

# Geometric Area Calculator - Project Documentation

## Project Overview

This Java project demonstrates how to calculate the area for different geometric dimensions based on the number of parameters passed. The project utilizes Eclipse as the IDE and Java programming language.

## Requirements

1. Java Project: Create a new Java project in Eclipse.
2. Package Creation: Create a package inside the Java project.
3. Parent Class: Create a parent class inside the package with a method to display the area.
4. Child Classes: Develop child classes within the same package.
5. Constructors: Implement constructors for the child classes.
6. Area Calculation: Create methods in child classes to calculate area.
7. Object Creation: Instantiate objects for all classes created.
8. ArrayList Usage: Utilize an ArrayList to store the created objects.
9. Display Areas: Display all calculated areas using a loop.
10. Exception Handling: Implement try-catch-finally to handle exceptions.
11. Run the Program: Execute the Java program to see the results.

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