SearchEngineRequester

It is an application that prompts the user for a text string, performs a Web search (Google) and returns the title and URL of the first result.

Launching

- cd /projectDirectory
- ./start.sh
- The program asks u to enter text to search or to enter #quit for stopping
- Once u hit enter a web request will be made to https://www.google.com
- Upon success recieved html will be save in work/google.html file
- Then a parser will find 1st result and present it to u.

Compiling

This is the maven project, so maven is required to complie it. For running maven isnt required, all libraries are already included.

```
mvn clean install
mvn dependency:copy-dependencies -Dmdep.useSubDirectoryPerScope=true
```

Configuration

config directory contains two xml configuration files:

- logger.xml - logback configuration file
- httpClient.xml - apache http client configuration file

By defaul logs are written to logs/main.log file.

Used libraries

- *weld-se* is used to provide DI in se environment, its more powerful and flexible then Guice.
- *lombok* is a small library which generates setters\getters\toString and other helpful methods.
- *slf4j* allows to abstract from concrete logger implementation
- *logback* is a logger implementation, used by slf4j
- *simple-xml* is an easy to use xml serialization library
- *apache http client* open source, well documented apache library for making http requests, its better then HttpUrlConnection and has more features
- *jsoup* good library for parsing html, supports css queries and well documented