Logo

Description automatically generated

**22/SU-COP-2805C-72035 Java Programming**

**Exercise 13.9**

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# Document Version Control

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# Document Purpose

The purpose of this document is to define the updated EnableRectangleCompareable() class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this implementation is to validate if tow circles are equal.

## Technical Implementation Components

The class implementation allows the designer to validate if the provided radii of a circle are in fact equal.

This is done by overriding the compareto() method:

 @Override /\**\* Implement compareTo method* \*/

*public* int *compareTo*(Circle o) {

*if* (this.*radius* > o.*radius*)

*return* 1;

*else* *if* (this.*radius* < o.*radius*)

*return* -1;

*else*

*return* 0;

    }

Then overrinding the equals method in the object class:

 @Override /\**\* Return true if objects radii are the same* \*/

*public* boolean *equals*(Object o) {

*return* this.*compareTo*((Circle) o) == 0;

    }

If the compareto method returns 0 then the radii are equal.

## EnableRectangleCompareable Class Implementation

The implementation of this class allows the user to determine if the radii of two circles are in fact equal.