

Lisp in Summer Projects Submission

Submission Date	2013-10-24 19:14:58
Full Name	Abhinav Jauhri
Country	United States
Project Name	rkt-heaps
Type of software	library
General category	library
LISP dialect	Racket
GitHub URL	https://github.com/ajauhri/rkt-heaps
Did you start this project?	Yes, all the code is written by me
Project Description	I want to upload a free-form 3-4 page PDF composition.
Upload 3-4 page detailed PDF	final-report.pdf
Build Instructions	Clone repository using: git clone git@github.com:ajauhri/rkt-heaps.git Open racket in terminal or add to source, using: (require "\$RKT_HEAPS_HOME/src/binomial.rkt") (require "\$RKT_HEAPS_HOME/src/fibonacci.rkt") where \$RKT_HEAPS_HOME is the root of downloaded source
Test Instructions	Via terminal, cd \$RKT_HEAPS_HOME/tests ./binomial_tests ./binomial_helper_tests ./fibonacci_tests

All tests can be run using:

```
./run_all_tests.rkt
```

Execution Instructions

Racket docs are included the attached pdf and I highly recommend going through it. Html links to racket docs:

<http://htmlpreview.github.io/?https://github.com/ajauhri/rkt-heaps/blob/master/docs/binomial/index.html>

<http://htmlpreview.github.io/?https://github.com/ajauhri/rkt-heaps/blob/master/docs/fibonacci/index.html>

Describe any bugs or caveats

I should make a note that after the submissions rules were declared (after end of September, 2013), I invested time in creating plots and in doing so some issues/bugs were found in my code. They were corrected in October. Since these were corrections (and not adding new functionalities/features) I will leave it to the authorities to decide if I am qualified to be considered or not. Thanks!

Official

I have read rules and have abided by them.
I am 18 years of age or older.
I am not living in Brazil, Quebec, Saudi Arabia, Cuba, Iran, Myanmar (Burma), North Korea, Sudan, or Syria.