Stonks Academy Trading Simulator by Dallin Larsen

Rationale

This navigation structure allows the user to have the information available when they need it by giving them high level views of the information they need and then the ability to drill down deeper to a lower level view or function when desired. This is achieved through use of dashboards and functional sub pages such as the "Study" dashboard (high level) and the historical screener (low level). Because of the niche topic of stock trading and financial investments some of the information provided assumes a background knowledge on the topic that is beyond the scope of this wireframe.

Design Decisions:

- Each page has a way to return to the previous page unless it is a navigation page in the menu at the bottom of the app. If the page is focused on an update, create, or delete operation then a cancel option is available to allow the user to change their mind if desired.
- Content is layed out so that users understand what page they are on from the main page header and they can easily skim the page to find the section they want to be on if desired to aid in finding information quickly.
- Floating Action Buttons (FAB) are shown on specific pages where there is a primary action to be taken on that page to update the content displayed.
- Testing with the prototype to be created next will help validate some of these decisions and allow the design to be improved through iteration.

Sign In

Includes a link to switch to the sign-up screen if they do not have an account. Contains a simple form with the user's email and password.

Stonks Academy
TRADING SIMULATOR

Sign In

Email

Password

Sign In

Don't have an account? Sign Up Here

Welcome Screen

Welcomes the user to the app.

Tutorial or Explore

It offers the user the option to go through an app tutorial or explore the app independently. If Explore is selected, it takes the user to the app dashboard. This allows advanced users to skip the tutorial if they don't need it.

Tutorial

Opens a video of a guided tutorial of the app. When finished takes the user to the app dashboard to begin use of the app.

Sign Up / Register

Includes a link to switch to the sign-in form if they have an account. Contains an name, email, password, and confirm password form.

Stonks Academy
TRADING SIMULATOR

Create An Account

Name

Email

Password

Confirm Password

Create Account

Already have an account? Sign In Here

Stonks Academy
TRADING SIMULATOR

Thanks for joining us!

Get ready to put your investment skills to the test on our one of a kind trading simulator.

Tutorial

Explore On My Own

Dashboard

This is the central hub of the app, it will show the two most recent "Studies", and favorited live screeners with links to all of the other portions of the app shown.

Search Functionality

When the search input is focused the search bar floats to the top of the screen and a screen with stock matching the search term are shown. When clicked on the single stock view is shown.

Dashboard

Studies →

Lorum Ispusm — May 15, 2015 — 15.30 % ↑

Dolor Emit — Dec 12, 2018 — -4.33 % ↓

+ New Study

Screeners →

Dolor Emit ● Live

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%

Dolor Emit ● 2022-04-05

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%

Search Stocks

Dashboard Studies Screener Learn Account

Studies

A user may want to test multiple stock trading strategies independently of each other so the idea of "Studies" is that each "Study" will have a scoped brokerage account and start date. A user will be able to fast-forward or rewind the date to learn how their strategies perform in different market conditions. The user will also be able to import their saved screening configurations or create new ones within the study. All stock searches, charts, and data will exist as if it is the date configured.

View All Studies

Shows all saved studies

Studies

Lorum Ispusm — May 15, 2015 — 15.30 % ↑

Dolor Emit — Dec 12, 2018 — -4.33 % ↓

Lorum Ispusm — May 15, 2015 — 15.30 % ↑

Dolor Emit — Dec 12, 2018 — -4.33 % ↓

Lorum Ispusm — May 15, 2015 — 15.30 % ↑

Dolor Emit — Dec 12, 2018 — -4.33 % ↓ +

Dashboard Studies Screener Learn Account

Add Icon

When the add FAB is tapped the "Create Study" page is shown to allow the user to create a new study.

Study Dashboard

Contains the performance metrics, brokage account info, and all other information about the "Study". Links to individual stock pages, screener pages, and the date forward and rewind buttons are shown.

← Back

Study

Performance Chart

Yesterday Tomorrow

Portfolio

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%

Screeners

Dolor Emit

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%

Search Stocks

Dashboard Studies Screener Learn Account

Create Study

Allows the user to create a "Study" by specifying the broker account type such as a cash or margin account, if the PDT rule is applied, the starting account balance, and the start date for the study and the title. This is also where screeners are added to the study from already saved screeners or they can create a new one. Clicking "Save" or "Cancel" will take the user back to the "Study" page.

Create Study

Name

Brokerage Account

Account Type — Margin

Start Amount — $ 5,000.00

☐ Pattern Day Trader

Time Configuration

Start Date — 2008-04-18

Skip Interval — 1 Day

Screeners

Lorum Ipsum

+ New Screener

Cancel Save

Dashboard Studies Screener Learn Account

Edit Study

Allows the user to edit a "Study" by updating the information found in the "Create Study" page with the addition of a reset feature to set the study back to its original state. Clicking "Save" or "Cancel" will take the user back to the "Study" page.

Edit Study

Name — Lorum Ispusm

Brokerage Account

Account Type — Margin

Start Amount — $ 5,000.00

☐ Pattern Day Trader

Time Configuration

Start Date — 2008-04-18

Skip Interval — 1 Day

Reset Study

Screeners

Lorum Ipsum

+ New Screener

Cancel Save

Dashboard Studies Screener Learn Account

Search Functionality

Functions similarly to the Dashboard search feature except it only shows stock on that configured date.

Pencil Icon

When the pencil FAB is clicked the "Edit Study" Page is shown to allow the user to edit the study information.

Screener

Allows the user to select from saved stock screening filters, and decide to use a historical screener as if it is a specific date or a live screener. If you tap on a stock ticker it takes you to the stock page.

Screeners

Dolor Emit ● Live

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%

Dolor Emit ● 2022-04-05

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%

Dolor Emit ● 2022-04-05

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%

Dashboard Studies Screener Learn Account

Add Icon

When the add FAB is clicked the "Configure" page is shown to create a new screener.

← Back

Screenner ● Live

Dolor Emit

Ticker	P/L	P/L %
AAPL	+$3.56	+2.06%
MSFT	-$2.98	-3.74%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%
TSLA	+$50.08	+20.98%

Dashboard Studies Screener Learn Account

Configure Screener

Allows the user to choose what filter options are applied to a screener and save it or save edits if it was already created. Clicking "Save" or "Cancel" will take the user back to the "Study" page.

← Cancel

Configure

Name

Filters

Stock Price — $ 12.22 — $ 18.22

Market Cap — $ 1.25M — $ 2.60T

+ Add Filter Save

Dashboard Studies Screener Learn Account

Pencil Icon

When the pencil FAB is clicked the "Configure" Page is shown to allow the user to edit that screeners filters.

Single Stock View

Shows all of the information about a stock such as it's chart on the date selected or live if chosen, performance information on the stock, and link place a trade if in a "Study"

← Back

AAPL

Stock Chart

Fundamentals

PE Ratio: 27.25	Market Cap: 2.5 T
EPS: 5.9	Beta: 1.3
Avg. Volume: 69,639,145	52 Week Range: $124.17 - $179.61

Trade

Dashboard Studies Screener Learn Account

Trade View

Show the interface to place a trade for a given stock. A view of the stock chart is shown to aid in order placement decisions.

← Back

Trade AAPL

Stock Chart

Buy Sell

Order Type — Limit

Limit Price — $ 5.00

Shares — 2

Place Order

Dashboard Studies Screener Learn Account

Order Confirmation

When the trade order is placed this screen is shown to confirm the information to the user. Clicking "Continue" will take the user back to the "Single Stock" view.

Order Placed

Ticker: AAPL	Order Date: 2015-05-08
Status: Filled	Avg. Fill Price: $ 163.25
Shares: 5	Total Market Value: $ 816.25

Continue

Dashboard Studies Screener Learn Account

Learn / Course Page

Displays all of the learning materials available and specific courses with videos if one is selected.

Learn

Search

Lorum Ipsum — 3hr
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam maximus accumsan ex, non luctus nisl.

Lorum Ipsum — 3hr
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam maximus accumsan ex, non luctus nisl.

Lorum Ipsum — 3hr
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam maximus accumsan ex, non luctus nisl.

Dashboard Studies Screener Learn Account

← Back

Lorum Ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam maximus accumsan ex, non luctus nisl. In at tellus volutpat, egestas odio id, mollis diam. Ut non ullamcorper sem. Aliquam mattis quam in ex tempus, non consequat est facilisis.

Phasellus non metus hendrerit, interdum lorem sit amet, imperdiet elit. Nunc nibh ex, lacinia nec.

Lorum Ipsum
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam maximus accumsan ex, non luctus nisl.

Dashboard Studies Screener Learn Account

Account Settings

Displays all of the user information about their account such as their account status (Free or Pro), name, email,, etc.

Account

Name
Lorum Ipsum

Email
lorum.lpsum@example.com

Subscription
Stonks Pro

Edit Account

Dashboard Studies Screener Learn Account

Update Account Information

Allows the user to update their email, password, etc. or link to deleting their account. If they have Pro the "Downgrade Account" link goes to the downgrade page. If they only have free then it will take them to the upgrade page.

Edit Account

Name — Lorum Ipsum

Email — lorum.lpsum@example.com

Change Password

Downgrade Account

Delete Account

Cancel Save

Dashboard Studies Screener Learn Account

Upgrade to Pro

Markets the Pro subscription and then walks them through the process if they choose to upgrade.

Upgrade to Pro!

Stonks Academy
TRADING SIMULATOR

Aliquam dictum iaculis porta. Pellentesque vel leo quis dolor malesuada hendrerit et in magna. Suspendisse potenti:

- In metus justo, auctor eget leo ut, sagittis feugiat massa.
- Phasellus a quam quis libero consequat commodo.
- Nulla nisi massa, viverra varius diam eget, consectetur iaculis purus. Vestibulum quis ex vel ex dignissim imperdiet.

Cancel Upgrade!

Dashboard Studies Screener Learn Account

Downgrade to Free

Tries to motivate the user to keep a pro subscription but if they choose not to they can downgrade.

Downgrade

Stonks Academy
TRADING SIMULATOR

Aliquam dictum iaculis porta. Pellentesque vel leo quis dolor malesuada hendrerit et in magna. Suspendisse potenti:

- In metus justo, auctor eget leo ut, sagittis feugiat massa.
- Phasellus a quam quis libero consequat commodo.
- Nulla nisi massa, viverra varius diam eget, consectetur iaculis purus. Vestibulum quis ex vel ex dignissim imperdiet.

Cancel Downgrade

Dashboard Studies Screener Learn Account

Delete Account

Allows the user to delete their account if desired.

Delete Account

Aliquam dictum iaculis porta. Pellentesque vel leo quis dolor malesuada hendrerit et in magna. Suspendisse potenti:

- In metus justo, auctor eget leo ut, sagittis feugiat massa.
- Phasellus a quam quis libero consequat commodo.
- Nulla nisi massa, viverra varius diam eget, consectetur iaculis purus. Vestibulum quis ex vel ex dignissim imperdiet.

Cancel Delete Account

Dashboard Studies Screener Learn Account