David Ortiz
IST 311 Group 2
Pool Access System
8/28/18

Look-up Customer

Functional Requirement:

The functional requirement of Look-up Customer use case is that the application displays a searchable table of all registered pool customers that match the search criteria.

Non-functional requirements:

- Search table is updated instantly and constantly on key release
- Search results are selectable and needs to display buttons to check in/out and display customer profile, depending on actor type (operator or admin)

Task Analysis:

1. Pool Operator or Admin (the actor) select Search Customer from Main Menu
2. The screen displays a search bar which is used to locate specific customer by name, address, or phone number
3. The actor clicks on customer result and clicks Check-In
4. The system adds the customer checked in to the list of current swimmers

Design Challenges:

- Customer information needs to be accurate
- The application has to determine user's role (operator or admin)
- Display check in or out appropriately depending on customer's state
- Customer database has to be accurate and updated for new customers
- The workflow needs to be easy to follow to avoid confusion and mistakes
- Clickable search results needs to display data pertaining to selected customer only

Pre- and Post-conditions:

Pre-conditions	Post-conditions
Actor role needs to be specified	Search accurately displayed results
Customer must be present in front desk	Actor was able to view customer profile
Customer must be registered	Actor successfully changed customer's state
List of registered customers updated	