1. table of assets

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Assets | S | T | R | I | D | E |
| Scanner for input | Checkmark |  |  | Checkmark | Checkmark |  |
| Parking charge obj |  |  |  |  |  |  |
| Parking charge calculator |  |  |  |  | Checkmark |  |
| Memory |  | Checkmark |  | Checkmark |  |  |

1. DFD

A screenshot of a cell phone

Description automatically generated

1. Table of vulnerabilities

|  |
| --- |
| Input validation |
| Customer authentication |
| Denial of service |

1. Table of possible threats

|  |
| --- |
| Spoofing |
| Tampering |
| Information Disclosure |
| Denial Of Service |

1. Report

The system has a few vulnerabilities and limited possible threats because it is a quite short program. First, I identify the assets this system has then relate the assets to the STRIDE, after that, I can make the table of vulnerabilities by check the code to see if any part involved with STRIDE. Due to the program has no authentication and run on JVM, I concluded that this system has Spoofing and Denial of service, those kinds of threads. Also, since it has memory storage involved, it may have tampering and information disclosure threads.