

K10 - Project assignment

buildpassin

Requirements

- [GNU Compiler Collection](#)
- [GNU Make](#)

Compilation

```
make
make test # Optional: Executes the unit tests
```

Execution

```
./build/project.out
./build/project.out -seed 1454857303 -n 10 -nsegs 5 -k 10 -percent 30
./build/project_test.out # Optional: Executed by `make test`
```

Cleaning

```
make clean
```

Methodology

A detailed description of the entities and the relationships can be found at [docs/Specification.md](#).

The [behavior-driven development](#) process was used in which, based on the specification, [unit tests](#) were written first and then the corresponding entities were being implemented. The unit tests were implemented using the [Google Test](#) library.

[Git](#) was used as the [version control system](#) along with [GitHub](#). New features were being developed in separate branches that were merged into the `master` branch afterwards using a pull request. In addition, [Travis CI](#) was used as the continuous integration service.

Operating systems

- [Fedora 23](#)
- [OS X 10.11.2](#)
- [Ubuntu 15.10](#)

Tools

- [Clang](#) 3.7.0
- Git 2.5.0
- GNU Compiler Collection 5.3.1
- GNU Make 4.0
- Google Test
- Travis CI
- [Valgrind](#) 3.11.0

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