

PHUMLA SYSTEM README

Using the system:

Run it

Login using admin@phumla.com, 12345

Then choose your desired use case.

Note:

The customers SA Identity number is used as a customer ID, it is inherently unique so it can double as a unique identifier for the customer.

Scenario: Customer calls to query their booking, the clerk asks for their ID and uses Booking Search to find the details about the booking.

Valid ID's can be generated at: <https://www.axonwireless.com/toolbox/sa-id-number-generator/>

CUSTOMER LIST

Contains a list of all the customers in the company database along with their details.

The details include ID, Name, Surname, Phone, Email, Address, Balance and Status.

Nothing fancy just a comprehensive view of the customers.

CREATE NEW CUSTOMER

Allows the creation of a new customer

Data Requirements (the system will check):

Customer ID

-Must not be an existing customer

-Must be a valid South African ID number

Name

Surname

Home Address

Email Address

-Must be a valid email(something@something.com)

Phone Number

Must be digits

Status

Balance

Mistake prevention, drop downs and value adjusters are used in the input for Status and Balance to avoid errors.

Various pop ups are shown to guide the user if they make a mistake or haven't filled all fields.

Finally, a popup is displayed upon successful customer creation.

BOOKING SEARCH

Allows for the searching of bookings(enquiring)

Uses the customer ID to search for the booking, that said, the ID must be valid (13-digits, the system will check)

If the booking does not exist, a popout appears alerting the user, else simple booking details are displayed.

CREATE BOOKING

Allows the making of a booking

Data Requirements (the system will check):

Customer ID

-Must be an existing customer, the system will automatically take the user to create a customer if they don't exist.

-Must be a valid South African ID number

Number of Guests

Check in date

Check out date

-The dates must be logical(out>in)

Special requirements

Similar mistake prevention is applied

Upon successful booking creation, the system proceeds to the payment screen.

After successful payment, an email is sent to the customer.

Currently allows 1 booking per customer (but can easily be adapted)

CHANGE BOOKING

Allows the user to edit the booking, enables manual editing of the booking.

CANCEL BOOKING

Allows cancellation of the booking

Note that the user's credentials are required to cancel a booking to ensure that it is their intent (avoid mis-cancellations).

REPORTS

The system supports report generation (2 types)