Hotel Booking System

START

↓

INPUT
Username and
Password

↓

Is user logged in?

↓

INPUT
Menu Option

↓

Is Menu Option == 1? — Yes → Search for Hotels

No

↓

Is Menu Option == 2? — Yes → View Booking Details

No

↓

OUTPUT
Invalid Menu Option

↓

END

```
                        ┌─────────────────┐
                        │ Search for Hotels │
                        └─────────────────┘
                                 │
                                 ▼
                        ╱─────────────────╲
                       ╱  INPUT            ╲
                       ╲  Destination, Dates,╱
                        ╲ Guests           ╱
                         ╲───────────────╱
                                 │
                                 ▼
                        ┌─────────────────┐
                        │ Search Database  │
                        └─────────────────┘
                                 │
                                 ▼
                        ╱─────────────────╲
                       ╱  OUTPUT           ╲
                       ╲  Available Hotels ╱
                        ╲───────────────╱
                                 │
                                 ▼
                              ◇
               No        ◇ Is hotel selected? ◇
          ◄──────────────◇                  ◇
                              ◇
                                 │ Yes
                                 ▼
                        ┌─────────────────┐
                        │ Select Room      │
                        └─────────────────┘
                                 │
                                 ▼
                        ╱─────────────────╲
                       ╱  OUTPUT           ╲
                       ╲  Room Details     ╱
                        ╲ Confirmation    ╱
                         ╲───────────────╱
                                 │
                                 ▼
                              ◇
              No         ◇ Has user confirmed ◇
          ◄──────────────◇    choice?        ◇
                              ◇
                                 │ Yes
                                 ▼
                        ┌─────────────────┐
                        │ Make Payment     │
                        └─────────────────┘
                                 │
                                 ▼
          ╱──────────╲        ◇
         ╱ OUTPUT     ╲  No ◇ Is payment successful? ◇
         ╲ Error Processing◄─◇                      ◇
          ╲ Payment  ╱      ◇
           ╲────────╱          │ Yes
                                 ▼
                        ╱─────────────────╲
                       ╱  OUTPUT           ╲
                       ╲  Booking Confirmed ╱
                        ╲───────────────╱
                                 │
                                 ▼
                        ┌─────────────────┐
                        │      END         │
                        └─────────────────┘
```

Search for Hotels

INPUT
Destination, Dates, Guests

Search Database

OUTPUT
Available Hotels

Is hotel selected? — No / Yes

Select Room

OUTPUT
Room Details Confirmation

Has user confirmed choice? — No / Yes

Make Payment

OUTPUT
Error Processing Payment

Is payment successful? — No / Yes

OUTPUT
Booking Confirmed

END