**Test Plan for Part 1**

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| Student Name: U.L.K. Jayashanka Student ID: w1870585 | | | | |
| **Test Plan for Part 1**  Submit completed test plan with your code solution | | | | |
| Test No. | Test Input | Expected Result | Actual Result  (or state ‘not attempted’) | Pass / Fail (‘Actual Result’ matches ‘Expected Result = Pass’) |
| 1 | Pass = 120  Defer = 0  Fail = 0 | ‘Progress’ is displayed | ‘Progress’ is displayed | ‘Pass’ |
| 2 | Pass = 100  Defer = 20  Fail = 0 | ‘Progress (module trailer)’ displayed | ‘Progress (module trailer)’ displayed | ‘Pass’ |
| 3 | Pass = 100  Defer = 0  Fail = 20 | ‘Progress (module trailer)’ displayed | ‘Progress (module trailer)’ displayed | ‘Pass’ |
| 4 | Pass = 80  Defer = 20  Fail = 20 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | ‘Pass’ |
| 5 | Pass = 60  Defer = 40  Fail = 20 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | ‘Pass’ |
| 6 | Pass = 40  Defer = 40  Fail = 40 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | ‘Pass’ |
| 7 | Pass = 20  Defer = 40  Fail = 60 | ‘Module retriever’ is displayed | ‘Module retriever’ is displayed | ‘Pass’ |
| 8 | Pass = 20  Defer = 20  Fail = 80 | ‘Exclude’ displayed | ‘Exclude’ displayed | ‘Pass’ |
| 9 | Pass = 20  Defer = 0  Fail = 100 | ‘Exclude’ displayed | ‘Exclude’ displayed | ‘Pass’ |
| 10 | Pass = 0  Defer = 0  Fail = 120 | ‘Exclude’ displayed | ‘Exclude’ displayed | ‘Pass’ |
| **Validation** | | | | |
| 11 | Pass = a | ‘Integer required’ displayed | ‘Integer required’ displayed | ‘Pass’ |
| 12 | Pass = 5 | ‘Out of range’ displayed | ‘Out of range’ displayed | ‘Pass’ |
| 13 | Pass = 100  Defer = 40  Fail = 0 | ‘Total incorrect’ displayed | ‘Total incorrect’ displayed | ‘Pass’ |
| **Displaying Histogram** | | | | |
| 14 | Program loops | Predicts multiple progression outcomes |  |  |
| 15 | Enter ‘q’ to quit | Exits loop | Exits loop | ‘Pass’ |
| 16 | Exit loop | Progress 1 : \*  Trailer 2 : \*\*  Retriever 4 : \*\*\*\* Excluded 1 : \*  8 outcomes in total | Progress 1 : \*  Trailer 2 : \*\*  Retriever 4 : \*\*\*\*  Excluded 1 : \*  8 outcomes in total | ‘Pass’ |