# 1. Equivalence Partitioning / Boundary Value Analysis – Age Checker.1

| Equivalence Partitioning | | |
|---|---|---|
| **TC** | **INPUT** | **RESULT** |
| TC1 | -10 | Error |
| TC2 | 5 | Child |
| TC3 | 17 | Teenager |
| TC4 | 50 | Adult |
| TC5 | 100 | Elder |
| TC6 | 200 | Error |

| 3 Boundary Value Analysis | | | |
|---|---|---|---|
| **TC** | **INPUT** | **RESULT** | **NOTE** |
| TC1 | -1 | Error | |
| TC2 | 0 | Child | It's not clear! |
| TC3 | 1 | Child | |
| TC4 | 12 | Child | |
| TC5 | 13 | Teenager | |
| TC6 | 14 | Teenager | |
| TC7 | 19 | Teenager | |
| TC8 | 20 | Adult | |
| TC9 | 21 | Adult | |
| TC10 | 64 | Adult | |
| TC11 | 65 | Elder | |
| TC12 | 66 | Elder | |
| TC13 | 149 | Elder | |
| TC14 | 150 | Elder | It's not clear! |
| TC15 | 151 | Error | |
| TC16 | abc | Error | |
| TC17 | 12.5 | Child | |
| TC18 | Special character | Error | |

## 2. Equivalence Partitioning / Boundary Value Analysis.

| Equivalence Partitioning | | |
|---|---|---|
| **TC** | **INPUT** | **RESULT** |
| TC1 | 8:00AM | Full ticket |
| TC2 | 1:00PM | Saver ticket |
| TC3 | 6:00PM | Full ticket |
| TC4 | 8:00PM | Saver ticket |

| 2 Boundary Value Analysis | | |
|---|---|---|
| **TC** | **INPUT** | **RESULT** |
| TC1 | 9:29AM | Full ticket |
| TC2 | 9:30AM | Saver ticket |
| TC3 | 3:59PM | Saver ticket |
| TC4 | 4:00PM | Full ticket |
| TC5 | 7:29PM | Full ticket |
| TC6 | 7:30PM | Saver ticket |

Note: The SRS are not clear. Does the train run 24 hours? It is not clear in which part the boundary value is included.

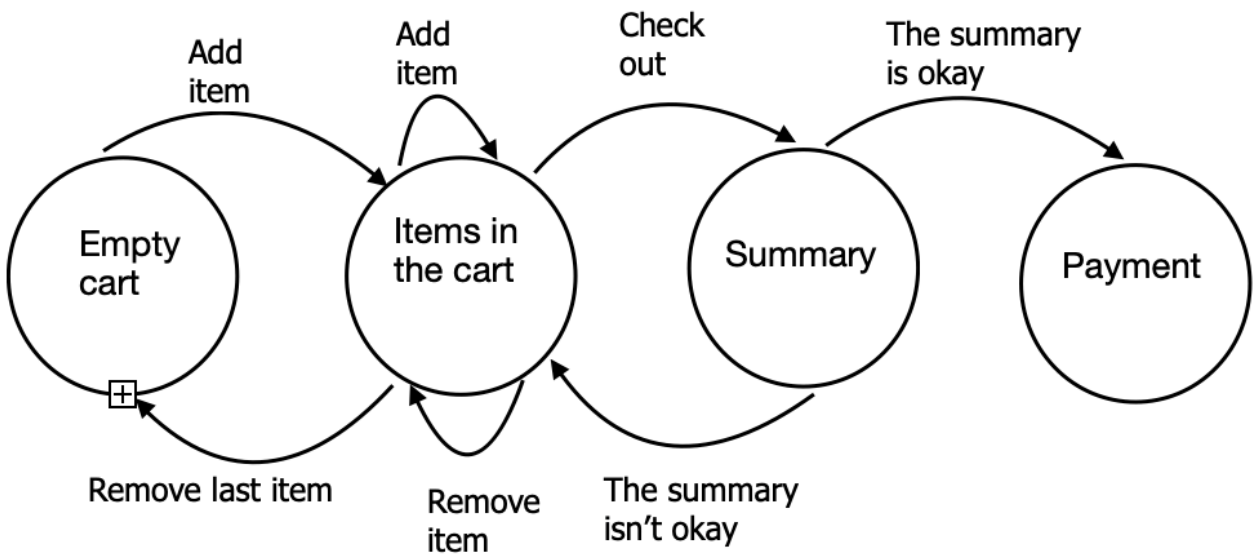
## 3. Simplest Decision Table.

| Simples Decision Table | | | |
|---|---|---|---|
| **TC** | Participant wants to book Yoga class | Participant is a member | Result |
| TC1 | T | T | Online |
| TC2 | T | F | Phone call |
| TC3 | F | T | X |
| TC4 | F | F | X |

# 4. Decision Table.

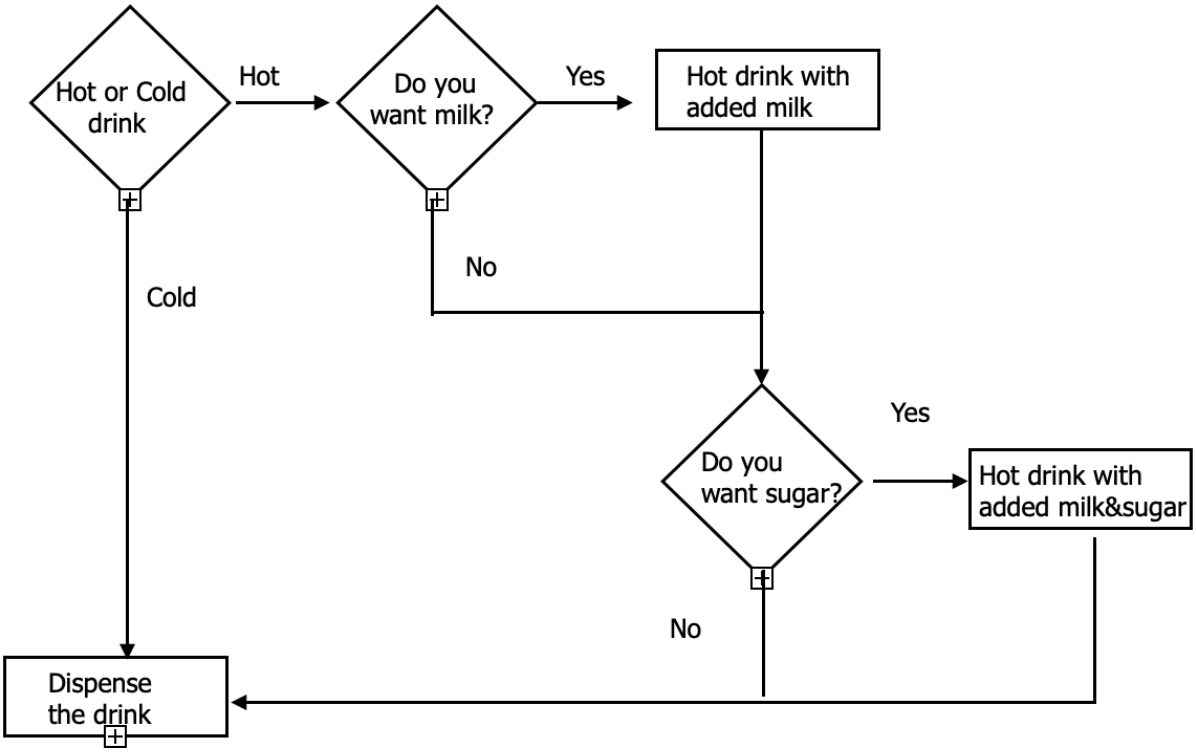
| Decision Table | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **TC** | TC1 | TC2 | TC3 | TC4 | TC5 | TC6 | TC7 | TC8 |
| Over 60s rail card | T | T | T | T | F | F | F | F |
| Family card | T | T | F | F | T | T | F | F |
| Travel with child | T | F | T | F | T | F | T | F |
| Result/discount | X | X | 34% | 34% | 50% | 10% | 0% | 0% |

# 5. State Transition.




| State table | | | | | | |
|---|---|---|---|---|---|---|
| **Current State** | **Add item** | **Remove item** | **Remove last item** | **Check out** | **The summary is not okay** | **The summary is okay** |
| Empty cart-S1 | S2 | —— | —— | —— | —— | —— |
| Cart with items-S2 | S2 | S2 | S1 | S3 | —— | —— |
| Summary-S3 | —— | —— | —— | —— | S2 | S4 |
| Payment-S4 | —— | —— | —— | —— | —— | —— |

# 6. Statement and Decision Testing.




# 7. Pairwise Testing.

| | List box | Radio button | Checkbox | |
|---|---|---|---|---|
| **1** | 0 | on | checked | |
| **2** | 0 | off | unchecked | |
| **3** | 1 | off | checked | |
| **4** | 1 | on | unchecked | |
| **5** | 2 | on | checked | |
| **6** | 2 | off | unchecked | |
| **7** | 3 | off | checked | |
| **8** | 3 | on | unchecked | |
| **9** | 4 | on | checked | |
| **10** | 4 | off | unchecked | |
| **11** | 5 | off | checked | |
| **12** | 5 | on | unchecked | |
| **13** | 6 | on | checked | |
| **14** | 6 | off | unchecked | |
| **15** | 7 | off | checked | |
| **16** | 7 | on | unchecked | |
| **17** | 8 | on | checked | |
| **18** | 8 | off | unchecked | |
| **19** | 9 | off | checked | |
| **20** | 9 | on | unchecked | |

- The positive test cases that would cover every single possibility are 40.
- Pairwise test cases are 20.

## 8. Use Case Testing/ Online Movie Ticket Booking System.

| Use Case Testing |
| --- |
| 1. Try to search for a movie without being logged |
| 2. Try to search for a movie being logged |
| 3. Select movie with available showtime |
| 4. Select movie with not available showtime |
| 5. Try to select booked seat |
| 6. Try to select desired free seat |
| 7. Provide wrong payment information |
| 8.After booking check the user’s booking history |
| 9. After booking check user’s email |