

A: Planning

Client: Escape Room

Scenario

The client is an older man who owns an escape room. He is struggling to make the switch from analog to digital systems for his business. After consulting him, I found that he was struggling with using programs that were not user-friendly as someone who was new to technology. He wanted to be able to keep track of his employees and his bookings. For the employees, he asks that he can manage their wages and comments regarding their work performance as well as identify them by name. For the bookings, he asked that he could manage customer information and information related to the booking. Finally, he wants a program in which he can enter information regarding a booking and get a simple receipt in a file document for him to print out.

Justification

I decided java would be best to use for this task because file io in java will allow to put the receipts in a file easily and creating java files for bookings and employees will be the easiest way to assign specific attributes to each individual employee or booking. I suggested a simple program in which he can have a centralized system with built-in error checking that would allow him to easily keep track of his bookings and employees for his escape room. This program will allow him to store employee names, hourly wages, and work performance. He can also keep track of each booking as well as attributes for the booking. These attributes include the customer's information (name, email, and phone number), date of booking, time for booking, which escape room they will be playing in, number of players, discount (if applicable), and whether the customer has completed the waivers. The owner can also edit the wages and comments for his employees easily with this user-friendly program as well as view information about an employee and add new employees. He can create new bookings and view all bookings created. When a new booking is created, a receipt is appended to a file storing all customer receipts from any transactions made. The receipt includes the name of the customer, the date they are participating in the escape room, and their total cost in a neat and easy to read format.

Success Criteria

- The client can comfortably navigate the user-friendly program.
- The program allows users to input new employees into the database with attributes.
- The program allows users to input new bookings into the database with attributes.
- Program writes receipts into a text file when a new booking is made.
- Users can change the wages and make comments on the employee's performance.
- Users can pull up all bookings that have been made in order from earliest time of participation to latest.