

David Nguyen

dxn180015

Dr. Karen Mazidi

CS 4395.001

## HW6 - Web Crawler

*(1) describe how you created your knowledge base, include screenshots of the knowledge base, and indicate your top 10 terms.*

The top 10 terms determined manually based on my domain knowledge are: nes, snes, kirby, bundled, trailer, cables, launches, bundle, plastic, watchlist.

I built my knowledge base by going through all of the text of each of the 15 links and tokenizing each sentence. I then created a dictionary which will be the knowledge base where the keys are the terms and the values are a list containing sentences from my pages with that term/key.

An snippet of my printed knowledge base is here below (entire screenshot too big):

```
plastic
['Even the plastic dock bundled in the package seems very tiny in comparison to normal hardware.', 'This kickstand is made of plastic, feels flimsy, and in use you tend to fear it may break.', 'Another issue is the flimsiness of the cover for the game cards; it's literally thin tabs of plastic securing this to your console.', 'The dock also needs a mention here: it's a slab of plastic with two external USB slots, the lone out and ports complimenting internal USB, USB-C, and HDMI connections.']
```

```
trailer
['In the trailer, a gamer slides what looks to be a 3DS-style cartridge into the tablet, meaning games are likely to be distributed both digitally and physically.', 'The trailer shows off lots of multiplayer gaming, either with multiple controllers connected to one system, or many Switch consoles connecting together wirelessly.', 'In the trailer you can see third-party games like The Elder Scrolls V: Skyrim and NBA 2K alongside what look to be a new Mario and Mario Kart games and Splatoon.', 'View All Comments 'Switch' is Nintendo's next game console av gaming mobile nintendo nintendox nintendoswitch nx switch tablet trailer video zelda About Engadget Masthead About our Ads Advertise Licensing FAQ RSS Feed Sections Reviews Gear Gaming Entertainment Tomorrow The Buyers Guide Video Podcasts Deals Contribute Comment Guidelines Support International 繁體中文 Subscribe to our two newsletters: Engadget Deals - A weekly roundup of our favorite tech deals The Morning After - A daily dose of the news you need Please enter a valid email address Please select a newsletter Subscribe Follow Us © 2023 Yahoo.', 'Archive eShop Updates Amiibo Feature Interview News Previews Site Updates Trailer Analysis Contact Search for: #site-navigation #masthead Nintendo Switch Review March 16, 2017 March 16, 2017 Paul Murphy .entry-meta .entry-header It's time to switch.', 'Click To Unmute Street Fighter 6 Zangief vs Marisa Developer Gameplay Resident Evil 4 Remake Everything To Know Diablo 4 Ultimate Edition Breakdown Trailer Unlock Mad Chainsaw Mode & Secrets Weapons In Resident Evil 4 Demo Dead Island 2 Isn't What We Were Expecting... PS5 Pro Reportedly In Development | GameSpot News Sea of Thieves Season Nine Deep Dive Hearthstone: Festival of Legends Cinematic Trailer The Callisto Protocol - Contagion Bundle Trailer Call of Duty: Modern Warfare II & Warzone 2.0 Season 02 Reloaded Trailer Total War: WARHAMMER III Forge of the Chaos Dwarfs Trailer Hyper Light Breaker Gameplay Reveal Trailer Share Link Embed Size: 640 x 360 480 x 270 Start at: End at: Autoplay Loop Want us to remember this setting for all your devices?"]
```

```
launches
['"And I've been involved in launches dating back to the Nintendo DS.', 'Switch launches on March 3 with identically priced two versions: one with gray Joy-Cons, and one with neon-colored Joy-Cons.']
```

*(2) write up a sample dialog you would like to create with a chatbot based on your knowledge base.*

Sample dialogs for nintendo switch topic based on my knowledge base and top terms:

“Is the Nintendo Switch's kickstand plastic?”

*This kickstand is made of plastic, feels flimsy, and in use you tend to fear it may break.*

“When did the Nintendo Switch launch?”

*The Switch launches on March 3 with identically priced two versions: one with gray Joy-Cons, and one with neon-colored Joy-Cons.*