

Ideas for Implementation:

Helpful Click Decorators & Utilities

- click's `--help` option will be ideal for users
- `click.option()`: this will be very useful for flags that may be used
 - will be able to use commands like `is_flag`, `flag_value`, `count`, `help`, etc.
- `click.group()`: this will allow FRE to be broken up into parts and subparts for each part
 - will be able to use commands like `add_command`
- `click.progressbar()`: potential for the user to see progress while something runs like `fre run`
- `click.confirm()`: potential for the user to verify actions and proceed
- `click.style()`: can style text with wanted configurations if needed (can use `click.secho()`)
- `click.pause()`: stops executing current command and waits for user input to continue
- `click.pass_context`: allows use of `context.forward(command)` and `context.invoke(command, args)` for discouraged yet possible invocation of commands from another command, probably what is going to be the solution to running all of something like `fre make` at once

Potential Errors

- environments: I'm working with mainly `venv` right now, but `conda` and `venv` on other computers may fail
 - this is likely due to the setup, within `setup.py` and calling pip install --editable` after`
 - however, using `^` this allows for cleaner execution, where the user only has to type `$scriptname` in the command line instead of `python $scriptname.py` (followed by any needed commands and flags of course)

Questions for Users/Devs

- do we want to use flags (`click.option()`), confirmations (`click.confirm()`), or a mix of both to allow users to run what they want, how they want?
 - this means that users can either use certain flags (i.e. `--execute`), which will be included and explained in the `--help` feature, or they will just be prompted for what features they want and can decide if they want it with [y/N]

Things to Consider/Implement

- use of classes, arguments (necessary) vs. flags (optional)
 - arguments can be used for specific cases; i.e. need to parse specific file
- per Chris's input, need nested groups to allow subcommands to be executed with specific flags
 - will probably implement an `execute_all` command within a group like `fre make` if user wants to execute every feature at once, i.e. `checkout`, `container`, `list`, and `compile` for `fre make`
- obviously going to need to make implementations for dealing with scripts across multiple files

Required Changes to Make

- none (at the moment), still in experimentation phase

Potential Additional Uses for Click

- program using BeautifulSoup to scrape GFDL pages for immediate tutorial guidance after prompting for GFDL login