WardrobeFinder

Kathryn Garbacz
Department of Computer Science
University of Illinois at Urbana Champaign
kgarbac2
Introduction

Online shopping is becoming more popular as a method of shopping
- Deloitte’s annual holiday shopping survey, 2013: 47% said they would be using the internet as their primary shopping method.

Still, it can be a hassle:
- Searching many websites individually is a hassle
- Most websites do not have the best search engine in general
Wanelo

- Consolidates multiple websites
- Relies on users to submit links
- Searches only based on product name
Methods

- **Crawling**
  - Used Scrapy
    - Used developer tool in Chrome to examine websites for data to extract
    - Extracted name of store, name of product, an image of the product, the price, the color, the description, and the URL
    - Data was returned in form of JSON documents

- **Indexing/Searching**
  - Used Elasticsearch/AngularJS
    - Indexed JSON documents with Bulk API & JavaScript Elasticsearch library
    - With AngularJS, integrated the search function into a website that communicates with Elasticsearch to search the index and return the results to the user
- Searches all available fields with one query
- Is able to match query to more fields than current website options
- Searches for documents that match query terms exactly
- Returns documents that include most words of query first
- Then starts to return documents that only match part of it
- Displays store name, an image of the product, the name of the product, its price, and its description
Future Work/Ideas for Improvement

- Include more websites
- Include men’s clothing
- Expand on search so that you can search fields separately
- Change the search’s scoring system
- Provide a way for the search to exclude terms
- Gather feedback from the user to improve results
- Create a recommendation system