User chooses 2 companies to compare

The 2 companies are compared in a clean tabular UI format

The user also sees a advice statement at the bottom of the table



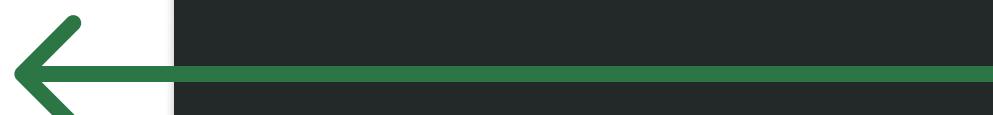
Solution 2



The user can clearly see the two companies being compared.



The user also gets a advice here in form of a statement.



The application interface is dark-themed with light-colored text and highlights. At the top, there's a navigation bar with the ILNB Group logo, a search icon, and tabs for 'Track', 'Compare' (which is underlined in green), 'Equities', and 'Mutual funds'. Below the navigation is a table titled 'Parameter' with two columns: 'Company 1' and 'Company 2'. There are eight rows in the table, each containing a parameter name and its corresponding value for both companies. A callout box with a green arrow points to the table, stating: 'The user can clearly see the two companies being compared.' At the bottom right of the interface is a green circular logo with a stylized knot or network pattern.

Parameter	Company 1	Company 2
Parameter	value	value

Diplomatic statement about which stock to trade



▶ AI Chatbot

☒ The Problem:

New and casual investors often feel overwhelmed by financial jargon and are unsure where to get trusted, personalized investment advice.

🔍 User story:

“I wish someone could just explain things in simple terms or tell me what to look out for before investing.”

✓ The Solution:

An AI-powered investment assistant that answers queries in simple conversational language.

▶ User journey for the feature

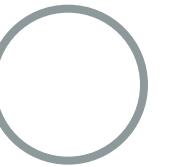
User asks a query to the AI chatbot

The chatbot processes the question and answers it to the user

The user can then ask follow up questions to the chatbot



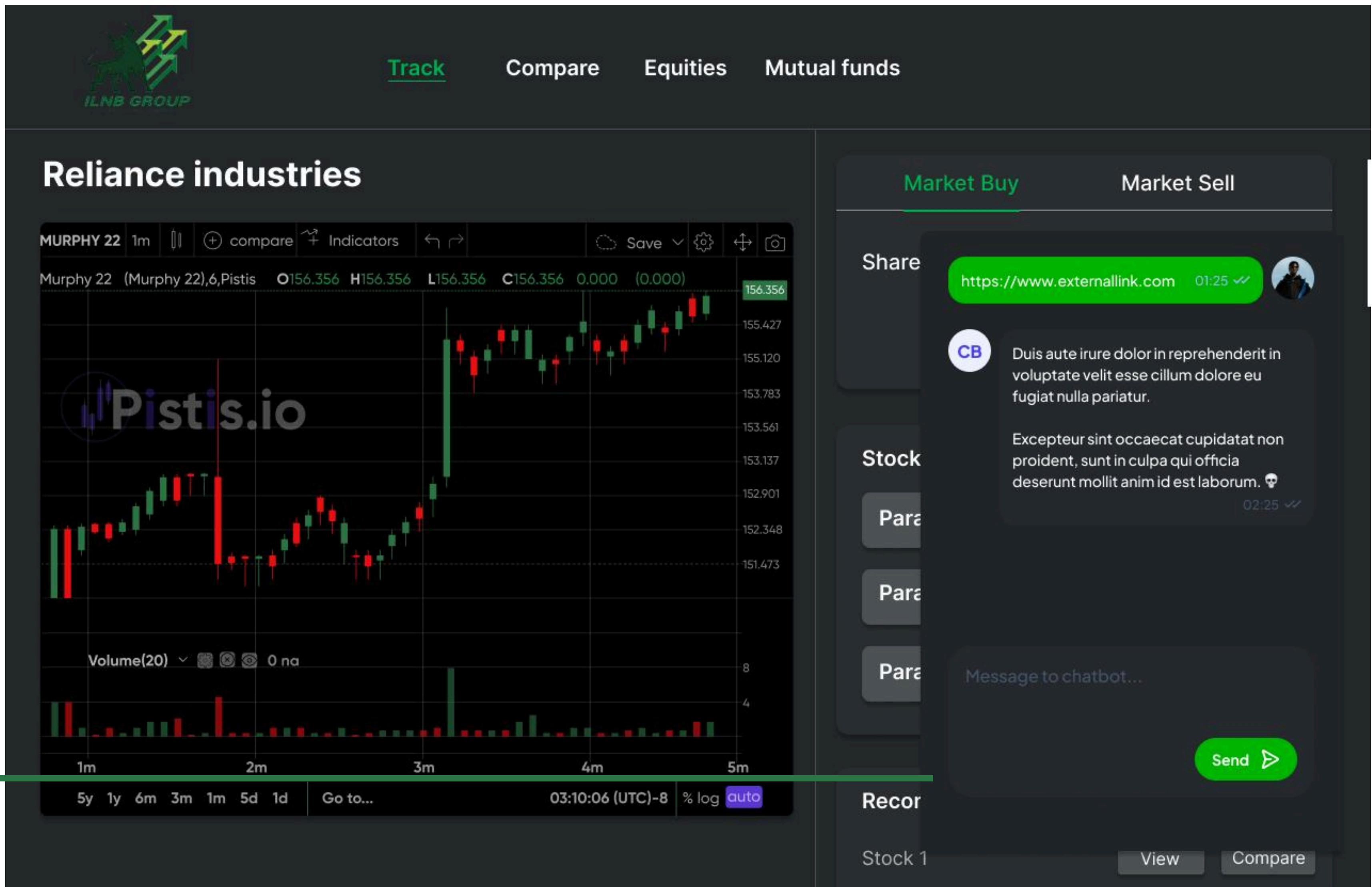
Solution 3

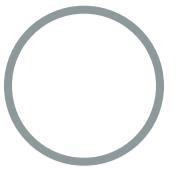


The user can access the chatbot by clicking on the chatbot icon (bottom right of the screen)



The user can get his queries solved here.





▶ Trade stocks with confidence

☒ The Problem:

New investors find it hard to understand complex stock data and hesitate to buy or sell.

🔍 User story:

“Just tell me if a stock is risky or safe — in simple words.”

✓ The Solution:

A Buy/Sell feature with easy-to-understand insights like the Risk level (Low/Medium/High)

▶ User journey for the feature

User views a certain stock

User can see simple parameters based upon which they can make trade decisions

The user then executes the trade from our website itself.

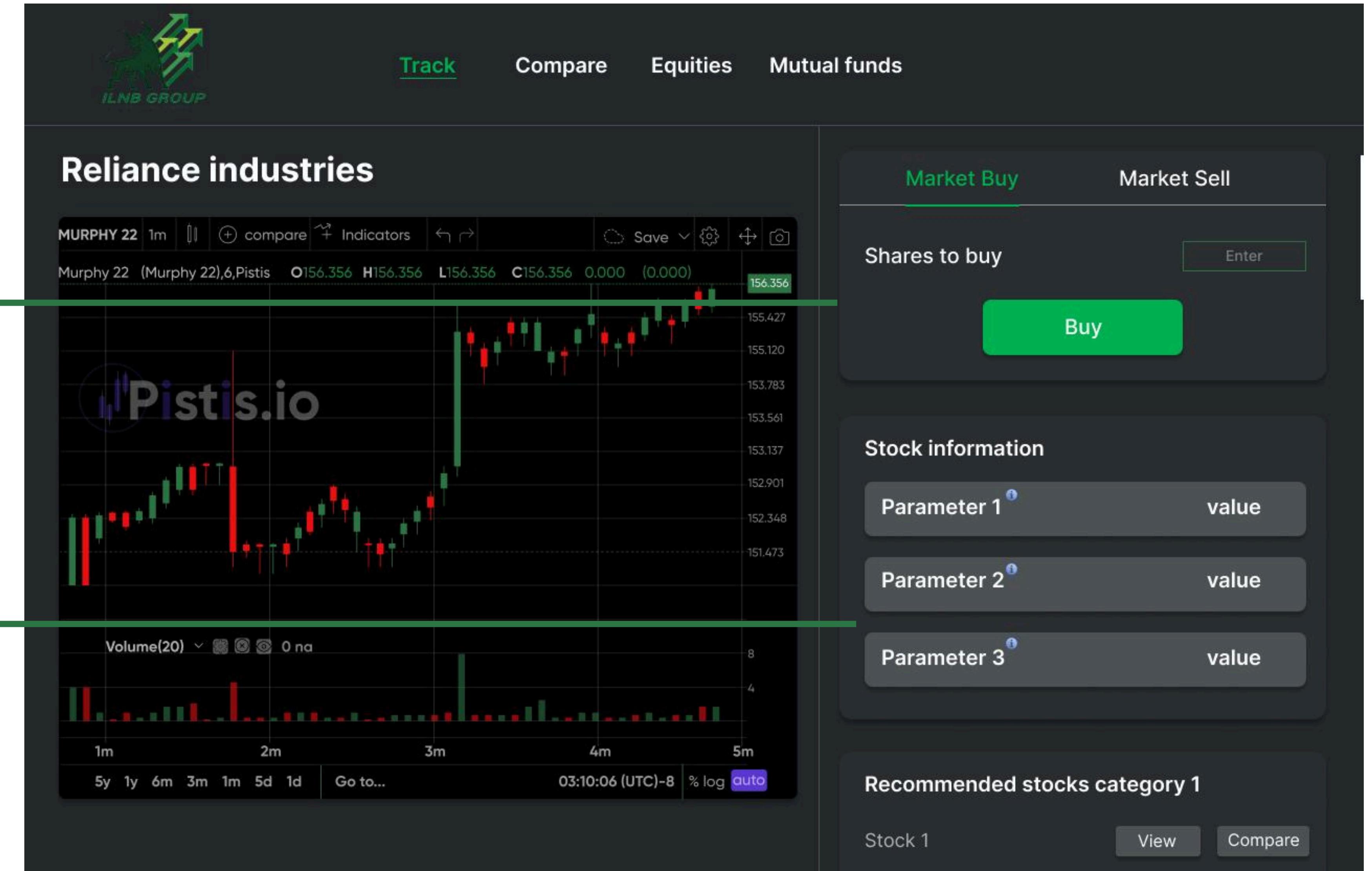


Solution 4



The user can trade stocks through this section.

The user can see basic parameters here like risk which helps the user in making a decision.





▶ Test strategies

☒ The Problem:

New investors don't have testing environment to test different strategies.

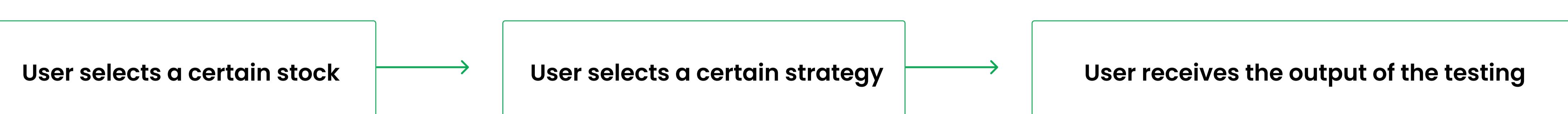
🔍 User Insight:

"I want to find the best investment strategy based upon testing."

✓ The Solution:

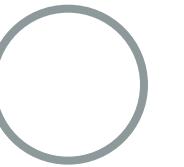
A strategy testing feature where a user can test any strategy on any stock.

▶ User journey for the feature





Solution 5



The user first search his stock here



The screenshot shows a dark-themed financial application interface. At the top, there is a navigation bar with the ILNB Group logo, a search icon, and menu items: Track, Compare, Equities, Mutual funds, and Test strategy. Below the navigation bar is a search bar labeled "Search stock" with a magnifying glass icon. A green callout box with a downward arrow points to this search bar, containing the text "The user first search his stock here". The main content area displays a table for Reliance Industries. The table has columns for Company, Market price, Close price, and two buttons labeled "Strategy 1" and "Strategy 2". The "Company" column shows "Reliance Industries", "Market price" shows "Rs.1000", and "Close price" also shows "Rs.1000". The "Strategy 1" button is highlighted with a green border.

Company	Market price	Close price	Strategy 1	Strategy 2
Reliance Industries	Rs.1000	Rs.1000		

The user can then click on his desired strategy to get the output.

The UX is very efficient as the user journey only has 2 steps.





Tech stack used



MERN Stack

A JavaScript framework for building dynamic, full-stack web applications.

Python

A versatile language for backend development, APIs, and machine learning integration.

Figma

A collaborative design tool for creating wireframes, prototypes, and UI designs.

DaisyUI

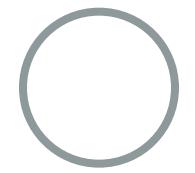
A Tailwind CSS-based library with pre-styled, customizable components.

Material UI

A React library implementing Google's Material Design for polished user interfaces.



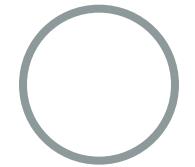
What everyone did in the last 12 hours?



Name	Tasks Completed
Suryansh	Used Gemini API to implement a chatbot and created predefined prompts and conversation start functions.
Devraj	Coded the basic draft of the frontend and set up user authentication.
Rishit	Accumulated all stock and mutual fund tickers and performed data preprocessing.
Shriharsh	Worked on the product deck and product design.
Kabir	Fixed errors in the frontend and conducted API research.



What everyone will do in the next 24 hours?



Name	Tasks Planned
Suryansh	Improve predefined prompts and fine-tune the model on financial data for a better experience (if possible).
Devraj	Integrate the machine learning model of the chatbot into the website and work on website deployment.
Rishit	Complete the recommender system based on metrics.
Shriharsh	Improve the product deck and finish user interfaces (UIs).
Kabir	Work on backend development and integrate APIs.

THANK YOU

Team - Future Layoffs

