

# Report

The following are some of the errors in the code provided by ChatGPT:

## Counting numbers of each ticket sold

### Incorrect behaviour

The code only counts the number of tickets sold in the last transaction, rather than incrementing for a total count.

### Offending lines

```
print(f"Adult tickets sold: {adult_tickets}")
print(f"Child tickets sold: {child_tickets}")
print(f"Concession tickets sold: {concession_tickets}")
```

## Checking for valid input after each entry

### Incorrect behaviour:

The program only checks if the values entered by a user are non-negative after all have been entered, and then all need to be entered again.

### Offending lines

```
if adult_tickets < 0 or child_tickets < 0 or concession_tickets < 0:
    raise ValueError
if adult_tickets == 0 and child_tickets == 0 and concession_tickets == 0:
    raise ValueError
```

## Ensuring valid transactions have a ticket

### Incorrect behaviour:

If a transaction does not include any tickets, the code responds "Invalid input. Please enter a non-negative integer." rather than something like "There must be at least one ticket in the transaction!"

### Offending lines:

```
if adult_tickets == 0 and child_tickets == 0 and concession_tickets == 0:
    raise ValueError
```

and

```
except ValueError:
    print("Invalid input. Please enter a non-negative integer.")
```

# Ensuring there is a sale

## Incorrect behaviour:

If user initially answers that there is no new sale, a `NameError` is raised

## Offending lines:

```
print(f"Adult tickets sold: {adult_tickets}")
```

# Checking if there is another sale

## Incorrect behaviour:

If user answers with anything other than "yes" or "no" to whether there is a new sale, it is assumed to be "yes"

## Offending lines:

```
if new_sale.lower() == "no":  
    break
```