**PRODUCT FUNCTIONAL DOCUMENT**

Equivalence partitions

|  |  |  |  |
| --- | --- | --- | --- |
| Partition ID | Input variable | Valid partition | Invalid partition |
| 1 | Pid | Int | Double |
| 2 | Pid | 3345 | ‘abc’ |
| 3 | Name | String | Float |
| 4 | name | ‘T shirt” | 4 |
| 5 | Price | Double | String |
| 6 | Price | 5.99 | ‘$5’ |
| 7 | Stock | Int | double |
| 8 | Stock | 5 | 4.5 |

Functional Test cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test ID | Test inputs | Expected output | Partition ID covered |
| 1 | Price =14.99 | Price = $14.99 | 6 |
| 2 | Price = ‘$5.00” | INVALID | 6 |
| 5 | Stock = 12 | Stock =12 | 7 |
| 6 | Stock = 5 | Stock = 5 | 2 |
| 7 | Stock = 3.5 | INVALID | 8 |
| 9 | Pid = abcdef | INVALID | 2 |
| 10 | Pid = 123456 | Pid = 123456 | 1 |
| 11 | Pid = 123abc | INVALID | 2 |
|  | Name = 12345 | INVALID | 3 |
|  | Name =  Abcde | Product = Abcde | 4 |
|  |  |  |  |
|  |  |  |  |

Junit test implementation

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedA screenshot of a cell phone

Description automatically generatedA screenshot of a computer

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