

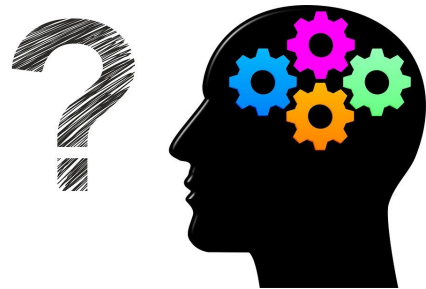
GiftLink

A Gift-Planning Web App



Frankie Betancourt, Landen McDonald, Isaac Ige, Zack Strickland
COSC 340

Introduction



- Finding the proper gift is a common struggle
- GiftLink is a web app that helps generate gift ideas based on your friends' interests
- Serves not only as a way to get a general idea about what someone's interests are, but also generates direct links to Amazon/Ebay for purchase




Goals / Customer Value

- Should be as portable/accessible as possible
- Interface should be simple and user-friendly
- Users should easily be able to view the interests of a particular friend and quickly discover gift ideas based on those interests



Current Features

- Responsive Layout
 - Search Friends and Sort Friends
 - Dynamically filters as the user types
 - By name/birthday in ascending/descending order
 - Holiday Calendar
 - Filled with events from Google's "Holidays in the U.S. Calendar"
 - Filter Unverified Pages
 - Dynamically Generate Links to Amazon & Ebay
 - Persistent Login
- 

Technology*

- Facebook Graph API and JavaScript SDK
 - Quickly allows users to login to our web app with Facebook
 - Easy to request the desired permissions and access user data
 - **We cannot access any data unless permission was explicitly granted**
- CSS/HTML/JavaScript
 - Core languages for web development
 - Web applications can be easily accessed from a variety of devices

*Other libraries/tools listed at the end of presentation



Demo



Testing

- Selenium Webdriver
- Unittest
- Facebook's app dashboard "Test Users"
- Test suite:
 - Login, Friends List, Calendar, Interests, Search Bar, etc...



Challenges and Consideration

- Cambridge Analytica...
 - Facebook apps that look at your data were fashionable 3 months ago, but not so much anymore
- Facebook is revising their policies which could completely disrupt the functionality of our software
- Initially began developing GiftLink as a desktop app with Python, but switched to a web app
 - Facebook's developer tools are better suited for web applications



Future Direction

- Wishlists
- Populate holiday calendar based on locale
- Add more interest categories
- Machine learning based recommendation system



Questions?

Other Libraries*

- Bootstrap (ver. 4.0)
- Bootbox (ver. 4.4.0)
- jQuery (ver. 3.3.1)
- Animate.css (ver. 3.5.2)
- Zabuto Calendar
- Google Fonts

