

	Focus	Characteristics / Details of programs stuck here	Outcome
0	Does It Run / Compile?	<ul style="list-style-type: none"> Program doesn't compile / doesn't run 	0%
1	Incomplete or Insufficient	<ul style="list-style-type: none"> Submission is insufficient Program crashes frequently Program has glaring issues Significant parts of assignment are missing or skipped 	59% or lower (depending on effort)
2	Topic At Hand Attempted	<ul style="list-style-type: none"> Program runs but produces incorrect / incomplete output Major bugs present Missing appropriate tools / current topic(s) from class 	60% – 69%
3	Semi-Functional Solution	<ul style="list-style-type: none"> Program generally works with some exceptions Medium sized bugs Program does not correctly follow assignment instructions Program is overly complex / confusing, but “it works” 	70% – 79%
4	Functional Solution	<ul style="list-style-type: none"> Program works correctly with minor or no issues Contains few, small bugs Unnecessary lines of code or large portions of “dead code” Minor deviations from assignment instructions Specific edge cases not caught / handled correctly Comments missing or insufficient Poor code organization (files, classes, functions, etc) 	80% – 89%
5	Comments And Style	<ul style="list-style-type: none"> Submission is correct, but code has stylistic issues Poor (vague or misleading) variable names Contains a very small, or minor and subtle bug Program may have too much or too little white space Program may contain very long lines Comments are missing or misleading / wrong 	90% – 95%
6	Perfect Submission	<ul style="list-style-type: none"> Program is “perfect” except for extremely pedantic issues Excellent comments (comments explaining “why”, not “what”) Great attention to UI detail 	95% – 100%

The idea behind this rubric is to place the submitted code into the hierarchy at the most appropriate level. The “focus” column provides a high-level description, and the “details” column lists specific attributes of code at that level. Once the level has been determined, feedback will consist of constructive criticism on the details of **that level only**. The grade assigned will **USUALLY** (but not always) be assigned based on the level.

For example, a program at level two will not receive any feedback about white space, which is addressed in level five. The idea is to grade complex assignments accurately, efficiently, and to provide feedback to students that is maximally important, yet limited in scope.