**Project 2**

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| ***Student Name*** | ***Grade*** | ***Percentage*** | ***Grader*** |
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| **#** | **Items** | **Points** | **Comments** |
| GitLab (16p) | 4p: Gitlab repo with releases Baseline, PseudocodeBorvuka, PseudocodeTestcase, Release2.0 (or at least tagged)  2p: download release2.0 works  10p: 10 commits with meaningful commit message |  |  |
| GitLab board, issue tracker (20p) | 20p: Board used to track issues (2p per meaningful issue) with open/closed columns |  |  |
| Class hierarchy, code compiles: (15p) | 5p MazeBuilderBoruvka.java is subclass of MazeBuilder or MazeBuilderPrim.  10p code overrides generatePathways() with own code, implements getEdgeWeight(W), cod compiles |  |  |
| Boruvka code: (40p) | 40p Code implements Boruvka’s algorithm |  |  |
| Code passes Junit tests given by instructor (82p + 10 bonus) | MazeFactoryTestGrading:  2p for each test the code passes  36 tests in total  MazeBuilderBoruvkaTestGrading:  2p for each test the code passes  10 tests in total |  |  |
| Code works with command line parameter (20p) | 10p command line parameter “Boruvka” triggers Boruvka’s algorithm and game is playable at skill level 0.  10p same for skill level 5 and implementation supports rooms. |  |  |
| Documentation: javadoc (20p) | 5p Comments are javadoc compatible (/\*\* … \*/ format)  10p MazeBuilderBoruvka is reasonably documented, meaningful comments, telling names, etc  5p javadoc works and product reasonable HTML output for MazeBuilderBoruvka |  |  |
| JUnit test cases by student (50p+30 bonus) | MazeFactoryTest (max 40)  5p class exists, contains at least 1 test, can be executed, code passes tests  5p test fixture: tests submits order to factory  5p meaningful pass/fail criterion  for each test  5p coverage for MazeBuilder or Prim is > 60%  5p documentation: each test well documented on what is tested  Properties tested: total: 10p  e.g. 5p test: 1 exit  e.g. 5p test: can get to exit from any position in maze  MazeBuilderBoruvkaTest (max 40), extends MazeFactoryTest, same quality criteria as for MazeFactoryTest but additional set of test cases must be different/complementary to the inherited tests, coverage applies to Boruvka. |  |  |