Test Plan - FDR

James Viner, Raymone Miller

Automated Test Cases

Automated tests may be executed with `make check`, which builds the executable and runs a bash script that performs unit testing for this program. Additional test details can be found in `test/test.bash`; if the script does not run, check whether or not it is executable.

Common Test Cases

Prerequisites: `fdr/` directory does not already exist.

TC1: Installation

1. `git clone` git@git.umbc.tc:tdqc/tdqc12/jviner/fdr.git

2. `cd fdr`

Expected: `fdr/` directory is created.

TC2: Correct branch

1. git branch

Expected: main is default branch.

TC3: Build cleaning

1. `make`

2. `make clean`

3. `ls`

Expected: No .o files or executable files are left in directory.

Project-Building Test Cases

Prerequisites: In the project's directory; have run `make clean`.

TC4: Build Explicit

1. `make fdr`

2. `ls fdr`

Expected: File is listed.

TC5: Build Implicit

1. `make`

2. `ls fdr`

Expected: File is listed.

TC6: Build debugging

1. `make debug`

2. `readelf —debug-dump=decodedline maze`

Expected: Debugging info is listed.

TC7: Build profiling

1. `make profile`

Expected: Program build output contains -gp flags.