Jeff Registre

Project 2: Task 2

1. **Equivalence classes**

|  |  |  |
| --- | --- | --- |
| Parameter | Equivalence Class | Representative |
| initialSquare | 1.1: Valid Square | Square(0,0,2) |
| subdivisions | 2.1: 0 ≤ subdivisions ≤ 5 | 4 |
| InitialSquare | 1.a: Not Square object | Circle |
| subdivisions | 2.a: < 0, > 5 | -2 |

1. **Test cases**

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case ID | initialSquare | subdivisions | Exp.Result(count) |
| TF#1 | Square(0,0,2) | 4 | 585 |
| TF#2 | Circle | -1 | ERROR |

1. **Boundary value analysis**

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Boundary Values** | **Test Case ID** |
| initialSquare | Valid Square | TF#1 |
| subdivisions | (0, 5) | TF#2 |