

TWITTER FINGERS



FINANCIAL MARKET HAPPENINGS VIA TWITTER



SPRING 2017

SOFTWARE DEVELOPMENT & DESIGN II (CSC 405)

TWITTER FINGERS

Meet the team

System Administrator



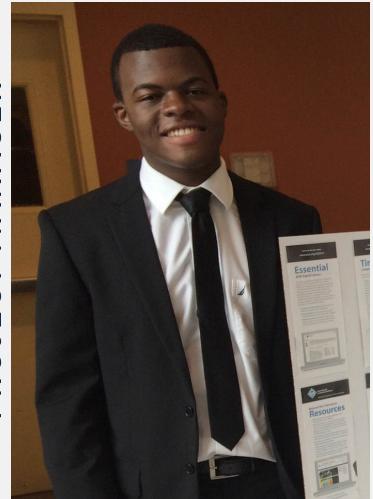
SYSTEM ENGINEER



SOFTWARE DEVELOPER



PROJECT MANAGER



SYSTEM ENGINEER



SOFTWARE DEVELOPER



AGENDA

- Requirements
- Challenges
- Vision
- Design
- Demo
- Conclusion
- Learning



REQUIREMENTS

- Pull tweets in real-time using a Twitter API
- Plan and program a database that holds information within the tweets
- Display the tweets to the screen in the form of a web application
- Store tweets in the database
- Have this stored financial information be accessible using queries
- Create a fully interactive interface
- Analyze our data to provide statistics to the user



CHALLENGES

- LEARNING MONGODB
 - WORKING WITH HTML, PHP, AND JAVASCRIPT
 - LEARNING TWITTER STREAMING API
 - FIGURING OUT WHICH CODING LANGUAGE WOULD BE BEST FOR US TO USE
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VISION

- We hope to release an update where the user can search the streaming results whether it is information within tweets or particular users
- Make a mobile app for Android and Apple devices
- Be able to receive notifications on your favorite financial twitter user
- Invest easily through the mobile app or web application

DESIGN

The screenshot shows a desktop application window titled "Twitter Fingerz". The title bar has standard window controls. The main area features a teal background. At the top center, the word "Twitter Fingerz" is written in white. Below it is a graphic of two hands cupping a blue Twitter bird, which is perched on a stack of gold coins. Below this graphic, the text "by Anisha Carter, Taylor Clark, Dominique Collins, Julian Mathis, Sydney Parker, and Dorian Wood" is displayed in white. On the left side, there is a section titled "Stream" with a "Start Stream" button. Below that is a "Search Tweets" section with three input fields: "Search Text", "Search Users", and "Search All", each accompanied by a grey input field.

DESIGN



localhost/iterations5_final_TwitterFingers/src_tr/TwitterFingers/trnOAuth/StreamAccess.php

Stream Window

SheepleResist: @washingtonpost Why not? Half of Trump's cabinet nominees and his wife did it without repercussions. Sad to see int... <https://t.co/Fjxe2VkpTU>
florence demke: RT @washingtonpost: Marine Le Pen accused of plagiarizing her speech from center-right rival <https://t.co/B9qyUxlC14>
pwm4u: RT @business: Recapping the main points from the @bpolitics interview with President Donald Trump: <https://t.co/HoJpfkS92H>
mcristirpe: RT @washingtonpost: "I don't stand by anything": Trump withers under heat from CBS News's John Dickerson <https://t.co/246xVoxjjn> via @PostO...
madhatter503: @washingtonpost Please, please tell me their seceding!
pwm4u: RT @business: Czech premier announces his resignation after a row with the country's finance chief <https://t.co/2rbJ75I9bH> <https://t.co/irZ...>
DanielPCarroll2: RT @washingtonpost: South Korea's likely next president warns the U.S. not to meddle in its democracy <https://t.co/IHIVGiuGq>
keithajack: RT @washingtonpost: As Trump reverses climate actions, California considers a bold new step <https://t.co/7qmgXBLsEe>
washingtonpost: Fyre Festival was "nothing more than a get-rich-quick scam," \$100 million lawsuit alleges <https://t.co/EFC7tWpyJx>
latinarants: RT @washingtonpost: Marine Le Pen accused of plagiarizing her speech from center-right rival <https://t.co/B9qyUxlC14>
Omedocin: RT @washingtonpost: A tearful Jimmy Kimmel said his newborn has a congenital heart defect. Here's how it works. <https://t.co/5Wz17zpWwX>
Socialist_Piggy: RT @washingtonpost: South Korea's likely next president warns the U.S. not to meddle in its democracy <https://t.co/IHIVGiu1Ga>

DESIGN

The screenshot shows a web browser window with a teal header bar. The main content area has a teal background and displays a list of 15 tweets. The tweets are from various users (@washingtonpost, mnarvaez77, randibaker01, evelynjoanne, big_shoals, jeffd129, ingenious_gs, JeryM8, FreethinkerMig, WilliamBHawkins, DARod1227, AliceMarques34, mgluchini, kalimatafsiri, reallymlab) and are all about the same topic: hunting down runaway slaves. The tweets mention Andrew Jackson, the master class, and Ivanka Trump. The bottom of the page shows the text "Number of tweets found: 15".

Search Results for: down

"mnarvaez77", "RT @washingtonpost: Pentagon chief cracks down on service academy athletes going pro without serving full-time https://t.co/dI3JWyVx1c

"randibaker01", "RT @washingtonpost: Pentagon chief cracks down on service academy athletes going pro without serving full-time https://t.co/dI3JWyVx1c

"evelynjoanne", "RT @washingtonpost: Net neutrality may be poised for a Supreme Court showdown https://t.co/F2u0mJlPbg

"big_shoals", "@washingtonpost But why does he pronounce "China" as if he's just downed a shot of Malört?

"jeffd129", "@washingtonpost Our company has pretty much shutdown business in Portland due to violent progressive liberal anarchists

"ingenious_gs", "RT @washingtonpost: Pentagon chief cracks down on service academy athletes going pro without serving full-time https://t.co/dI3JWyVx1c

"JeryM8", "@washingtonpost Should had put the hammer down and got control by expelling any idiot who did not go to class...end of story.

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"FreethinkerMig", "RT @washingtonpost: Pentagon chief cracks down on service academy athletes going pro without serving full-time https://t.co/dI3JWyVx1c

"WilliamBHawkins", "RT @washingtonpost: Hunting down runaway slaves: The cruel ads of Andrew Jackson and "the master class" https://t.co/vqJRcrP7Ck

"DARod1227", "RT @washingtonpost: Pentagon chief cracks down on service academy athletes going pro without serving full-time https://t.co/dI3JWyVx1c

"AliceMarques34", "RT @washingtonpost: Hunting down runaway slaves: The cruel ads of Andrew Jackson and "the master class" https://t.co/vqJRcrP7Ck

"mgluchini", "@washingtonpost Thank you DJT -add this to your 100 day accomplishments? #down/w/girls/child-obesity @IvankaTrump... https://t.co/pXp14CEAbz

"kalimatafsiri", "RT @washingtonpost: Hunting down runaway slaves: The cruel ads of Andrew Jackson and "the master class" https://t.co/vqJRcrP7Ck

"reallymlab", "@washingtonpost Everyone but the wealthy top 1% is going down with this buffoon in office!! This mediocre, low cla... https://t.co/QpBrBjzlK5

Number of tweets found: 15



TWITTER FINGERS

DEMO



CONCLUSION

- As a team we learned to work around each other's schedules
- Learned a great deal of web development such as PHP, Javascript, and HTML
- Struggled to get the database to connect and work successfully with the website and was successful
- Tackled the button features and was successful

LEARNING

- MONGODB
- PHP
- JAVASCRIPT
- HTML
- DATABASE STORING AND CALLING
- GENERAL WEB DESIGN CONCEPT