

# **Stock & Options Trading Simulator**

 **Built for Hackathon 2025**

Welcome to our Stock & Options Trading Simulator — a web-based platform designed to make learning about markets engaging and risk-free!

## Overview

This simulator is a gamified learning tool where users can:

- Simulate buying/selling stocks and options
- Learn about calls, puts, strike prices, and expirations
- Track a mock portfolio over time
- Explore “what-if” trading scenarios
- Earn achievements through financial literacy challenges

## Purpose

Many new traders jump into markets without fully understanding the risks — especially with options.

### **Our mission:**

- Make options trading **approachable**
- Teach finance in a fun, interactive way
- Help users build confidence before investing real money

## Target Audience

This project is built for:

- Young learners (ages 15–25)
  - "nearly 85% of young traders incurred losses within their first year of trading options." Why young traders are losing money in options, by Economic Times, Rahul Ghose
- Students and early professionals
- Beginners curious about investing
- Risk-averse individuals who want to practice

## **Key Features**

- Simulated stocks
- Explainer pop-ups for terms and strategies
- Gamified learning

## **Design**

### **Software**

- Frontend: HTML, CSS, JavaScript

### **Accessibility**

- Responsive web design across all browsers
- High contrast ui
- Large text

## Learning Objectives

By using this simulator, users will learn:

- Planning for long-term investments
- Evaluating market conditions
- Risk management and position sizing
- Benefits of early investing habits

## **Post-Hackathon Plans**

We plan to keep building! Upcoming features may include:

- Tools for classrooms and educators
- Advanced strategies (e.g., spreads, covered calls)
- Social features: friend challenges & tournaments
- Integrating artificial intelligence creating dynamic story telling



## Sources

ET CONTRIBUTORS. (2024, May 30). [\*Why young traders are losing money in options.\*](#) The Economic Times.