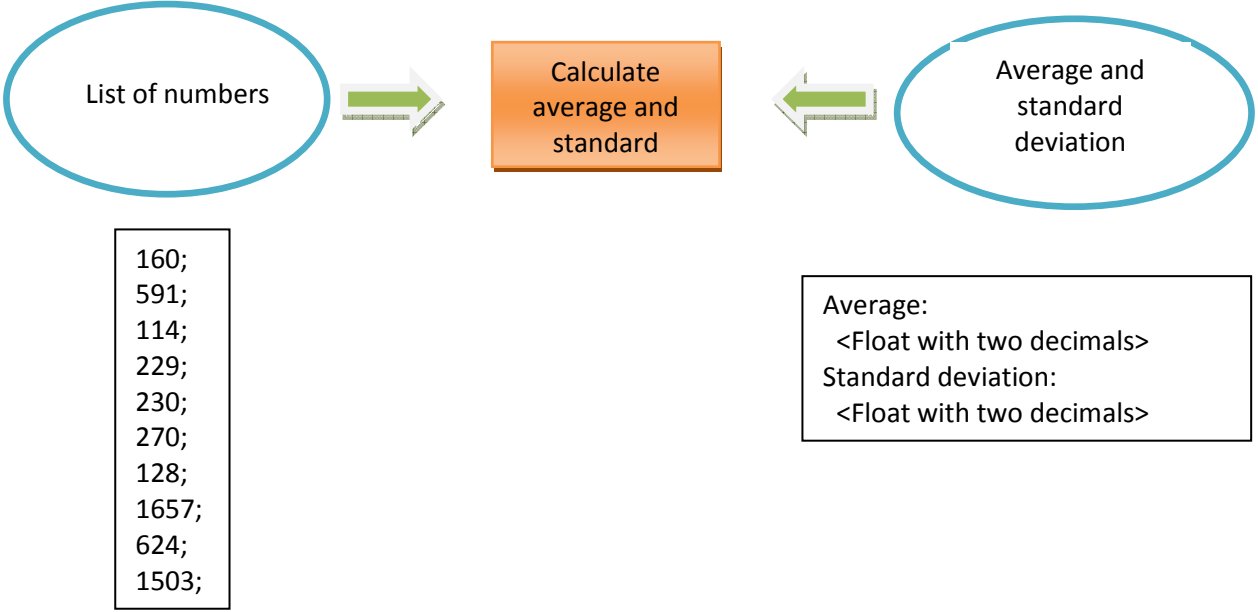


How to identify responsibilities using UML sequence diagrams – Example



CRC CARDS Driver program

Class	Driver program
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Responsibilities	Control the process of calculating the average and standard deviation	
	Pre-conditions	Input command has the expected structure
	Post-conditions	Average value
	Calculating the standard deviation of a linked list of numbers	
	Pre-conditions	A linked list of numbers
	Post-conditions	Deviation value

Collaborations	FileReader;StatisticalCalculator;FileGenerator
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CRC CARDS FileReader

Class	File Reader
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Responsibilities	Take the input file and generate a linked list of numbers	
	Pre-conditions	Correct file path
	Post-conditions	Linked list of numbers generated or an exception.

Collaborations	
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CRC CARDS Statistical Calculator

Class	Statistical Calculator
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Responsibilities	Control the process of calculating the average and standard deviation	
	Pre-conditions	Input command has the expected structure
	Post-conditions	Average value
	Calculating the standard deviation of a linked list of numbers	
	Pre-conditions	A linked list of numbers
	Post-conditions	Deviation value

Collaborations		
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CRC CARDS File Generator

Class	File Generator
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Responsibilities	Take the input file and generate a linked list of numbers	
	Pre-conditions	Correct file path
	Post-conditions	Linked list of numbers generated or an exception.

Collaborations		
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