Michael Flores\_ Project Proposal

# Statement of Purpose

* Title: Booking Application
* Purpose: Allow small business/owners/operators flexibility with their bookings, primarily to deal with customer cancellations and no-shows
* Why: Reduce the impact of cancellations and no-shows to the bottom line for small business owners/operators and allow more flexibility to customers.

# Runtime Environment

* Desktop or Mobile

# Information Needed

* User Class
  + UserId
  + First Name
  + Last Name
  + Email/username
  + Password
  + Phone Number
  + Address
* ~~Customer Class : User Class~~
  + ~~Customer ID~~
* ~~Business Operator Class: User Class~~
  + ~~Operator ID~~
* Business Class
  + BusinessId
  + Business Name
  + Business Address
  + BusinessPhone
  + List DaysOfOperation
  + TimeSpan Hours of Operation Start
  + TimeSpan Hours of Operation End
  + Business Type
  + UserId
* Payment Class
  + PaymentId
  + Payment Type
  + Payment Data
  + Address link to payment type
  + Recurring
  + UserId
* Services Class
  + ServiceId
  + TypeOfService
  + Price
  + TimeSpan Time To Complete Service
  + TimeSpan Time Block Start
  + TimeSpan Time Block End
  + Appointment Inventory
  + DateTime ServiceDate
    - ServiceDate object
  + UseId
* ~~Calendar Class~~
  + ~~DateTime SelectedDate~~
    - ~~PickDate object~~
* Notifications Class
  + Notification ID
  + Notification Message
  + DateTime Notification Time
  + Methods()
    - Set Notification
    - Delete Notification
    - List Notifications
    - Update Notification
* Waitlist Class
  + WaitListId
  + DateTime Date Time Requested
  + UserId
  + Priority
  + ServiceId
* Utility Class
  + UserId
  + Username
  + UserRole
  + User CurrentUser
    - Owner/Operator
    - Customer

# Data to be Persisted (Data Base)

List what data would saved to a DB in the production application

* customer data
* owner data
* business information data
* waitlist
* business data
  + cancellations
  + no-shows
  + sales information
  + marketing information
* customer loyalty data

# App Concerns

* Need to handle PII in a secure manor
* Connecting the database

# User Interface Outline and Functional Flow

Can be an outline in writing, PowerPoint slides (one slide per screen)

# Special Features

* Push notifications (email or SMS)
  + Reminders
  + Cancellations
  + Waitlist