Requirements

- Python 2.7
- Python packages: enum34@1.1.6 ; ortools@6.6.4656 ; python-dateutil@2.4.2 ; gensim@3.7.1 ; numpy@1.16.1.
- MAMP
- Arcade_acdc.jar (to generate input files in Back-end/Data/Architecture, pls follow this command: java –jar Arcade_Acdc.jar <software_src_code_dir> <output_dir> lib_struts).
- Any Web Browser
- Any Code Editor that supports Web Developing.

Front-end

Front-end is a beautiful static web-site, it renders output file generated by Back-end.
- Set up MAMP localhost (port 8888 by default) as described in section 3.1 of [this documentation](#).
- In MAMP -> Preferences... -> Web Server -> Document Root: Select EVA project dir -> Start Apache Server
- There's no index.html. In Web Browser, paste this URL:
http://localhost:8888/Front-end/single_layered.html?&recovery=acdc&ver1=v18.0&ver2=20.0&ver3=22.0&software=guava
Wait 30 secs for rendering, after that User Interface is easy to figure out.
- Please note that the parameters passing order is hardcoded:
<recovery_method>&<version>&<software_name>

Back-end

Back-end is not a server (hence, no request/response), it is an engine that takes input from Back-end/Data/Architecture/ and generate necessary output for front-end rendering.
- In IssueProcessor.py, last line (line 214 atm), use your github account ('<username>',

'<password>', '<Forked project's developer name>', '<Forked project's name>')

- Execute following this order: IssueProcessor.py -> ContextMapper.py -> ChangeIdentifier.py -> All necessary files will be generated. (Edit cur_dir in those python files if needed).

- If github.GithubException.RateLimitExceededException: `'API rate limit exceeded for user ID xxxxxxx.'` occurs, wait 1 hour before trying again, refer to this for further details.

Acknowledgement

All credits go to the original author. She helped me figure out everything (thank you Daye). Arcade_Acdc.jar's credit goes to Sempai Josh.

Enjoy!!!