

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
TYLER DIVISION**

PUBLISHING TECHNOLOGIES LLC

Plaintiff,

vs.

CHARLES SCHWAB & CO., INC.

Defendant.

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Case No:

JURY TRIAL DEMANDED

COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Publishing Technologies, LLC (“Plaintiff” or “PT”), by and through its attorneys, files this Complaint against Charles Schwab & Co., Inc. (“Defendant” or “Schwab”) for infringement of United States Patent Nos. 7,908,342 (“the ‘342 Patent”).

PARTIES AND JURISDICTION

1. This is an action for patent infringement under Title 35 of the United States Code. Plaintiff is seeking injunctive relief as well as damages.

2. Jurisdiction is proper in this Court pursuant to 28 U.S.C. §§ 1331 (Federal Question) and 1338(a) (Patents) because this is a civil action for patent infringement arising under the United States patent statutes.

3. Plaintiff is a Texas limited liability company with its office located at 825 Watters Creek Blvd., Bldg. M, Suite 250, Allen, TX 75013.

4. Upon information and belief, Defendant is a Delaware corporation with a place of business at 211 Main St., San Francisco, CA 94105 and has appointed The Corporation Trust Company as its registered agent for service of process. This Court has personal jurisdiction over

Defendant because Defendant has committed, and continues to commit, acts of infringement in this District, has conducted business in this District, and/or has engaged in continuous and systematic activities in this District.

5. Upon information and belief, Defendant's instrumentalities that are alleged herein to infringe were and continue to be used, imported, offered for sale, and/or sold in this District.

VENUE

6. On information and belief, venue is proper in this District pursuant to 28 U.S.C. § 1400(b). Acts of infringement are occurring in this District and Defendant has a regular and established place of business in this District. For instance, Defendant has places of business at 2775 S Central Expy #140, McKinney, TX 75070 and 726 W SW Loop 323 #726, Tyler, TX 75701. On information and belief, Defendant has other regular and established places of business in this District.

COUNT I

(INFRINGEMENT OF UNITED STATES PATENT NO. 7,908,342)

7. Plaintiff incorporates paragraphs 1 through 6 herein by reference.

8. This cause of action arises under the patent laws of the United States and, in particular, under 35 U.S.C. §§ 271, *et seq.*

9. Plaintiff is the owner by assignment of the '342 Patent with sole rights to enforce the '342 Patent and sue infringers.

10. A copy of the '342 Patent, titled "Method, apparatus and system for management of information content for enhanced accessibility over wireless communication networks," is attached hereto as Exhibit A.

11. The '342 Patent is valid, enforceable, and was duly issued in full compliance with

Title 35 of the United States Code.

12. Upon information and belief, Defendant has infringed and continues to infringe one or more claims, including at least Claim 17, of the '342 Patent by making, using, importing, selling, and/or offering for sale an online trading platform and system, which is covered by one or more claims of the '342 Patent. Defendant has infringed and continues to infringe the '342 Patent directly in violation of 35 U.S.C. § 271.

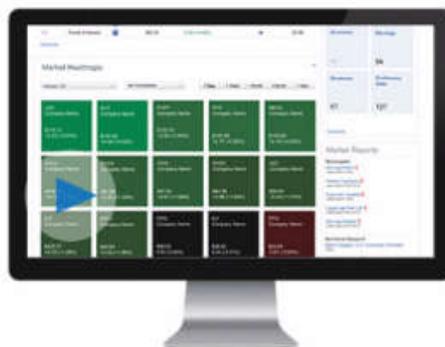
13. Regarding Claim 17, Defendant provides an apparatus for use in managing information content in a network-based communication system. For example, Defendant provides an online trading platform ("Product") that is implemented using at least one server used in managing information content. The server is connected to the Internet, through which it communicates with computing clients such as customers' computers and mobile smartphone/tablet devices. Certain aspects of the foregoing are illustrated in the screenshots below.

Spend less effort searching for ideas and more time acting on them with the intuitive online trading tools that are a part of Schwab Trading Services.

Web trading on Schwab.com

Schwab.com's Trade Source experience delivers data and news relevant to your portfolio, provides you with potential trade ideas based on your criteria, and includes powerful trading tools—all in a single destination. And with the Schwab Mobile app, you get a seamless trading experience featuring many of the same signature tools found in Trade Source.

Track your Portfolio
Monitor the Market
Find Trade Ideas
Take Action



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Schwab Trading Tools Demo

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http://www.schwab.com/public/schwab/active_trader/trading_tools/web_trading

Trading Tools

Trading Software

Find Opportunities

Research & Analyze

Place Trades

Risk Management

Account Management

Customize Platform

Access Over Web

Web Trading

Mobile Trading

Execution Quality

Trading Software: Research and Analyze

Print

Recognizing and validating potential trade opportunities can be a challenge. That's why StreetSmart Edge's enhanced research and stock analysis features help give you more ways to make faster, informed decisions.



Advanced Stock Charting

- Quickly identify potential trade opportunities.
- Create multiple charts of the same stock for real-time analysis.
- Use built-in crosshairs to zero in on chart data specific to a day and time.

Let's chat
Professional answers 24/7

Hi, have questions about our trading services or tools? I can help ...



Chart Pattern Recognition

- Receive pattern-based strategy ideas and decision support.
- Find patterns intraday up to 5 years in the past.
- Set up pattern-based alerts to monitor your portfolio or watch list.

#	Symbol	News	Last Trade	Change	% Cha
1	AAPL		123.12	+3.05	+
2	AXP		77.21	+0.87	+
3	BA		144.43	+1.63	+
4	CAT		87.41	+0.73	+
5	CSCO		27.20	+0.29	+
6	CVX		84.74	+1.05	+

Watch List

- Monitor the securities that matter to you, whether it's with your pre-defined or custom watch lists, or your dynamically updated account positions.
- Easily save your Screener Plus results as a custom watch list.

HD \$116.19 ▲ 0.26% Home Depot Inc

Summary | Earnings | Ratings | Metrics

Schwab Equity Rating: ★★★★★ **Home Depot Inc**

Profile: 2401 Riverchase Dr N., Atlanta, GA 30328-1609
www.homedepot.com | Phone: 1-770-433-8221

Overview: Market Cap: 246.0B, Market Cap Class: Large, Enterprise Value: 242.0B, Beta: 1.00, Dividend Yield: 1.88%, Payout Ratio: 0.28

Business Summary (10/29/2017): The Home Depot, Inc. (The Home Depot) is home improvement retailer. The Home Depot is a home improvement retailer that provides a wide range of building materials, home improvement products, and services. The Home Depot also provides approximately 1,000,000 square feet of retail space, with approximately 24,000 additional square feet of retail space under development. The Home Depot's primary customers are do-it-yourself (DIY) customers and professional customers. As of December 31, 2016,

Trading Research

- Get a well-rounded view of a company with convenient access to fundamental data including a business summary, a list of executives, and sector/industry information.
- View key metrics including earnings, dividends, ratings, short interest, and more.

Symbol	Open	Close	High	Low	Volume	Market Depth
MSFT	112.00	112.00	112.00	112.00	1000	
GOOGL	540.00	540.00	540.00	540.00	1000	
AMZN	175.00	175.00	175.00	175.00	1000	
FB	120.00	120.00	120.00	120.00	1000	
APPL	120.00	120.00	120.00	120.00	1000	



Stock Symbol Hub

- Key tools are organized within a single window of the platform.
- Tools in Symbol Hub update simultaneously when you enter a new symbol.
- Switch your view between research and live data with a single click.

#	Symbol	Score (%)	Score	Activity	Activity Rate	Net Value
1	AMP	31		363		89
2	AMP	4		157		13
3	BA	21		54		9
4	CAT	3		89		12
5	CCO	4		127		22
6	CVA	15		83		54
7	DD	15		86		52
8	DS	13		85		46

Momentum

- Use instant signals to better time your stock market entries and exits.
- View your data with customizable graphs or numerical formats.

MARKET EDGE®
Second Opinion® Weekly - XYZ Company (XYZ)
 Exchange: NYSE

Opinion

Opinion:	LONG	Date Opinion Formed:	12/08	Price Opinion Formed:	
Score:	8	C-Rate:	0.0		

Recommendation
 Stock is a Buy

Comment
 Moving Average Convergence/Divergence (MACD) indicates a Bullish Trend. Chart pattern indicates a Weak Upward Trend.

Market Edge®

- Easily view stock analysis and opinions, such as price and volume analysis, as well as moving average and technical analysis for nearly 5,000 stocks.
- Sync Market Edge to your trading tools to align your trades with your analysis.

http://www.schwab.com/public/schwab/active_trader/trading_tools/trading_software/research_analyze

14. The Product’s servers have processing elements comprising a processor coupled to a memory. The Product’s servers, for example, execute instructions in response to user requests for content, order placement and dashboard configuration using a processor. Further, the Product’s servers comprise a volatile memory (such as RAM) used for executing the instructions using the processor. Further, the Product’s servers also comprise a non-volatile memory that stores user preferences, order history, dashboard and portfolio information. Certain aspects of the foregoing are illustrated in the screenshots below.

View more Schwab.com trading features

Market Information

Monitor orders, major domestic and international indices, your watch lists, and advancers and decliners.

View more Schwab.com trading features

Fundamental Data

View a company's revenue and earnings information, current and historical dividend information, including key dates, frequency, yield, and more.

Non-GAAP EPS (TTM)	\$4.32	P/E (TTM)	24.30	Next Earnings Announcement	05/19/2015
Earnings Yield (TTM)	4.12%	P/E (Forecast FYF)	21.94	Time of Release	Before Market Open
				EPS Change (MRQ vs Prior Year)	43.99%
				Revenue (MRQ)	19,160
				Revenue Change (MRQ vs Prior Yr)	8.26%
				Consensus Estimate (Q1 2016)	\$1.14

View more Schwab.com trading features

Options Chains

View underlying options data for stocks and ETFs including an expanded options chain, underlying chart data, and put/call ratios.

The screenshot displays the 'Option Chains' interface. At the top, there are filters for 'Strategy' (Call & Put), 'Expiration' (All), and 'Strike' (8 Strikes). Below this, there are tabs for 'Calls & Puts', 'Calls', and 'Puts'. The main area shows a table of options data. The table has columns for 'Action', 'Bid', 'Offer', 'Volume', 'Bid', 'Ask', 'Change', 'Bid', 'Ask', 'Bid', 'Ask', 'Change', 'Volume', 'ID', and 'Buy'. The data is organized by expiration date, with sections for Dec 16, 2016 (8 days to expiration), Nov 18, 2016 (12 days to expiration), Nov 19, 2016 (13 days to expiration), Nov 20, 2016 (14 days to expiration), Nov 21, 2016 (15 days to expiration), Dec 01, 2016 (35 days to expiration), Dec 16, 2016 (50 days to expiration), Dec 19, 2016 (53 days to expiration), Dec 20, 2016 (54 days to expiration), and Feb 16, 2017 (107 days to expiration).

View more Schwab.com trading features

Screeners

Scan the market and filter for potential trading opportunities with pre-defined and customizable screeners for stocks, ETFs, and options.

The screenshot displays the 'Predefined Screens' interface. It lists four screeners with their respective match counts and new matches in the last 7 days:

- Schwab "A" Ratings**: 43 Matches, 8 new matches in last 7 days
- Top Analyst Ratings**: 8 Matches, 1 new matches in last 7 days
- Near Price Highs**: 235 Matches, 81 new matches in last 7 days
- Growth at Reasonable Price**: 7 Matches, 0 new matches in last 7 days

View more Schwab.com trading features

Commentary

Get current market perspectives and receive guidance for a variety of trading strategies with Schwab's expert insights.

7 Ways to Adapt Your Trading in Volatile Markets

By **Randy Frederick** · August 24, 2015

Key Points

- Recent market moves—both up and down—can be unsettling for traders.
- On the one hand, you know there are opportunities out there. On the other hand, it can be punishing if your strategy proves wrong or ill timed.
- Here are seven key steps to keep your trading on track.

When markets go on a wild ride, it's understandable to feel uneasy. As a trader, volatility—how much a stock's price can change in value—can sometimes be your friend, allowing you to buy and sell stocks at target prices more quickly than if the market were flat. Such volatility, however, can also be punishing if your strategy proves wrong or ill timed.

Short-term pullbacks in a long-term uptrend

Emotional reactions to news events, policy changes and geopolitical turmoil can cause unsettling downturns. For example, volatility in the currency exchange rate and political uncertainty in 2015, has resulted in one of the longest pullbacks in the market's history.

View more Schwab.com trading features

Portfolio Information

Make sense of what's going on in your accounts with key information about your balances and positions, as well as specific buying power details.

Portfolio Markets Ideas

All Brokerage Accounts

Account Balances

Total Account Value

- Total Cash & Cash Investments
- Total Market Value

Total Gain/Loss

Account Name	Number	Account Value	Day Change \$ %
Rollover IRA		\$523,000.82	+\$6,642.11 ↑
Individual		\$176,014.55	-\$28.04 ↓

[Disclosures](#)

http://www.schwab.com/public/schwab/active_trader/trading_tools/web_trading

Access StreetSmart Edge® Over the Web



Cloud technology provides a way for traders to experience our premier software-based trading platform over the web.

Get 500 commission-free online equity and options trades for two years.

[Learn More](#)

Overview



Software performance, web convenience

Take advantage of the cloud version of StreetSmart Edge for convenient web access to Schwab's most advanced and intuitive desktop trading application.



A new level of control for web traders

Experience web trading with all the advantages of our very best trading software. Create and edit multiple layouts. Customize tools and move them around. Expand the platform to multiple monitors. All with streaming, real-time data.



Works on a Mac and a PC

Don't limit your trading experience due to hardware compatibility issues. StreetSmart Edge in the cloud is accessed and used entirely over the web using a Mac or PC computer.



Access your trading anywhere

Schwab uses innovative cloud-based technology to run StreetSmart Edge from Schwab's servers, instead of on your computer. Access through Schwab.com means that you can get to your trading from home, work, or wherever.



Pick up where you left off

Your StreetSmart Edge in the cloud layout and tool preferences are saved automatically. So no matter how many computers you use, your custom settings are always exactly as you left them.

Need more information? View the System Requirements below.

http://www.schwab.com/public/schwab/active_trader/trading_tools/trading_software/access_over_web

Trading Software: Customize Platform

The flexible trading environment of StreetSmart Edge® grows with you, so as your skills or strategies change, you can add or modify the tool features to fit your evolving needs.



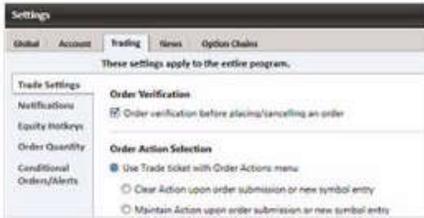
Customize Layouts

- Create and edit multiple layouts to support tool combinations for different trading tasks (for example one layout optimized for stocks and another for options).
- Drag layout containers to a different screen when using multiple monitors.



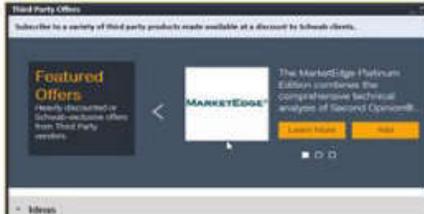
Tool Linking

- Link multiple sets of tools to follow the same security.
- When the security symbol is changed in one, all linked tool windows will update to the new symbol—so you see the data you want automatically.



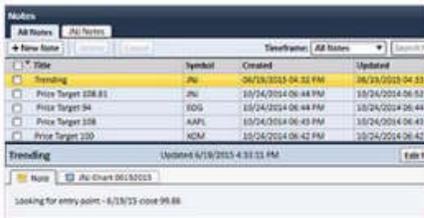
Settings

Make changes to StreetSmart Edge that apply to the entire platform or individual tools for more control over your trading platform's look and function.



Trader's Marketplace

- Access discounted third-party resources for decision support.
- Add your resources directly to your workflow.



Notes

- Use the notes to reference past insights as you work in tools such as Charts, Watch Lists, Screener Plus, Account Details, and more.
- Search your notes based on content or filter them based on time.



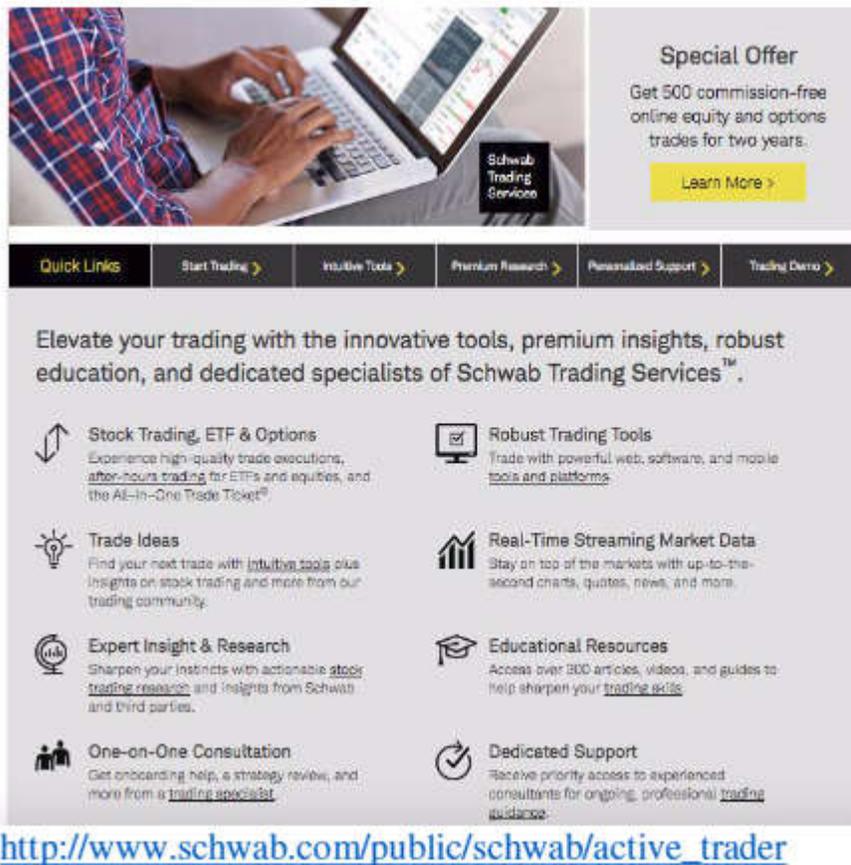
More Customizations

- Add tool window tabs.
- Use handy right-click and action menus.
- Use "Workspace Zoom" to magnify or reduce the platform to size tools to your preference.

http://www.schwab.com/public/schwab/active_trader/trading_tools/trading_software/customize_platform

15. The processors provide at least a portion of a content management website identified by a first uniform resource locator that can be accessed over the Internet using a web browser. For example, the Product's content management website is accessible to a user and is identified by the URL http://www.schwab.com/public/schwab/active_trader. The Product allows users to designate one or more stock symbols using the "full" website (the claimed "content management website") and add the stock symbols to one or more "watch lists." Once a stock symbol has been added to a watch list, a user clicks on the stock symbol via a hyperlink and accesses information associated with that stock symbol from external data sources, including but

not limited to news, quotes and analysis charts associated with the stock symbol. Only stock symbols designated by the user are added and accessible through such watch lists. Therefore, by designating one or more stock symbols to be added into watch lists on the Product's content management website, a user designates the external data sources that provide information including but not limited to news, quotes and analysis charts associated with that stock symbol. Certain aspects of the foregoing are illustrated in the screen shots below.



StreetSmart.com
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2:43 PM EDT [NEXT OPEN](#)

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[Charts](#)
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[Other Research](#)

Watch Lists allow you to monitor stocks with real-time streaming data. Click on a symbol to trade it and more. [Export](#) [Print](#) [Help](#) [A](#) [A](#) [A](#)

Watch List: StreetSmart [Add](#) [Edit](#) [Delete](#)
Add Symbol: AAPL [Add](#) [Symbol Lookup](#)
Add Group: [Add](#)

Symbol	News	Last	(\$)Chg	Bid	Ask	Open	Day's High	Day's Low	Volume	Description
MSFT		53.37	-0.32	53.36	53.38	53.54	53.77	52.66	26,333,300	MICROSO...
INTC		34.28	-0.185	34.28	34.29	34.47	34.70	34.27	11,699,300	INTEL CO...
XOM		81.47	+0.38	81.45	81.48	81.31	82.58	81.25	6,700,500	EXXON M...
C		53.66	+1.05	53.66	53.67	52.86	53.71	52.71	8,387,200	CITIGRO...
GE		29.30	-0.1553	29.30	29.31	29.33	29.58	29.29	31,931,900	GENERAL...
PG		76.10	-1.19	76.05	76.10	77.39	77.54	76.06	5,474,600	PROCTE...
PFE		35.23	+0.24	35.21	35.23	35.23	36.07	35.14	22,812,000	PFIZER IN...
WMT		57.32	-0.16	57.32	57.34	57.66	57.72	57.32	5,326,600	WAL-MAR...
IBM		139.72	+1.86	139.72	139.78	137.92	141.22	137.50	5,616,900	IBM CORP
HD		122.55	-1.92	122.53	122.61	124.38	124.59	122.52	3,691,200	HOME DE...
QQQ		113.07	-0.01	113.07	113.08	113.25	113.66	112.73	17,326,200	POWERS...
DIA		176.13	+0.46	176.12	176.14	176.01	176.98	175.93	2,455,900	SPDR DO...
SPY		207.39	+0.79	207.39	207.40	207.00	208.47	208.66	55,742,000	SPDR S&...
SMH		55.10	+0.38	55.06	55.12	55.00	55.40	54.68	3,466,500	MKT VCT...
RTH		76.45	-0.53	76.34	76.39	77.08	77.08	76.45	31,900	MARKET...
OIH		30.27	+0.69	30.25	30.28	29.93	30.93	29.57	7,478,400	MKT VCT...
SWH		120.83	-0.6699	120.88	122.37	121.50	122.36	120.70	15,400	STANLEY...
EWJ		12.45	+0.05	12.45	12.46	12.44	12.53	12.42	17,423,300	ISHARES...
XLE		66.70	+0.91	66.70	66.71	66.25	67.70	65.72	11,403,300	ENERGY...
IWM		115.87	+2.07	115.85	115.87	114.14	116.59	113.92	35,404,300	ISHARES...

As your agreement for the receipt and use of market data provides, the securities markets (1) reserve all rights to the market data that they make available; (2) do not guarantee that data; and (3) shall not be liable for any loss due either to their negligence or to any cause beyond their reasonable control.

Level II & ECN [Full Level II & ECN](#)

Sym: AAPL Chg: 3.00 Chg%: +2.62% Open: 116.93 High: 118.13 Low: 116.06 Volume: 59,087,400

AAPL - APPLE INC

MMID	Bid	Size	MMID	Ask	Size	Price	Size	Time
arca	117.53	1	arca	117.56	2	117.53	117...	
arca	117.51	1	arca	117.57	2	117.5...	3	14:03
arca	117.50	4	arca	117.58	1	117.5...	(13)	14:03

Positions [Full Positions](#)

Sym	Position	Quantity	Current Price
Sub-Total			
Cash			
Total			

Indices

\$DJ 17,631.53 +58.10 +0.28%

\$COMPX 5,055.90 +25.75 +0.51%

\$SPX 2,075.00 +9.11 +0.44%

[Add Index](#)

Watch List

Charts

SYMBOL: AAPL [Chart](#)

Time Frame: 1 Day Frequency: 1 Minute [Full Chart](#)

Balances [Full Balances](#)

Account: [REDACTED]

Total Value: [REDACTED]

Cash: [REDACTED]

Available to Trade: [REDACTED]

Cash: [REDACTED]

Margin: [REDACTED]

[Full Balances](#) [Positions](#)

The screenshot displays the Schwab.com trading platform for Apple Inc. (AAPL). Key elements include:

- Quote Panel:** Shows AAPL at 117.55, up 2.62% from the previous close of 114.55. Volume is 56,950,920.
- Options Chain:** Lists various call options with expiration dates from 10/30/2015 to 11/20/2015.
- Options Table:**

Strikes	Symbol	Last Trade	Change	Bid	Midpoint	Ask
Calls Oct 30, 2015 (Weekly: 3 days)						
114.00	AAPL 10/30/2015 114.00 C	3.76	-0.26	3.70	3.75	3.80
115.00	AAPL 10/30/2015 115.00 C	2.83	-0.77	2.81	2.84	2.88
116.00	AAPL 10/30/2015 116.00 C	2.06	-0.89	2.01	2.03	2.05
117.00	AAPL 10/30/2015 117.00 C	1.35	-1.10	1.33	1.34	1.35
118.00	AAPL 10/30/2015 118.00 C	0.80	-1.21	0.80	0.81	0.82
119.00	AAPL 10/30/2015 119.00 C	0.43	-1.12	0.44	0.45	0.46
120.00	AAPL 10/30/2015 120.00 C	0.24	-1.00	0.23	0.24	0.24
121.00	AAPL 10/30/2015 121.00 C	0.13	-0.79	0.12	0.13	0.14
Calls Nov 6, 2015 (Weekly: 10 days)						
Calls Nov 13, 2015 (Weekly: 17 days)						
Calls Nov 20, 2015 (24 days)						
Calls Nov 27, 2015 (Weekly: 31 days)						
- Chart:** A 1-year options chart for AAPL showing price movement from October to November 2015.
- News Feed:** Lists recent news items such as "Reuters Insider - Trading at Noon: Apple up, Twitter down after results".

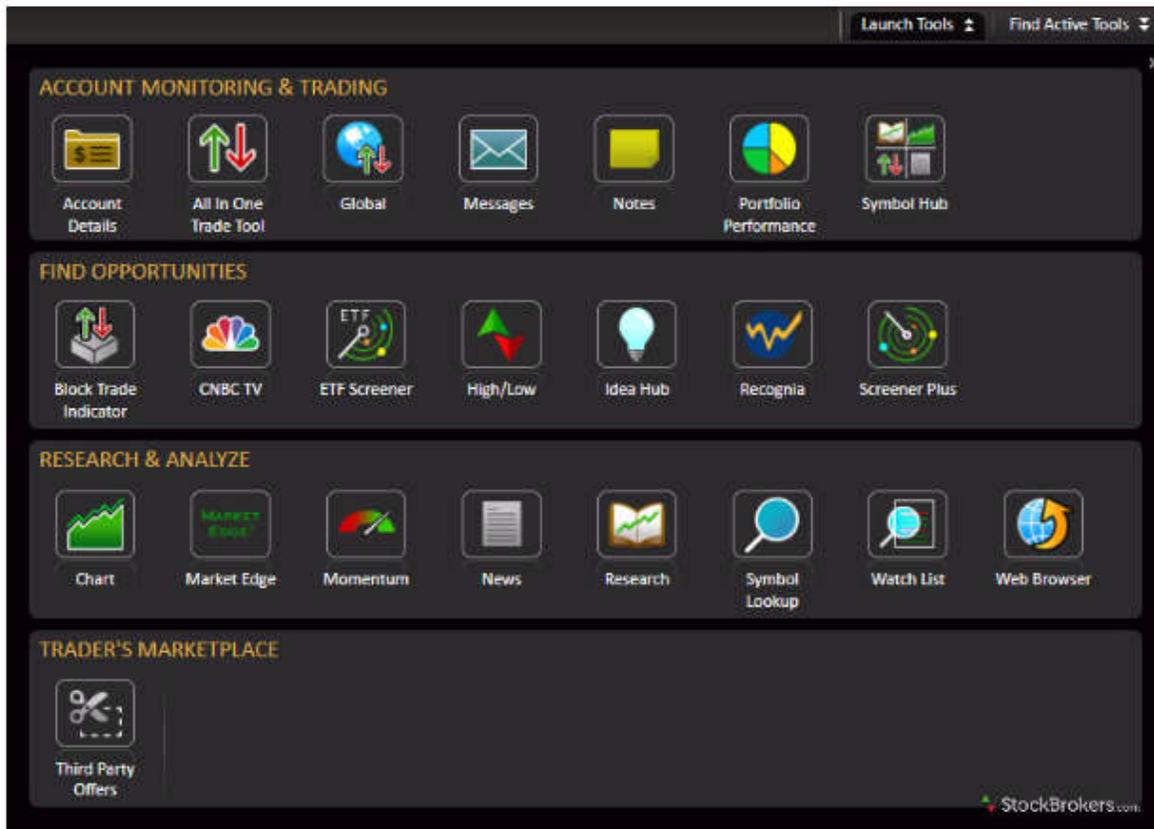
<https://www.stockbrokers.com/review/charlesschwab>

View more Schwab.com trading features

Proprietary and Third-Party Research

Gain additional perspectives on the markets with guidance from Schwab and independent firms. And for the stocks you're interested in, access our proprietary Schwab Equity Ratings® reports, plus buy-hold-sell recommendations from Market Edge® and Briefing.com.

<http://www.schwab.com/public/schwab/active-trader/trading-tools/web-trading>



<https://www.stockbrokers.com/review/charlesschwab>

#	Symbol	News	Last Trade	Change	% Cha
1	AAPL		123.12	+3.05	+
2	AXP		77.21	+0.87	+
3	BA		144.43	+1.63	+
4	CAT		82.41	+0.72	+
5	CSCO		27.20	+0.29	+
6	FVX		44.74	+0.64	+

Watch List

- Monitor the securities that matter to you, whether it's with your pre-defined or custom watch lists, or your dynamically updated account positions.
- Easily save your Screener Plus results as a custom watch list.

Summary	Earnings	Ratings	Metrics
Schwab Equity Rating*			
Outperform		Home Depot Inc	
2455 Paces Ferry Rd SE, ATLANTA, GA 30329-8834		www.homedepot.com Phone: 1-770-433-8211 Est. 1951	
Overview			
Market Cap	146.0B		
Market Cap Class	Large +		
Enterprise Value	140.0B		
Beta	1.06		
Shares Outstanding	1.3B		
Total Float	1.1B		

Trading Research

- Get a well-rounded view of a company with convenient access to fundamental data including a business summary, a list of executives, and sector/industry information.
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http://www.schwab.com/public/schwab/active_trader/trading_tools/trading_software/research_analyze

Access StreetSmart Edge® Over the Web



Cloud technology provides a way for traders to experience our premier software-based trading platform over the web.

Get 500 commission-free online equity and options trades for two years.

[Learn More](#)

Overview



Software performance, web convenience

Take advantage of the cloud version of [StreetSmart Edge](#) for convenient web access to Schwab's most advanced and intuitive desktop trading application.

http://www.schwab.com/public/schwab/active_trader/trading_tools/trading_software/access_over_web

Trading Software: Customize Platform

The flexible trading environment of StreetSmart Edge® grows with you, so as your skills or strategies change, you can add or modify the tool features to fit your evolving needs.



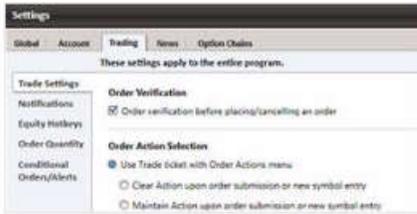
Customize Layouts

- Create and edit multiple layouts to support tool combinations for different trading tasks (for example one layout optimized for stocks and another for options).
- Drag layout containers to a different screen when using multiple monitors.



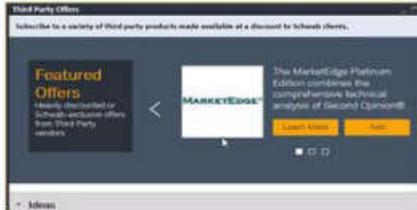
Tool Linking

- Link multiple sets of tools to follow the same security.
- When the security symbol is changed in one, all linked tool windows will update to the new symbol—so you see the data you want automatically.



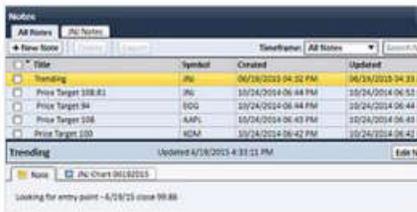
Settings

Make changes to StreetSmart Edge that apply to the entire platform or individual tools for more control over your trading platform's look and function.



Trader's Marketplace

- Access discounted third-party resources for decision support.
- Add your resources directly to your workflow.



Notes

- Use the notes to reference past insights as you work in tools such as Charts, Watch Lists, Screener Plus, Account Details, and more.
- Search your notes based on content or filter them based on time.



More Customizations

- Add tool window tabs.
- Use handy right-click and action menus.
- Use "Workspace Zoom" to magnify or reduce the platform to size tools to your preference.

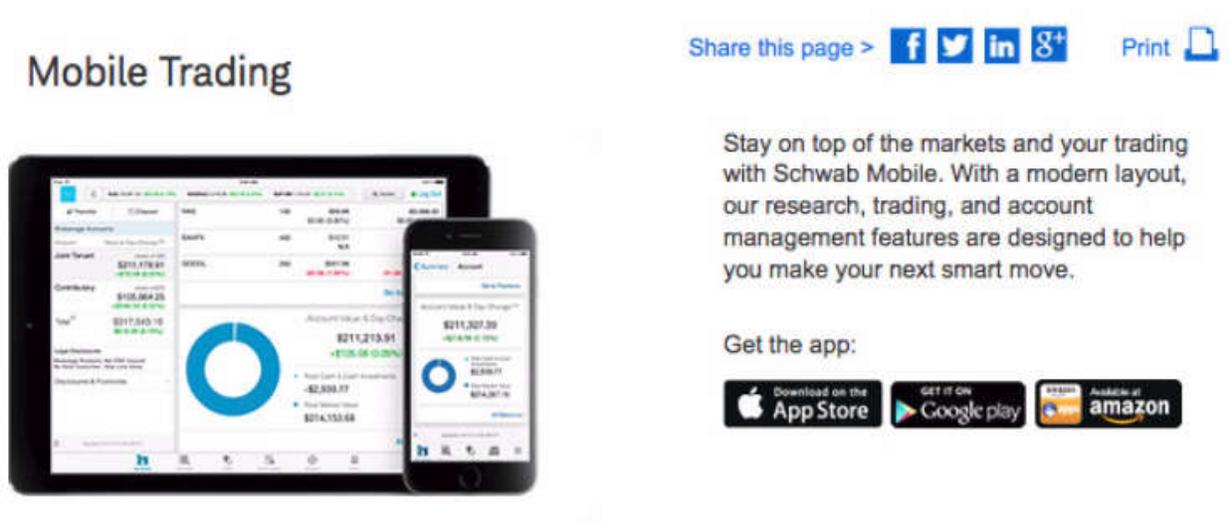
http://www.schwab.com/public/schwab/active_trader/trading_tools/trading_software/customize_platform

16. The processor also generates a mobile website identified by a second uniform resource locator different than the first uniform resource locator, the mobile web site being accessible independently of the content management web site via one or more mobile devices. For example, the Product's mobile trading platform (the claimed "mobile web site") is accessible via the URL

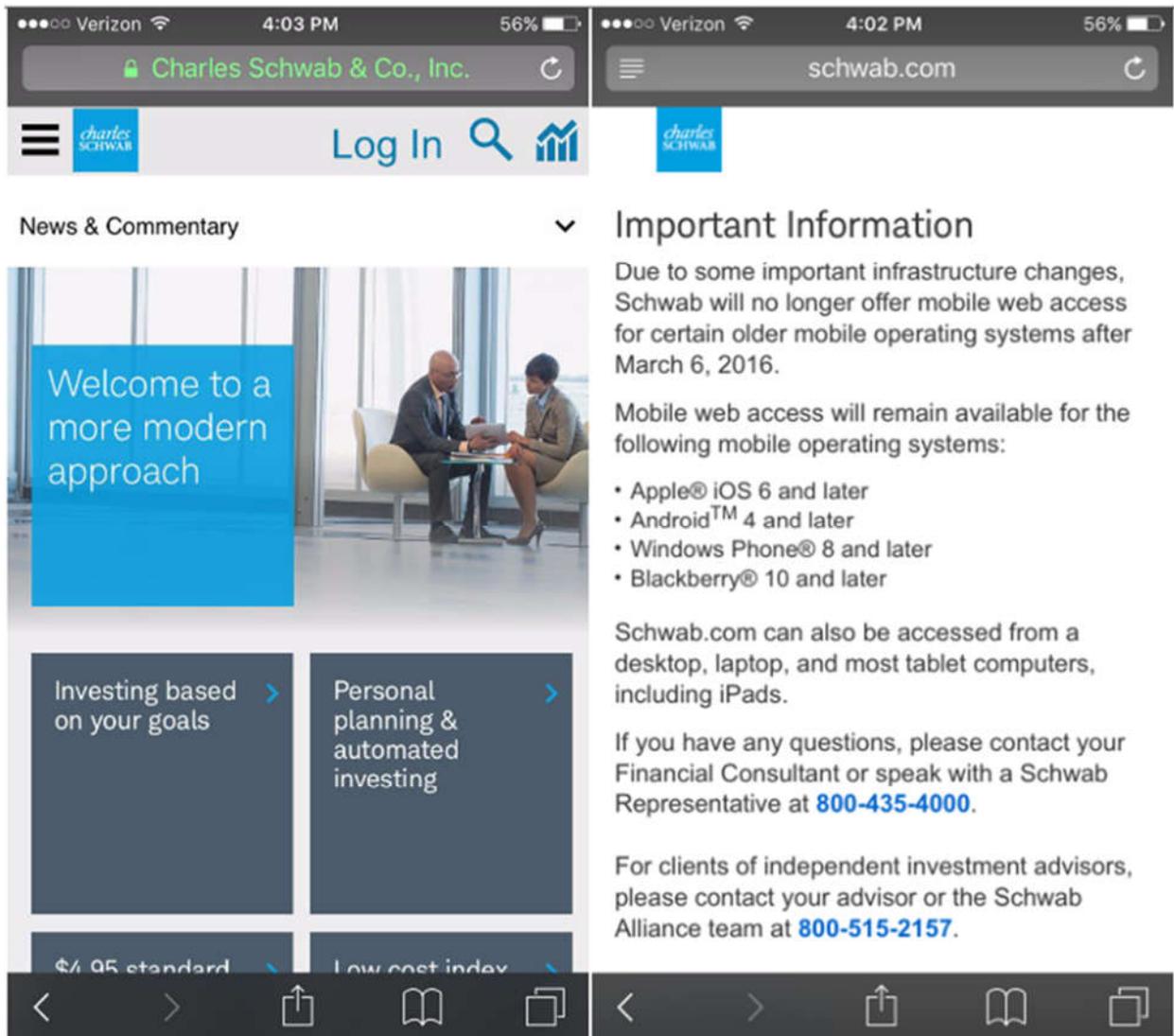
https://www.schwab.com/https://content.capitaloneinvesting.com/mgdcon/jump/srch/od/public/schwab/active_trader. This is distinct and easily distinguished from the "full" website (the claimed

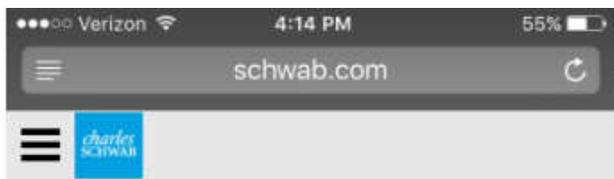
"content management website") accessible via the URL

http://www.schwab.com/public/schwab/active_trader. Users access the mobile web trading platform using a mobile browser application installed on their mobile devices. The Product’s mobile web trading platform is thus accessible independently of the “full” website. Further, the watch lists, stock symbols designated by the user to be added in the watch lists, and the information including but not limited to news, quotes and analysis charts associated with the designated stock symbols are also made accessible to the user via the mobile web trading platform (the claimed "mobile web site"). Further, the mobile web trading platform (the claimed "mobile web site") receives the information including, but not limited to, news, quotes and analysis charts associated with the designated stock symbols directly from the external data sources that provide the aforementioned information. These external data sources include at least one or more news publishers (for news and articles), stock exchange servers (for price quotes) and Defendant and/or third party servers that process and store historical prices and analyst research (for charts), each of which are external to the "full" website and external to the mobile web trading platform. Certain aspects of the foregoing are illustrated in the screenshots below.



http://www.schwab.com/public/schwab/active_trader/trading_tools/mobile_trading





Trade

View holdings. Trade stocks, ETFs, mutual funds, and options. Check the status of your orders.

Track

Stay in the know with real-time quotes, charts, news, and more.

Considering Schwab? Find out [what makes us different](#).

Schwab on Mobile Web

Manage your investments. Wherever you are.

The essentials for trading, tracking, and managing your investments are optimized for your smartphone and ready to use—everywhere you go.

In your phone's browser, visit www.schwab.com.

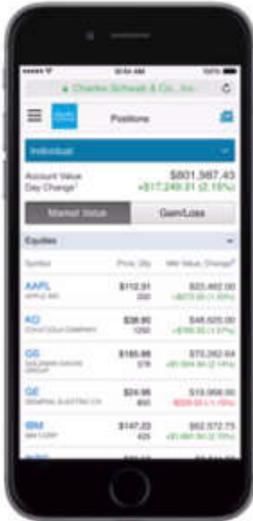
Research

Get quotes, news, charts, research, and analysis on stocks, ETFs, and Mutual funds.

Manage

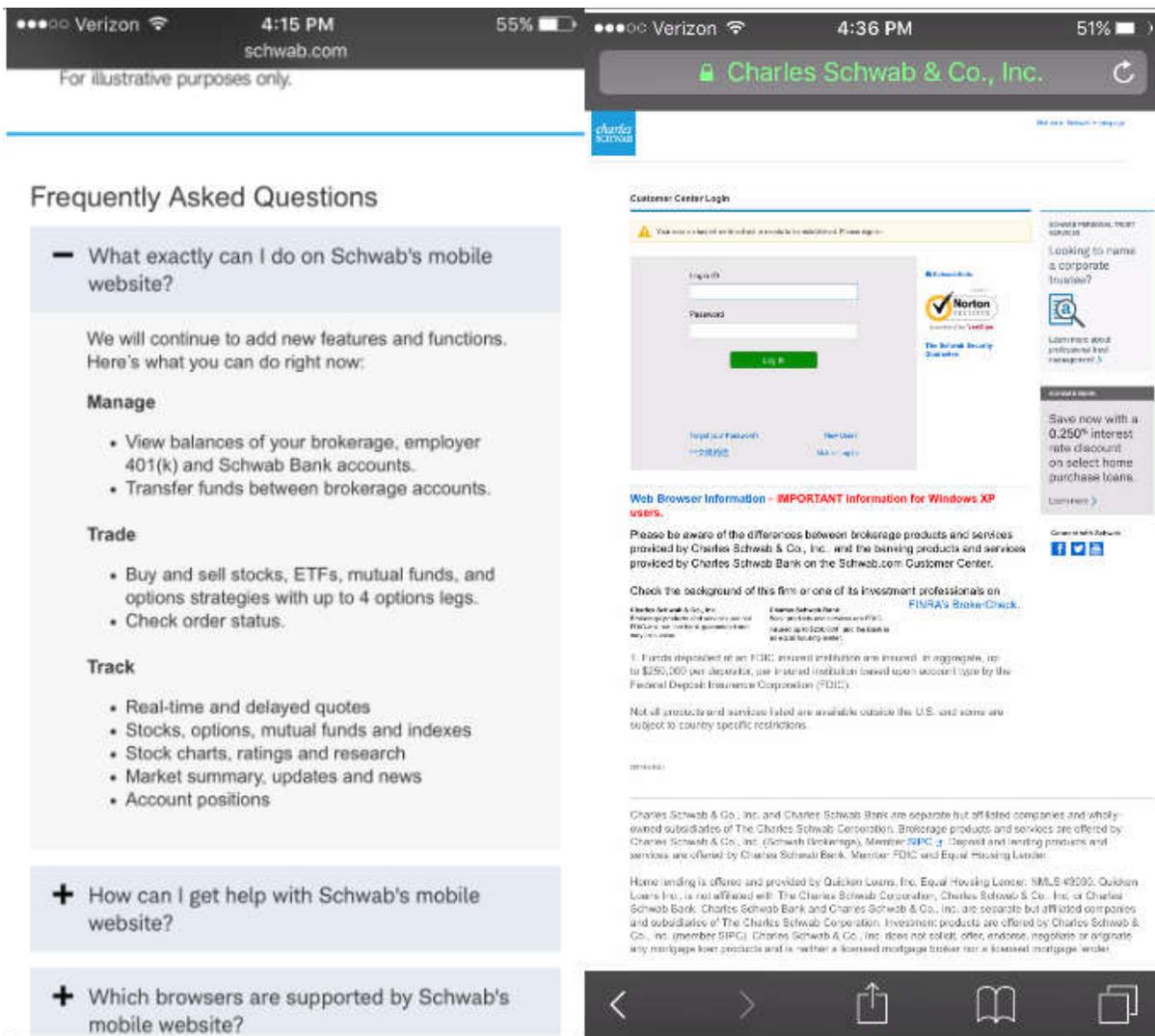
Keep an eye on balances for your brokerage, 401(k) accounts and Schwab Bank accounts.

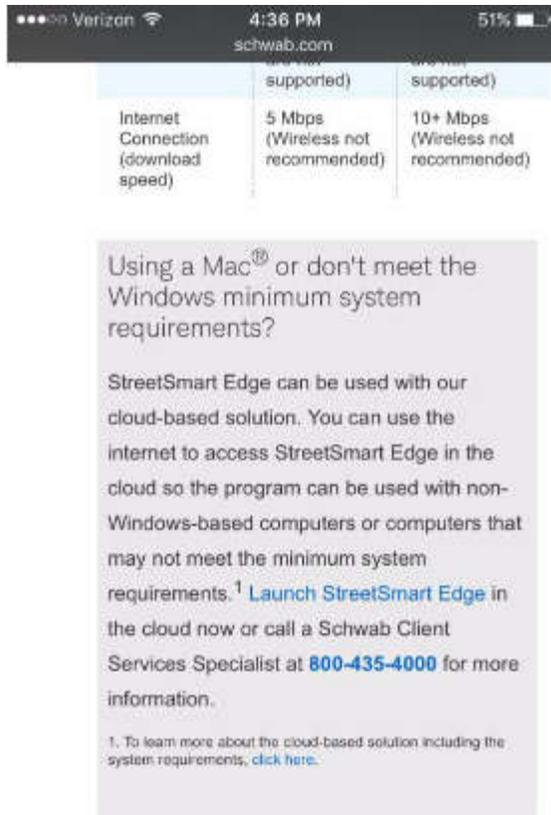
Trade



For illustrative purposes only.







Schwab rated "Best in Class"

17. Additionally, to the extent users access the trading platform not through the mobile web trading platform (using a mobile web browser installed on their mobile device), but instead through one of a plurality of mobile apps offered by Defendant, these mobile apps also practice the claim limitation under doctrine of equivalents. The mobile apps are applications that can be installed on a user's Android/iOS mobile device much like a mobile browser – and provide an interface for the user to view the same stock symbols and the associated information from external data sources as described above. Upon information and belief, the interface is generated at least in part using information received from the same URLs as the mobile web trading platform. Defendant offers at least the following such mobile apps each for Android and iOS mobile devices:

- Schwab Mobile for Android

(<https://play.google.com/store/apps/details?id=com.schwab.mobile>)

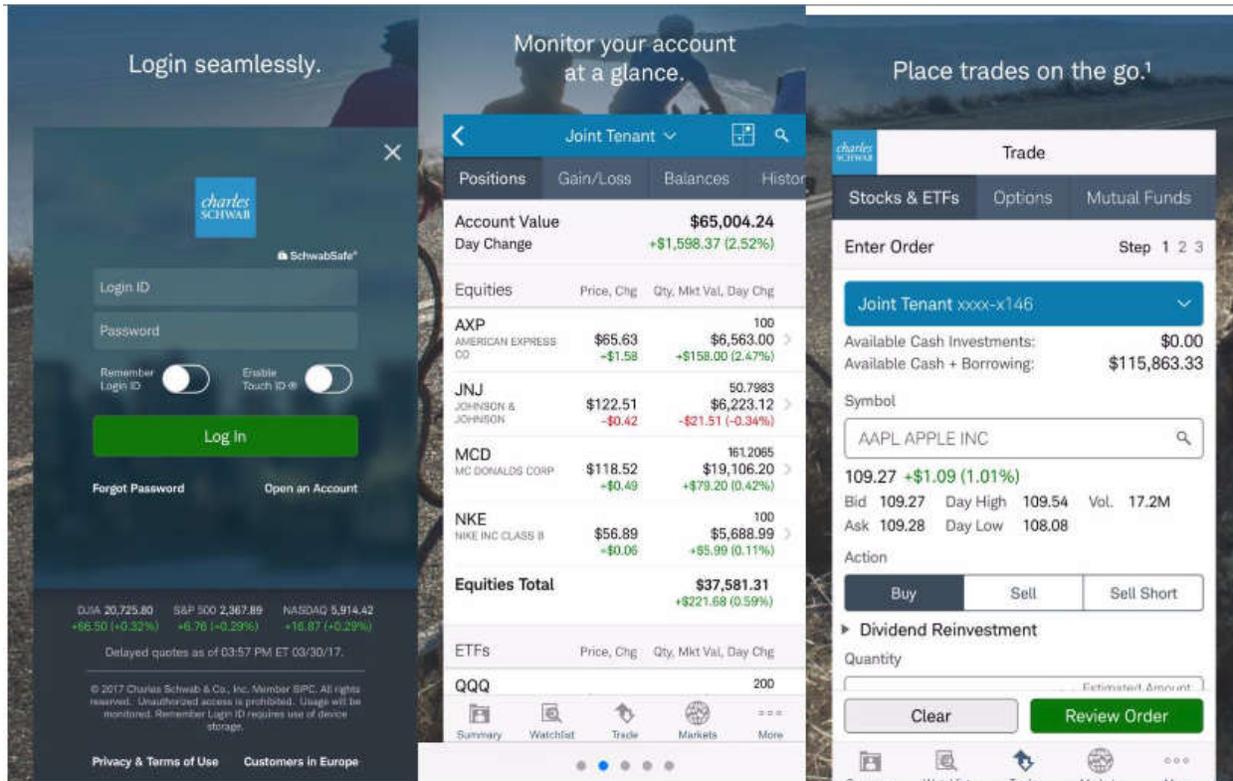
- Schwab Mobile: Amazon App for Android (Amazon Fire Stick and Kindle devices)

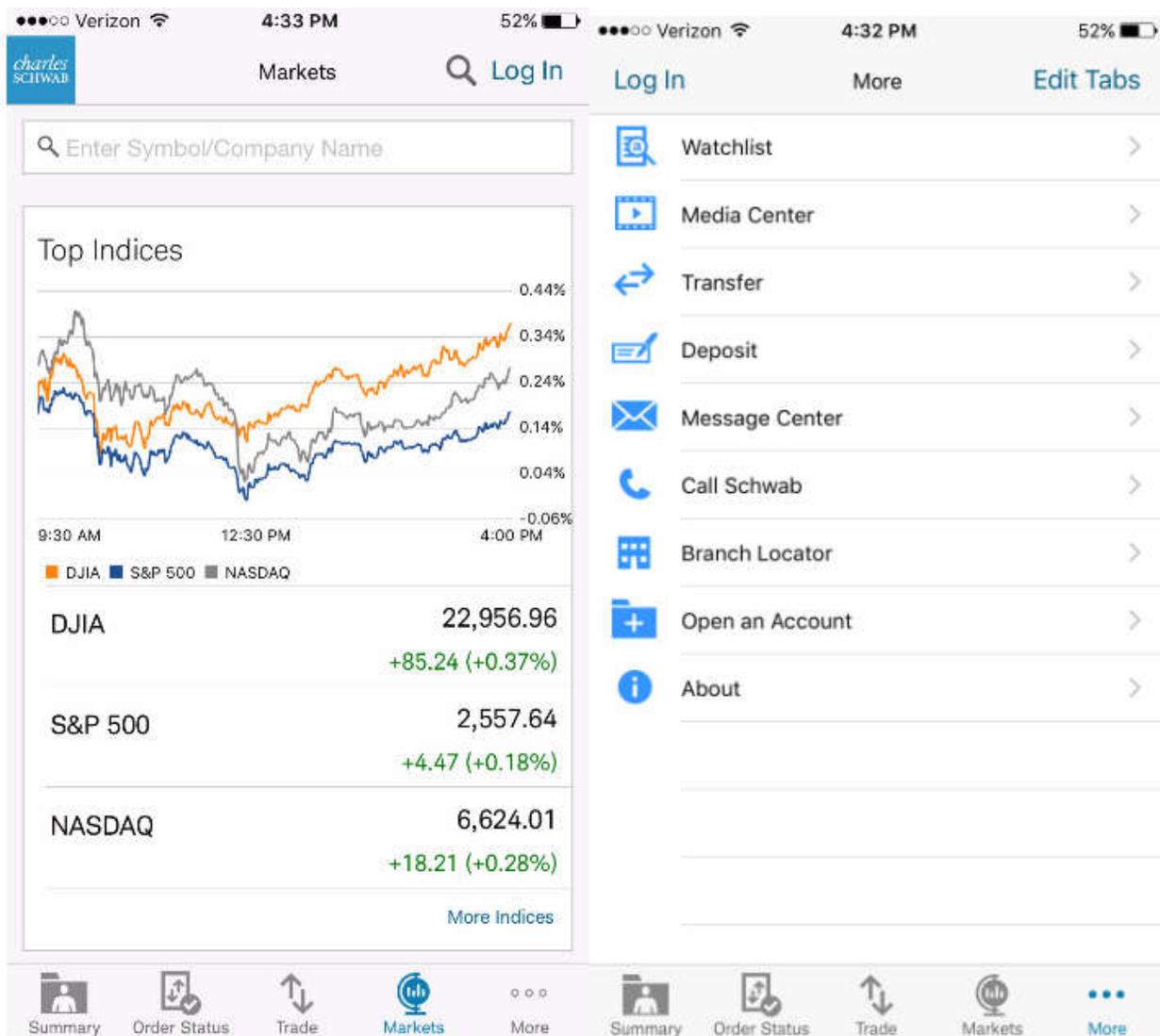
(https://www.amazon.com/Charles-Schwab-Co-Inc-Mobile/dp/B006M4BUBG/ref=sr_1_1?s=mobile-apps&ie=UTF8&qid=1333480414&sr=1-1)

- Schwab Mobile for iOS (iPhone, iPad, Apple Watch)

(<https://itunes.apple.com/app/schwab-mobile/id407358186?mt=8>)

The following screenshots from the Charles Schwab Mobile for iOS as an exemplary mobile app show the interface provided to the user for viewing stock symbols designated in one or more watch lists and the associated information such as news, quotes and charts received directly from external data sources.





18. Defendant’s actions complained of herein will continue unless Defendant is enjoined by this court.

24. Defendant’s actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Defendants are enjoined and restrained by this Court.

25. Plaintiff is in compliance with 35 U.S.C. § 287.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff asks the Court to:

(a) Enter judgment for Plaintiff on this Complaint on all causes of action asserted herein;

(b) Award Plaintiff past and future damages, costs, and expenses resulting from Defendant's infringement in accordance with 35 U.S.C. § 284;

(c) Award Plaintiff pre-judgment and post-judgment interest and costs; and

(d) Award Plaintiff such further relief to which the Court finds Plaintiff entitled under law or equity.

Dated: October 25, 2017

Respectfully submitted,

/s/ Jay Johnson

JAY JOHNSON

State Bar No. 24067322

D. BRADLEY KIZZIA

State Bar No. 11547550

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ATTORNEYS FOR PLAINTIFF

EXHIBIT A