CodeAIR Remix Mastery Rubric		
Requirement	No evidence ←	
Programming Conventions are followed	 Variable names aren't descriptive Function names aren't descriptive Code blocks inconsistently indented Capital letters used Code is not organized into sections 	 Variable names are descriptive Function names are descriptive Code blocks consistently indented Use of lower case letters and underscores Code is organized into sections
Documentation and Readability	 No comments are used. Code is difficult to read because no blank lines were used, or too many blank lines were included. 	 Frequent and descriptive comments are used regularly. Blank lines are used to help with readability.
Use of Variables and constants	 "Magic Numbers" or literal values are used in the code. Data isn't tracked or updated (no counters, states, conversions, etc.). 	 Constants are used to eliminate "magic numbers." Variables are used for storing, keeping track of and updating data. Global and local variables are used.
Use of Functions	 No plan or algorithm to follow. Everything in one main program. Long sections of code. Functions use all global or all local variables (no use of parameters or return) 	 Code is divided into smaller sections that accomplish a task. Parameters are used as needed. Local and global variables are used as needed. Functions return a value as needed.
Use of libraries and modules	No libraries are imported.No custom modules are imported.	 Public libraries are imported, and functions used. Custom modules are imported, and functions used.
Use of Inputs Buttons and sensors	No input during program run. (from sensors or buttons)	Input is used during program run. (from sensors or buttons)
Algorithms and Programming	 No algorithms identified or used. Program does not utilize input Data structures are not used to simplify code. (such as lists and tuples) Debugging practices are not used and code contains errors. 	 Algorithms are used to manipulate data and get results. Data is used to inform decisions. Data structures are used to simplify data collection and implementation. (such as lists, tuples, etc) Debugging practices are used to correct errors in code and logic.
Control Structures	 Program does not have any branching statements. (if or if/else or if/elif/else) Program does not use any iteration. (while or for loops) 	 While loops and if statements are used to control the flow of execution. Conditional and logical operators are used appropriately. Nested while, if statements used when needed.
Use of Outputs LEDs, speaker, motors	 No output is produced; nothing happens. Console output is unstructured. 	 One or more outputs are used to convey data or perform a task. (motors, lights, speakers, etc.) Console output is formatted.
Collaboration	Students work independently or uncooperatively on a team.	Students work collaboratively with shared tasks in their team to complete the project.
Synthesis / Purpose	 No clear purpose for the program. Project does not incorporate learning across the mission pack. 	 Program's purpose is clearly understood. Project combines learning, concepts and code from several missions.
Code Completion	Code will not run or doesn't complete the task correctly.	Code runs and accomplishes its task without any errors, including logic.