

Project 1

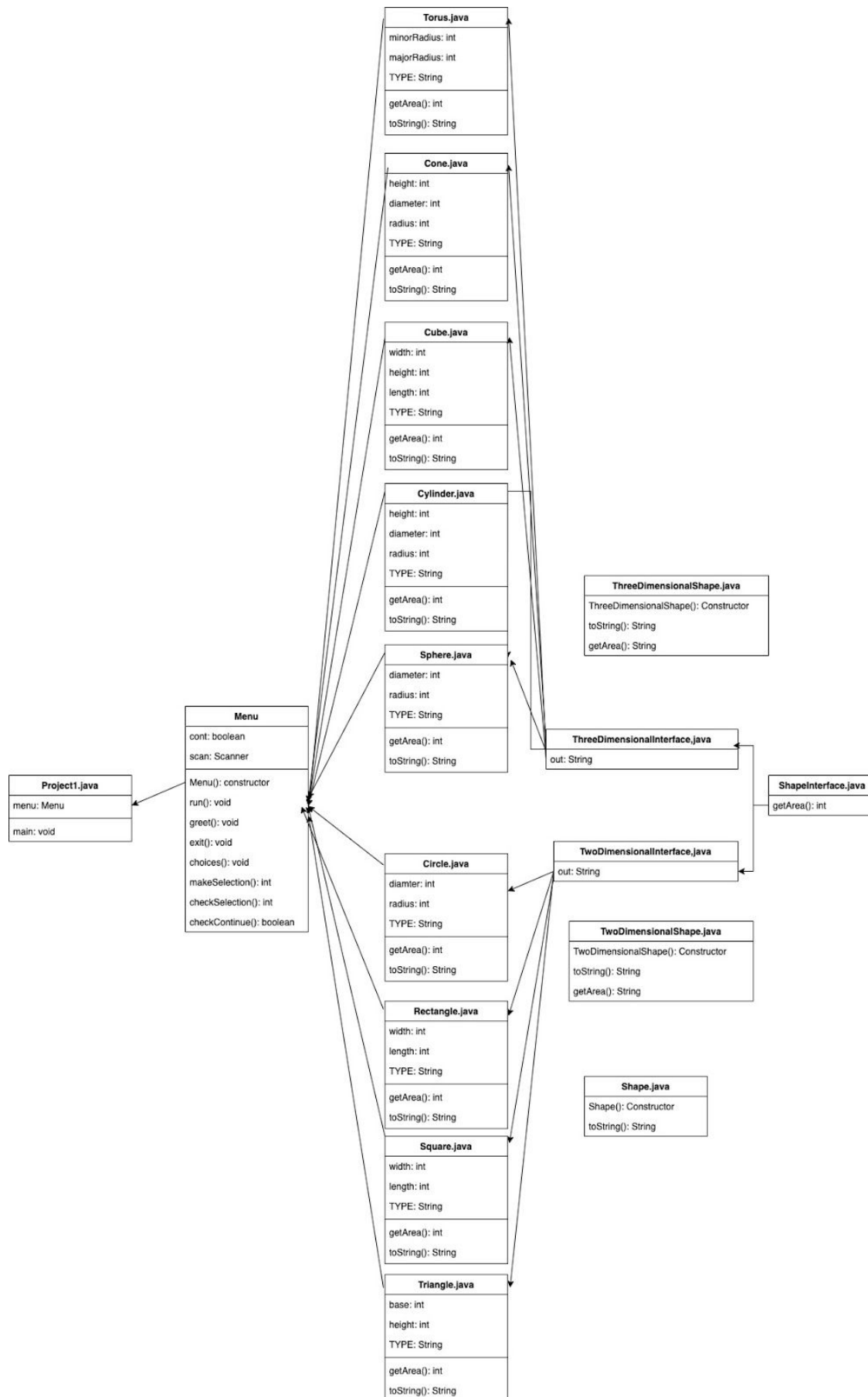
Yael R Brown-Evans

CMSC 335 6380

September 1, 2020

For Professor Osama Morad

University of Maryland Global Campus



Test Cases:

<p>Selection: 9 Major radius: 12 Minor radius: 15</p>	<p>Expected Result: 7106</p>	<pre> Select from the menu below: 1. Construct a Circle 2. Construct a Rectangle 3. Construct a Square 4. Construct a Triangle 5. Construct a Sphere 6. Construct a Cube 7. Construct a Cone 8. Construct a Cylinder 9. Construct a Torus 10. Exit the program 1 Enter major radius: 12 Enter minor radius: 15 The area of the torus is: 7106 Would you like to continue? (Y or N) Y Thank you for using the program. Today is Sep 01 at 06:15 PM Process finished with exit code 0 </pre>
<p>Selection: 4 Base: 10 Height: 5</p>	<p>Expected Result: 25</p>	<pre> ***** Welcome to the Java 00 Shapes Program ***** Select from the menu below: 1. Construct a Circle 2. Construct a Rectangle 3. Construct a Square 4. Construct a Triangle 5. Construct a Sphere 6. Construct a Cube 7. Construct a Cone 8. Construct a Cylinder 9. Construct a Torus 10. Exit the program 4 Enter base: 10 Enter height: 5 The area of the triangle is: 25 Would you like to continue? (Y or N) </pre>
<p>Selection: 13</p>	<p>Expected Result: Invalid Selection</p>	<pre> ***** Welcome to the Java 00 Shapes Program ***** Select from the menu below: 1. Construct a Circle 2. Construct a Rectangle 3. Construct a Square 4. Construct a Triangle 5. Construct a Sphere 6. Construct a Cube 7. Construct a Cone 8. Construct a Cylinder 9. Construct a Torus 10. Exit the program 13 Invalid selection! Try again ! </pre>
<p>Selection: 1 Diameter: 10</p>	<p>Expected Result: 612</p>	<pre> ***** Welcome to the Java 00 Shapes Program ***** Select from the menu below: 1. Construct a Circle 2. Construct a Rectangle 3. Construct a Square 4. Construct a Triangle 5. Construct a Sphere 6. Construct a Cube 7. Construct a Cone 8. Construct a Cylinder 9. Construct a Torus 10. Exit the program 1 Enter diameter: 10 The area of circle is: 612 </pre>