

DOGTrade: A Pseudo-Stock Trading Webapp

Team Swaggy G

By Kelsey Lieberman, Daniel Camarena, George "Max" Young, Xinghan Chen

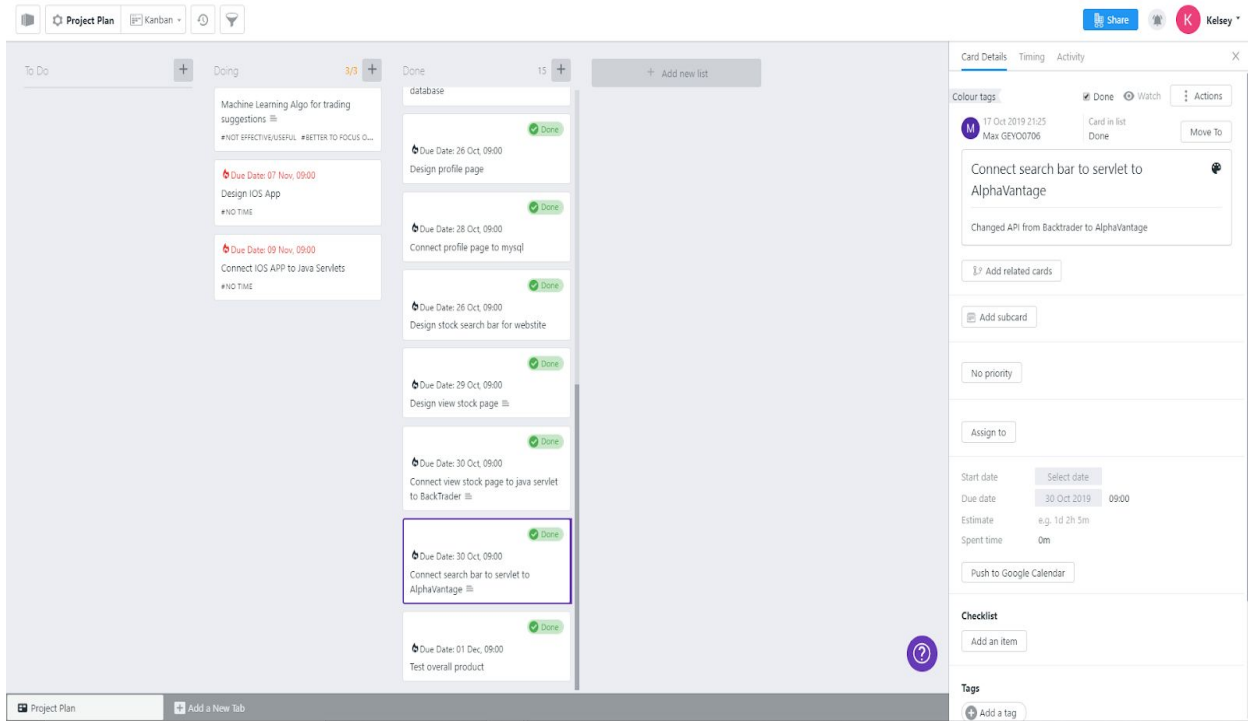
Project Description:

Our project was to create a pseudo-stock trading application where users can view and trade stocks using fake virtual capital. When a user creates an account, they are given \$10,000 in fake money. They can use this money to buy stocks and sell stocks that they already own. Users have a profile page where they can upload a picture of themselves and their name (entered in the signup page) displayed below their picture. They also have a section beneath their name where they can include a bio. The main purpose of the profile page is for users to view their account balance, the value of their portfolio, and the number of stocks they own. The profile page also contains a table displaying individual stocks owned by the user, the value of each stock, the quantity of each stock owned, and the total value of their investment in the individual stocks. At the top of the page is a navigation bar where users can navigate between pages, or log out. The navigation bar also contains a search bar in which the user can type in a stock symbol, which then takes them to the stock page. If the symbol is invalid, meaning it does not exist in the stock market, the user is taken to a page that displays an error message indicating that they have typed in an invalid stock symbol. The stock page displays the name of the stock searched for, a graph of the stock values from the past week, and information about the stock (Change today, high today, low today, and

current value). Beneath this display, the user can click the buy or sell buttons, which open a modal asking the user how much of the stock they would like to buy or sell. The modals will not allow the user to buy more stock than they have money for, and will not allow the user to sell more of a stock than they own. Below the buy/sell buttons, two random stocks are displayed, along with some information about each stock. The stock symbol for these stocks are displayed as green if their value has gone up during the day, and red if their value has gone down. If the user clicks the “view” button beside either of these stocks, the page is reloaded with the “view” stock and its information and graph are displayed at the top of the page, where it can now be bought/sold using the buy/sell buttons. Two new stocks are displayed at the bottom of the page in place of the original ones. Finally, the user can log out when they are finished and their information will remain in the database for their next login, with all their profile/stock information saved.

Project Tracker:

Google Kanban: [Link](#)



Google Kanbanchi allowed us to visualize our development process, set and view deadlines, and keep track of our project progress. It was easy to use as everyone could view and edit it through google, as well as be notified of changes. We could add/delete cards for portions that need to be completed or ideas that we wanted to implement. It was a good way to coordinate implementation of features and distribute tasks among our group.

VCS Repository:

Github: [DoG Milestones](#)

Commits on Dec 9, 2019

Presentation slides

 keli3920 committed 7 days ago

Verified



8ad1012



Commits on Dec 6, 2019

Add files via upload

 daca3148 committed 10 days ago

Verified



41f996f



Commits on Dec 5, 2019

Set up signup on home

 georgemax99 committed 11 days ago



45ae39e



Merge branch 'master' of https://github.com/daca3148/DoG_milestones

 georgemax99 committed 11 days ago



00b5649



commit to pull

 georgemax99 committed 11 days ago



4954249



Add files via upload

 KiritoMiao committed 11 days ago

Verified



fdfaf6a



Add files via upload

 KiritoMiao committed 11 days ago

Verified



8dd3371



Finished imaprofile pic

 georgemax99 committed 12 days ago



bb384db



Merge branch 'master' of https://github.com/daca3148/DoG_milestones

 georgemax99 committed 12 days ago



937e9c9



Finishing profile picture

 georgemax99 committed 12 days ago



bb832db



\$\$ and digits

 keli3920 committed 12 days ago

Verified



5c499a4



Merge branch 'master' of https://github.com/daca3148/DoG_milestones

 georgemax99 committed 12 days ago



13ca9e6



Push for kelsey

 georgemax99 committed 12 days ago



bd3f993



rounding and \$\$\$

 keli3920 committed 12 days ago


Verified



4e76481



Pushing profile.jsp

 georgemax99 committed 12 days ago



b135558



Fixing conflict

 georgemax99 committed 12 days ago



2687056



Making profile pic

 georgemax99 committed 12 days ago



29bcd52



Bank account

 keli3920 committed 12 days ago

Verified



623341c



Merge branch 'master' of https://github.com/daca3148/DoG_milestones

 georgemax99 committed 12 days ago



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


Setting prortfolio value

 georgemax99 committed 12 days ago















c1cb72e





































buy/sell maximum limits  keli3920 committed 12 days ago	Verified	 c6a5a9f	
Merge branch 'master' of https://github.com/daca3148/DoG_milestones  georgemax99 committed 12 days ago		 3c4a2e8	
Finishing stocks table  georgemax99 committed 12 days ago		 86b8122	
disabled entry for buy/sell textboxes  keli3920 committed 12 days ago	Verified	 26bc703	
Finishing stocks table  georgemax99 committed 12 days ago		 e283b36	
Merge branch 'master' of https://github.com/daca3148/DoG_milestones  georgemax99 committed 12 days ago		 5c5aeed	
Working on stocks table  georgemax99 committed 12 days ago		 ec636bb	
Fixed MaxBuy(?)  keli3920 committed 12 days ago	Verified	 4124164	
Merge branch 'master' of https://github.com/daca3148/DoG_milestones  georgemax99 committed 12 days ago		 d4a5bb9	
Finishing buy and sell  georgemax99 committed 12 days ago		 f7c6a86	
Added Table and formatting  keli3920 committed 12 days ago	Verified	 c5b056c	









Commits on Dec 4, 2019

Merge branch 'master' of https://github.com/daca3148/DoG_milestones  georgemax99 committed 12 days ago		 3ae8832	
Working on making stocks byable  georgemax99 committed 12 days ago		 c657ba5	
Fixed Profile img if empty  keli3920 committed 12 days ago	Verified	 05fa8a3	
Set maximum buy amount  keli3920 committed 12 days ago	Verified	 6f96633	

Commits on Dec 4, 2019

changed percent precision keli3920 committed 12 days ago	Verified		86d82b1	
Fixed stockpage georgemax99 committed 12 days ago			db92efc	
Merge branch 'master' of https://github.com/daca3148/DoG_milestones georgemax99 committed 12 days ago			b8ceb1d	
Working on buying stocks georgemax99 committed 12 days ago			45509e2	
put javascript under chart.render() keli3920 committed 12 days ago	Verified		2d202bb	
Stock Error Page ... keli3920 committed 12 days ago	Verified		c37720e	
Added Buy/Sell Modals keli3920 committed 12 days ago	Verified		3a664c5	
Removed login/signup from toolbar ... keli3920 committed 12 days ago	Verified		91136ac	
Removed login/signup from toolbar keli3920 committed 12 days ago	Verified		290294c	
StockPage JavaScript ... keli3920 committed 12 days ago	Verified		bb3ae58	
Added Javascript ... keli3920 committed 12 days ago	Verified		9c32799	
Added buy/sell buttons and changed toolbar "About" to "Profile" keli3920 committed 12 days ago	Verified		bada699	
Added home button georgemax99 committed 12 days ago			0e8cf0f	
Merge branch 'master' of https://github.com/daca3148/DoG_milestones georgemax99 committed 12 days ago			d8cb1f6	
Added home servlet georgemax99 committed 12 days ago			9c4904f	
Javascript for editing profile keli3920 committed 12 days ago	Verified		349eae5	
Editable and improved appearance keli3920 committed 12 days ago	Verified		51e8a01	

Commits on Dec 3, 2019

Merge branch 'master' of https://github.com/daca3148/DoG_milestones georgemax99 committed 13 days ago			32e60b6	
Add search on profile page georgemax99 committed 13 days ago			f5887c7	
Home page KiritoMiao committed 13 days ago	Verified		8d0c95b	
Set up data with stock page and the search feature georgemax99 committed 13 days ago			1aa7252	

Commits on Dec 2, 2019			
Updated Navbar keli3920 committed 14 days ago	Verified	c982b10	
Updated Navbar keli3920 committed 14 days ago	Verified	88d7f27	
Added Stock Page html and css ... keli3920 committed 14 days ago	Verified	43d0090	
Commits on Dec 1, 2019			
Add project milestone 5 georgemax99 committed 15 days ago	Verified	38498fb	
Create PasswordTestCase.md KiritoMiao committed 15 days ago	Verified	be329dc	
Push updated server georgemax99 committed 15 days ago	Verified	35a5316	
Commits on Nov 8, 2019			
Milestone4 daca3148 committed on Nov 8	Verified	2762664	
Commits on Nov 3, 2019			
Project Milestone 3 ... keli3920 committed on Nov 3	Verified	c75d767	
Create profile page georgemax99 committed on Nov 3	Verified	52393a5	
Commits on Oct 29, 2019			
Create Server georgemax99 committed on Oct 29	Verified	37c9f26	
Commits on Oct 18, 2019			
milestone2 Daniel Camarena authored and Daniel Camarena committed on Oct 18		b4f1d33	
milestone2 Daniel Camarena authored and Daniel Camarena committed on Oct 18		ec12c22	
milestone2 Daniel Camarena authored and Daniel Camarena committed on Oct 18		9d0453f	
milestone2 Daniel Camarena authored and Daniel Camarena committed on Oct 18		b6e8aed	

Deployment:

Home Page: <http://dogtrader-env.kgd6nfmk8q.us-east-1.elasticbeanstalk.com/>

The link above is to our home page, where you can log in or sign up for the webapp. Once you have created an account you can access the website features and

tools for stock trading. The application was deployed using Amazon Web Services Elastic Beanstalk.