ECE 435

Final

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For the final project I decided to make an program that will track craigslist postings for things I may want then notify me when new postings are available via email. I originally planned on having my program pull from multiple different websites and compile them in one spot, but due to time constraints I was only able to focus on craigslist.

Since craigslist does not have a dedicated api to retrieve posting info from I instead decided to analyze craigslist's html directly. I wanted to have the user be able to search a term then it would create a url for that item within a number of miles of my location. In my case I want free scrap metal so that is the default search. I use the external library jsoup in order to parse out the the link to my wanted items, the listings name, and it's image. Unfortunately jsoup is unable to access where the image is stored in the HTML for whatever reason. Within Java it then writes all of the information to the HTML file.

Within the HTML file it shows all of the listings' names with embedded links. There is also a search bar and enter button. There is then a while loop back in Java that checks if the HTML file changes and if it does that means the user searched something. Then it returns to the Java to repeat everything and rewrite the HTML file.

For the email portion I created a few functions to send emails. These functions use the outside library javax.mail.jar. I set up a dedicated email account for the program to send emails from.

A lot of what I wanted to do for this project I wasn't able to accomplish since I had two other projects and two exams to do and I have been very constrained on time. I would have liked to set up a a small login type screen where you set up what email it goes to but instead it just goes to mine.

Craigslist tracker

metal

- Free tiles (large box), old pipes (scrap metal?), old bricks
- Assorted metal cookie tins
- Cleared out the shed.
- Free kids' stuff, tools, tarp, table and chair, more
- Pick Up ONLY, Free Full Size Box Spring/Bed Frame
- Free Brand New Lightbulbs
- Freebies
- Metal motor for scrap-heavy
- Medicine Cabinet
- Free 20 ft metal pipe, old gas pipe
- Scrap metal

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