Pet-Project

Price aggregator/Scraper

Tasks and purposes

- Create a desktop web scraper.
- The app should get info from different sources(stores) to find goods.
- The app should provide description, best price and URL.

Secondary task

- Learn Java Core.
- Understand Java Multithreading
- Learn basics of HTML/XML and DOM structure.

"UML" and UI

Item

String url;
String title;
BigDecimal price;

Source

String url; List<Item>; List<HTMLElements>;

Browser

initBrowser();

Source manager

List<Source>;

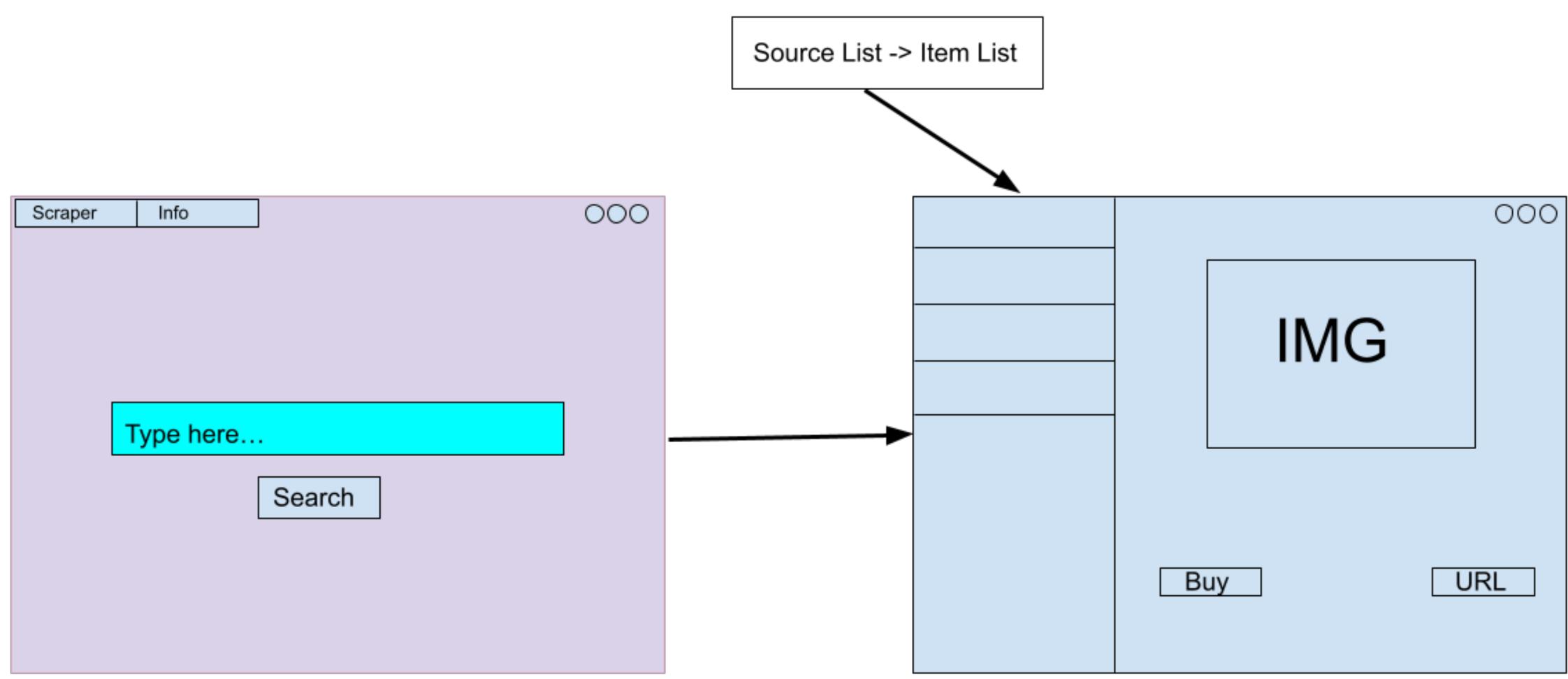
addSource(Source); readFromFile(); updateAll();

ItemRequest

Thread thread; Source source;

requestFromSource(); createAndStart();

"UML" and UI



Problems

- How to manage different settings for different Sources?
- How to inject different setting depending on situation?

Demoand Repo

https://github.com/InkWerius/Orion_Project_Scraper

What next?

- Solve problems.
- Re-create Scraper for Web.

Next features...

- Create DataBase to collect goods and price history.
- Add notifications.
- Add auto-checkout bot for fast purchases

Thank you