

# Testing checklist: stock trading app

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## ☐ 1. release smoke tests

Done when: After each release, a test account logs in, sees live quotes, places and cancels a market and a limit order, and the order history shows both.

Risks: store-rejection, money-loss. Tool class: mobile automation. Usually run by: QA engineer.

## ☐ 2. unit tests

Done when: Buying power, margin and options collateral calculations match a reviewed table for cash, margin and options accounts, including after a partial fill.

Risks: wrong-decisions, money-loss. Tool class: unit framework. Usually run by: developer.

## ☐ 3. penetration testing

Done when: An external tester cannot place an order or change the linked bank in another customer's account, and support tooling cannot export account data without a second approver.

Risks: data-breach, fraud-abuse. Tool class: proxy. Usually run by: external lab.

## ☐ 4. payment and money-flow testing

Done when: In the sandbox, a deposit whose ACH pull is returned removes the instant buying power, freezes withdrawal and flags the account for review.

Risks: fraud-abuse, money-loss. Tool class: API client. Usually run by: QA engineer.

## ☐ 5. end-to-end functional tests

Done when: A market order placed in a fast-moving test symbol either fills or shows the customer, before submission, that it will be converted to a limit order.

Risks: money-loss. Tool class: mobile automation. Usually run by: QA engineer.

## ☐ 6. compliance checks

Done when: A test applicant who fails the options eligibility rules is refused options trading, and the refusal and the answers given are stored for review.

Risks: regulatory-penalty. Tool class: test management. Usually run by: product manager.

## ☐ 7. security scanning

Done when: The latest scan of the trading API and the support console shows no open finding that exposes account holder data.

Risks: data-breach. Tool class: DAST scanner. Usually run by: security specialist.

## ☐ 8. performance and load testing

Done when: At the login and order volume of the busiest market open on record, login, quotes and order entry respond within the targets agreed with the broker's operations team.

Risks: outage-under-load. Tool class: load generator. Usually run by: developer.

## ☐ 9. resilience and failure testing

Done when: When the market data feed or the order router is cut in a test environment, the app shows an outage banner and blocks new orders instead of accepting them silently.

Risks: outage-under-load. Tool class: chaos tool. Usually run by: developer.

## ☐ 10. device and browser compatibility

Done when: The order ticket opens and submits on the oldest and newest iOS and Android versions the app supports, and the login, quote and order ticket screens open without a crash.

Risks: store-rejection. Tool class: device cloud. Usually run by: QA engineer.

## ☐ 11. data integrity and migration testing

Done when: Cash balance, buying power and position values on the app match the clearing firm's end-of-day records for a set of test accounts, including accounts with open options.

Risks: wrong-decisions. Tool class: data validation. Usually run by: QA engineer.