# Table tennis booking system

## Business Domain

### Schedule

The roster/ list of bookings made for a particular set of dates. Has a start date and end date. Contains a default list of the valid sessions and the number of tickets for each session.

### Session

A session that consists of a day of week and starting and ending time. May or may not be bookable (e.g. Mondays).

### Booking

The action of actually having a person booking a session on a set of days within a booking list.

### Ticket

Represents availability for a session

A person needs to register with the system with the following details:

* First Name
* Last Name
* Email Address
* Phone Number

## Booking a session

Session, Name, Mobile, Partner, Time, Day, Date

1. Get current schedule. Loop through sessions, show session
2. Session row consists of day of week and date and start and end time and “tickets”

## Admin Users

Can see the bookings page and the users that have booked for a particular session.

## Classes

|  |  |  |
| --- | --- | --- |
| Session Day: Date;  StartTime: Time;  EndTime: Time;  IsBookable: boolean;  DayName: string;  IsBooked: boolean;  PartnerName: string;  HasTickets: boolean; | Schedule StartDate: Date;  EndDate: Date;  Sessions: Session[]; | Booking Schedule: Schedule;  Session : Session;  BookedBy: Person;  Partner: Person;  CreatedDate: Date; |
| Person FirstName: String;  LastName: String;  Email: String;  Phone: String |  |  |