# ICS 340 Program Deliverable D On-time Submission Grading Rubric

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Points** | **Deliverable D Tests** | | | | |
|  |  | F1dd | F2d | F2dd | F3d | F4d |
| **Correctness of Deliverable D** | 42/50 | 10/10 | 10/10 | 10/10 | 6/10 | 6/10 |
| **Correctness of Deliverable A** | 5/5 |  | | | | |
| **Correctness of Deliverable B** | 5/5 |  | | | | |
| **Correctness of Deliverable C** | 5/5 |  | | | | |
| **Design** | 5/5 |  | | | | |
| **Documentation** | 5/5 |  | | | | |
| **Report** | 10/10 |  | | | | |
| **Subtotal** | **77/85** |  | | | | |
| **TOTAL** | **77/80** |  | | | | |

## Comments:

See grading rubric for deliverable D, next page.

Reasonably fast. In fact, probably too fast for the larger graphs. I think that’s why the results for larger graphs wee not as good as for smaller graphs.

The idea of trying a hybrid of genetic algorithm and simulated annealing is a fairly rare one, although it is used sometimes, but I agree that it’s disappointing that it didn’t work any better than the other algorithms here.

But the report and design and everything were excellent, I think that more time for larger graphsa would have been the only change I would have made.

***Grading rubric for deliverable D test cases***

Five test cases. Each test case worth 10 points. I took the shortest cycle anybody got in their program and used that as a base. The number of points you got was based on how close you got to the shortest cycle:

|  |  |
| --- | --- |
| Within 10% of shortest cycle | 10 pts |
| Within 30% of shortest cycle | 9 pts |
| Within 60% of shortest cycle | 8 pts |
| < twice shortest cycle | 7 pts |
| < 4x shortest cycle | 6 pts |
| < 8x shortest cycle | 5 pts |
| < 16x shortest cycle | 4 pts |
| Worse, but getting an answer | 3 pts |

Your answers vs. the best were:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test FIle | F1dd | F2d | F2dd | F3d | F4d |
| Start 🡪 End | E 🡪 A | Sea 🡪 Min | Sea 🡪 Min | TRF 🡪 Rch | C00 🡪 c57 |
| Shortest cycle | 18 | 6366 | 6378 | 2645 | 27378 |
| Your cycle | 18 | 6366 | 7535 | 7277 | 91017 |