15 November 2021

Requirements
- web front end for Hobbit
- Webpage -- hosted in the School - VM with a domain name.
- Users input 2 code fragments in Hobbit's input language
- Front end HML/javascript for the UI and
- a back end running Hobbit with user input
- Users may also chose some command line options for hobbit
- Presentation of Hobbit's output to the user.
- If programs equivalent then some indication of success is enough
- If programs are inequivalent then hobbit returns a "failing trace"
  - How best to present that to the user so that
    - it makes sense wrt the research papers
    - it makes sense to end users (who have not read research papers)
      - Graphical represetation?
      - Construct a distinguishing program for inequivalent code.
- Have a collection test programs that the user can try out
  - include the current test cases
  - some easy method to extend the test programs
  - Organisation of the tests/examples
- Consider security
  - e.g. Denial of Service attacks and distributed DoS attacks

1st step:
- Look at Tiyani's FYP, install the code on your computer and see if it runs for you
- see if this suitable to run hobbit.
- Look at similar tools like
  - https://formal.kastel.kit.edu/projects/improve/reve/