

## Rubrics for Programming Paradigm: Advanced Java Practicum 2

CRITERIA	DESCRIPTION	FEEDBACK
Successful implementation of program using the Command Design Pattern	The program implementation and code structure reflect the Command Design Pattern.	
Successful execution of program based on valid input.	Using correct and valid input values, the program can add, modify, remove, display and store data correctly 90% of the time.	
Proper usage of access and non-access modifiers	Using correct access and non-access modifiers on the program's variables and methods	
Proper implementation of the regular expression	The program uses a regular expression to filter out invalid emails successfully.	
Proper implementation and usage of the Java Collection Framework	The program uses the <code>Stack</code> and <code>ArrayList</code> structures from the Java Collection Framework to correctly implement the command history and data store, respectively.	
Successful read from and write to file	The program can successfully process data read from an external file and write processed data to an external file.	

Program able to handle erroneous scenarios	Using any invalid inputs, the program can handle more than 80% of the errors and does not result in abrupt termination or incorrect output.	
Proper display outputs (easy to read, etc.)	Program is to display proper human readable and easily understandable messages for every point of user interaction.	
Proper and consistent naming conventions.	Implemented program adheres to the Oracle Java Code Conventions.	
Proper and sufficient comments to explain code using Javadoc	<p>Implemented program has comments to document every critical and non-critical part of the program using Javadoc convention.</p> <p>In addition, the documentation is generable using the Javadoc tool.</p>	