| Partition ID | Input variable | Valid Partition | Invalid Partition |
| --- | --- | --- | --- |
| **1** | 0<menu choice<6 | Yes | No |
| **2** | menu choice<1 | No | Yes |
| **3** | menu choice > 5 | No | Yes |
| **4** | menu choice = alphabet character | No | Yes |
| **5** | menu choice= real number | No | Yes |
| **6** | 0<restaurant<4 | Yes | No |
| **7** | restaurant < 1 | No | Yes |
| **8** | restaurant > 3 | No | Yes |
| **9** | restaurant = alphabet character | No | Yes |
| **10** | restaurant = real number | No | Yes |
| **11** | sams place input = string from displayed menu | Yes | No |
| **12** | sams place input = number | No | Yes |
| **13** | sams place input= alphabet character | No | Yes |
| **14** | one guys input = string from displayed menu | Yes | No |
| **15** | one guys input = number | No | Yes |
| **16** | one guys input = alphabet character | No | Yes |
| **17** | lous bbq input= string from displayed menu | Yes | No |
| **18** | lous bbq input= number | No | Yes |
| **19** | lous bbq input = alphabet character | No | Yes |
| **20** | item input = string from displayed menu | Yes | No |
| **21** | item input = number | No | Yes |
| **22** | item input = alphabet character | No | Yes |
| **23** | meal card deposit= integer > -1 | Yes | no |
| **24** | meal card deposit= alphabet character | No | Yes |
| **25** | meal card deposit = real number | No | Yes |
| **26** | raider cash deposit= integer > -1 | Yes | No |
| **27** | raider cash = alphabet character | No | Yes |
| **28** | raider cash deposit = real number | No | Yes |
| **29** | name = any string | Yes | No |
| **30** | access= any string | Yes | No |
| **31** | address = any string | Yes | No |
| **32** | age = integer | Yes | No |
| **33** | age= string | No | Yes |
| **34** | age = real number | No | Yes |
| **35** | age = alphabet character | No | Yes |
| **36** | age = negative number | No | Yes |
| **37** | 0<permissions menu <4 | Yes | No |
| **38** | permissions menu<1 | No | Yes |
| **39** | permissions menu >3 | No | Yes |
| **40** | permissions menu = string | No | Yes |
| **41** | permissions menu = real number | No | Yes |
| **42** | update permissions = any string | Yes | no |

| Test ID | Test Inputs | Expected Output | Partition ID Covered |
| --- | --- | --- | --- |
| **1** | 1 | goes to menu option 1 | 1 |
| **2** | -1 | error | 2 |
| **3** | 6 | error | 3 |
| **4** | a | error | 4 |
| **5** | 2.5 | error | 5 |
| **6** | 2 | goes to one guys menu | 6 |
| **7** | -1 | error | 7 |
| **8** | 4 | error | 8 |
| **9** | a | error | 9 |
| **10** | 1.5 | error | 10 |
| **11** | Hamburger | Buys a hamburger | 11 |
| **12** | 1 | error | 12 |
| **13** | a | error | 13 |
| **14** | Pizza | Buys a Pizza | 14 |
| **15** | 1 | error | 15 |
| **16** | a | error | 16 |
| **17** | Ribs | Buys ribs | 17 |
| **18** | 1 | error | 18 |
| **19** | a | error | 19 |
| **20** | Pen | Buys a Pen | 20 |
| **21** | 1 | error | 21 |
| **22** | a | error | 22 |
| **23** | 50 | Deposits amount | 23 |
| **24** | a | error | 24 |
| **25** | 2.5 | error | 25 |
| **26** | 50 | Deposits amount | 26 |
| **27** | a | error | 27 |
| **28** | 2.5 | error | 28 |
| **29** | mike | Saves as students name | 29 |
| **30** | weymouth | Saves as students access | 30 |
| **31** | 1234 Street | Saves as students address | 31 |
| **32** | 22 | Saves as Students age | 32 |
| **33** | twenty-two | error | 33 |
| **34** | 22.2 | error | 34 |
| **35** | a | error | 35 |
| **36** | -22 | error | 36 |
| **37** | 1 | goes to menu option 1 | 37 |
| **38** | 0 | error | 38 |
| **39** | 4 | error | 39 |
| **40** | hjfggd | error | 40 |
| **41** | 2.5 | error | 41 |
| **42** | weymouth | Saves as students access | 42 |