

Bugs

No date checks

No checks for gender

No checks for location IDs — Can cause late crash

Family name double input

No checks for class ID — Can cause late crash

No checks for family members count — Valid: [1, 20], can cause crash

No check for valid numerical input — Will cause infinite loops

Carmel's function → possible to enter start > end dates without error message

not serious, managed by internal logic, but looks weird.

Anton's function → in case of corrupted data, no checks are made,

thus leading to a crash.

Stats[TD.disembarking-point-id - 1] ++;

↑
if value < 0 or value > 15 will crash.

input checks are at fault but it's possible to prevent

the crash via a validity check.

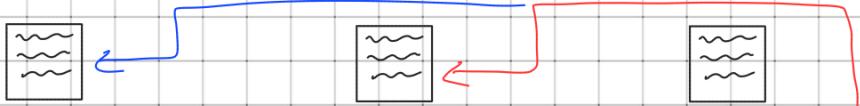
another bug: reads garbage memory.

```
void printStats(int* stats) // print the hottest and least hottest locations
{
    int maxIndex = 0, minIndex = 0;
    for (int i = 1; i < 15; i++)
    {
        if (stats[i] > stats[maxIndex])
            maxIndex = i;
        if (stats[i] < stats[minIndex])
            minIndex = i;
    }
}
```

→ Stats = { 0 }

```
int* Statistics() // get the amounts of travelers to the same destination
{
    TravelDetails TD;
    FileManager<TravelDetails> fm;
    int last_code = settings.last_travel_code;
    int stats[15] = { 0 }; → passed to another function
```

thus has to be allocated AND freed.



Main Menu → 2. Existing User → 3. Edit Details → 2 Delete

after deleting a record, user is navigated to wrong menu (Information Center)

must be navigated to main menu

Grammar

Family Details \rightarrow No of People Travelling \rightarrow number of family members

Travel Details \rightarrow # $\star 3$ Class \rightarrow $\star 3$ Booking Class

$\star 5$. Gymnasium \rightarrow 5. Gym

6. Sports \rightarrow 6. Sport Facilities

edit code \rightarrow 7. Salon \rightarrow 7. Spa Salon

logic as well
Why? consistency \rightarrow 8. Spa \rightarrow 8. Beauty Salon

align spacing as well...

for example: $\star 3 . \quad | B \circ o \dots$
4 . $\quad | S w i \dots$
S . $\quad | G y m$

Main menu:

Print Travels $\underline{\text{of}}$ Destination in timespan \rightarrow Print Bookings $\underline{\text{by}}$ Destination in timespan

\star also, invalid dates are discarded without an error message

so it feels like the program is stuck in a loop.

Statistics \star The least hottest destination... \rightarrow The least travelled destination...