

Rubric - Unit Three Project Student Name: _____ Date: _____

Student uses for loops (4.01) | 3 | 2 | 1 | 0 | Points | :-: | :-: | :-: | :-: | :-: | Student uses 3 or more for loops correctly | Student use three for loops correctly | Student uses one or two for loops correctly | No evidence the student can use a for loop || Student always scopes the variables in for loops correctly | Student usually scopes the variables in for loops correctly | Student rarely scopes the variables in for loops correctly. | No evidence Student can correctly scope variables in a for loop || ||| **Sub Total** || ## Students can use the `range` and `len` functions (4.02) | 3 | 2 | 1 | 0 | Points | :-: | :-: | :-: | :-: | :-: | Student always uses the `range` and `len` functions correctly | Student generally uses the `range` and `len` functions correctly | Sometimes Student uses the `range` and `len` functions correctly | No evidence to that the student can use the `range` or `len` functions correctly || ||| **Sub Total** || ## Students can use nested for loops (4.03) | 3 | 2 | 1 | 0 | Points | :-: | :-: | :-: | :-: | :-: | Student uses 2 or more nested for loops | Student uses 1 nested for loop | Student attempted a nested for loop, but it was not correct | No evidence that Student can correctly use a nested for loop || ||| **Sub Total** || ## Student can use nested lists (4.04) | 3 | 2 | 1 | 0 | Points | :-: | :-: | :-: | :-: | :-: | Student correctly uses nested lists | _____ | Student attempts to use a nested list | No evidence that the student can use a nested list || ||| **Sub Total** || ## Student can decompose a problem to create a program from a brief | 3 | 2 | 1 | 0 | Points | :-: | :-: | :-: | :-: | :-: | Student program runs without error | The students program has a few errors, but it does not impact the program's functionality | Student program has errors that impact the program's functionality | Student program is not functional || | _____ | Students submitted documentation showing planning for most variables and functions. | Students submitted documentation showing planning for a few variables and functions. | No evidence of planning || ||| **Sub Total** || ## Student uses naming/ syntax conventions and comments to increase readability | 2 | 1 | 0 | Points | :-: | :-: | :-: | :-: | | Syntax conventions are generally used | Sometimes syntax conventions are used | No evidence of syntax conventions to aid in code readability || All variables have clear names | Some variables have clear names | No evidence of using variable names to aid in code readability || _____ | Student comments aid code readability | No evidence of using comments to aid in code readability. || ||| **Sub Total** || ## Final Grade | Points Possible | Points Earned x Weight | Total Points | :-: | :-: | :-: | | 31 | _____ X _____ ||