

**22/SP-COP-2805C-61163 Java Advanced**

**Assignment 12.04**

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Created By: Tristan Rogers

# Document Version Control

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# Document Purpose

The purpose of this document is to demonstrate proper exception handling when receiving improper inputs within the Loan class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this program is to demonstrate proper exception handling within an existing class.

## Technical Implementation Components

* This program creates a loan using the parameters of annualInterestRate, numberOfYears, and loanAmount, using the current date as the loan date. There are accessors and mutators for these fields as well. Based on the data entered, the loan will be created and the monthly and total payment amounts will be displayed for the user. Exception handling is used within the main method for illegal arguments.

## Technical Implementation Pseudocode

*Create new loan*

*have user input information*

*if loan arguments are valid*

*create loan*

*else*

*Throw exception message*

## ExceptionHandling Implementation

The loan class was only modified by adding a main method to handle any exceptions. A try catch block was added to ensure that the loan values were valid. If not, and illegalArguementException will be thrown and a message will be displayed instead of crashing the program.