

# Wells Fargo Hackathon



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**Thanks for registering & attending!**



Theme: *Educate and engage emerging investors*



Primary objective: build a virtual stock market trading platform around actual historical or live (delayed) market data



## Essential features:

- Stock/Symbol “watchlist”
- Basic orders (i.e., market orders) for buying/selling stocks
- Tracking of gains/losses



## Other ideas:

- Limit orders, stop orders, etc.
- Algorithmic trading adversaries/advisors
- Portfolio analysis (e.g., re. diversification)
- Advanced visualization (e.g., charting)



Examples of paper trading platforms:

- WallStreetSurvivor.com
- ThinkOrSwim.com (TD Ameritrade)



## Market data sources:

- Yahoo Finance: REST & YQL APIs
- Google Finance: REST API
- Quandl (<http://quandl.com>)





# Judging Criteria

- *Educational*: does it effectively teach the fundamentals of trading/investing?
- *Appeal*: how engaging/entertaining/slick is it?
- *Technical*: how well implemented is it?



# Awards

- First place: \$600
- Second place: \$400
- Third place: \$300



# Hackathon Rules

- *Teams*: 2-4 members
- *Presentations + Demos*: 8 minutes per team after lunch tomorrow!



# Schedule: Saturday

- 11:00 AM Kickoff & Team formation
- 1:00 PM Lunch
- 2:00 PM Python webapp workshop
- 7:00 PM Dinner
- 12:00 AM Midnight snack



# Schedule: Sunday

- 8:00 AM Breakfast
- 11:00 AM End of hacking!
- 12:00 PM Lunch
- 1:00 PM Presentations & Judging
- 3:00 PM Awards presentation

