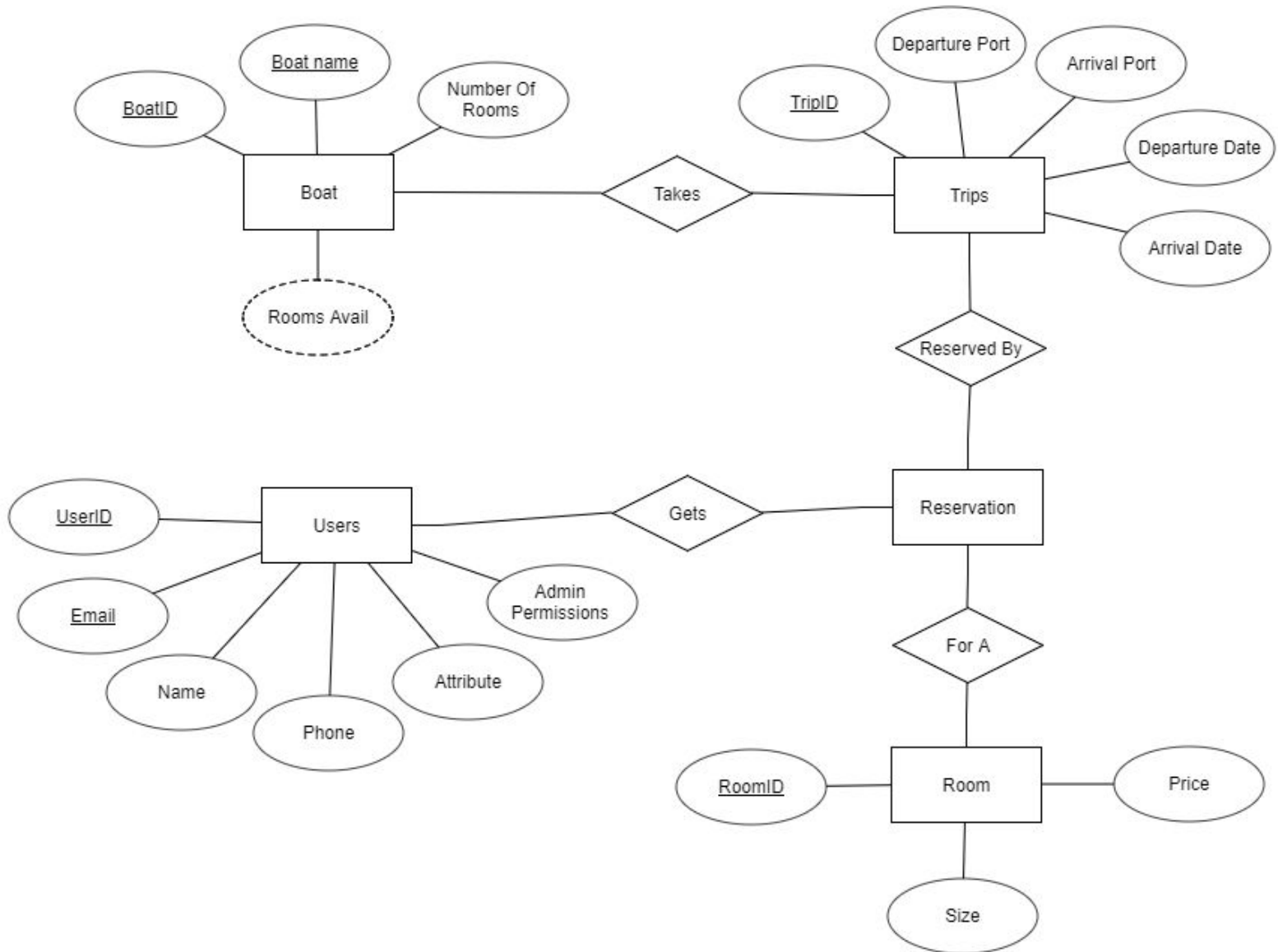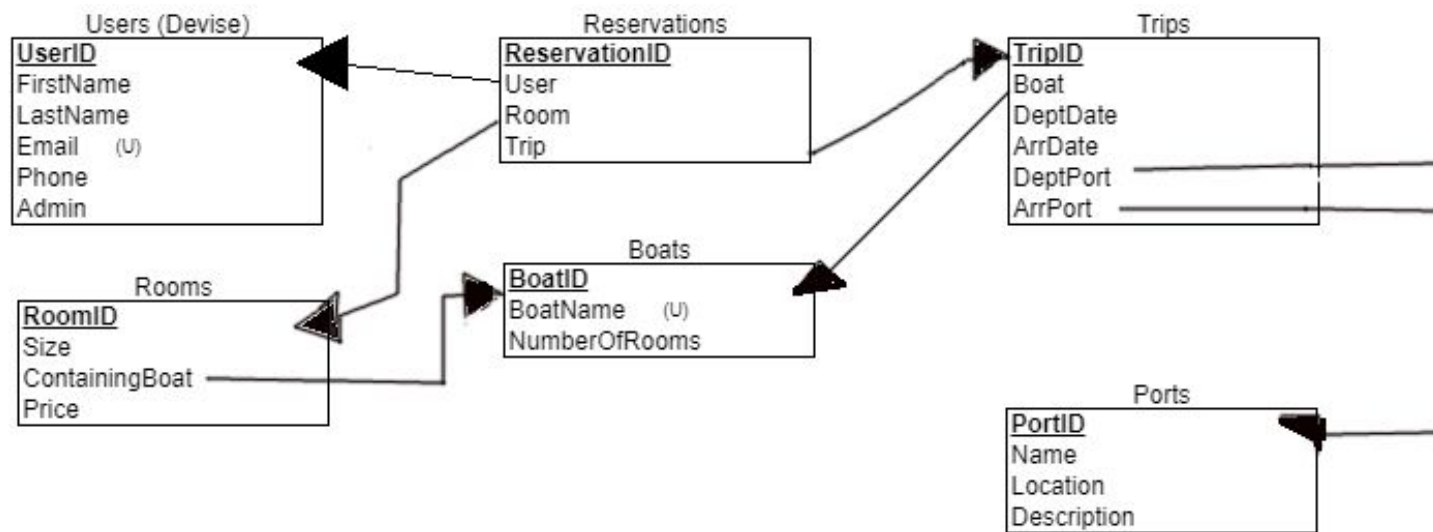# Voyagr

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# Contents

- General Overview
- Model
- Controllers
- Views
- Admin experience
- User experience
- Conclusion

# Boat

- BoatID
- Boat name
- Number Of Rooms
- Rooms Avail

**Takes**

# Trips

- TripID
- Departure Port
- Arrival Port
- Departure Date
- Arrival Date

**Reserved By**

# Reservation

# Users

- UserID
- Email
- Name
- Phone
- Attribute
- Admin Permissions

**Gets**

**For A**

# Room

- RoomID
- Price
- Size

**Users (Devise)**
UserID
FirstName
LastName
Email     (U)
Phone
Admin

**Reservations**
ReservationID
User
Room
Trip

**Trips**
TripID
Boat
DeptDate
ArrDate
DeptPort
ArrPort

**Rooms**
RoomID
Size
ContainingBoat
Price

**Boats**
BoatID
BoatName     (U)
NumberOfRooms

**Ports**
PortID
Name
Location
Description

# From Schema.rb-

t.index ["ArrPort_id"], name: "index_trips_on_ArrPort_id"
t.index ["DeptPort_id"], name: "index_trips_on_DeptPort_id"
t.index ["boat_id"], name: "index_trips_on_boat_id"

# Data Validation

## User Model

```ruby
class User < ApplicationRecord
  # Include default devise modules. Others available are:
  # :confirmable, :lockable, :timeoutable and :omniauthable
  devise :database_authenticatable, :registerable,
         :recoverable, :rememberable, :trackable, :validatable
  has_many :reservations, dependent: :destroy
  validates :email, presence: true, uniqueness: true, format: {with:/\A[\w+\-.]+@[a-z\d\-]+(\.[a-z\d\-]+)*
    \.[a-z]+\z/, message: "Invalid email format, please use a properly formatted email"}
  validates :fname, presence: true, length: {minimum: 1}
  validates :lname, presence: true, length: {minimum: 1}
  validates :phone, presence: true, format: {with: /\A(\+\d{1,2}\s)?\(?\d{3}\)?[\s.-]?\d{3}[\s.-]?\d{4}\z/,
      message: "number is invalid, please try again"}
end
```

## Trip Model

```ruby
class Trip < ApplicationRecord
  has_many :reservations
  belongs_to :boat
  belongs_to :ArrPort, class_name: "Port"
  belongs_to :DeptPort, class_name: "Port"
  validates :DeptPort_id, presence: true
  validates :ArrPort_id, presence: true
  validates :DeptDate, presence: true
  validates :ArrDate, presence: true, date: {after: :DeptDate, message: "The Arrival Date must be after
      the Departure Date"}
  validates :boat_id, presence: true
  validates :description, presence: true
end
```

# Controller Security

## Trips Controller

```
class TripsController < ApplicationController
  before_action :set_trip, only: [:show, :edit, :update, :destroy]
  before_action :require_authorization, :except => [:index]
```

## Reservation Controller

```
class ReservationsController < ApplicationController
  before_action :set_reservation, only: [:show, :edit, :update, :destroy]
  before_action :authenticate_user!
  before_action :require_authorization, only: [:index]

  # GET /reservations/new
  def new
    @reservation = Reservation.new

    # Set the user_id and trip_id
    @reservation.user_id = params[:user_id]
    @reservation.trip_id = params[:trip_id]
  end
```

# Views

Hidden Admin capabilities

```
<div class="row">
  <div class="col-xs-2"></div>
  <div class="col-xs-8" style="text-align:center;">

  <% if user_signed_in? && @reservations.length > 0 %>
    <h2>My Reservations</h2>
    <%= render "reservations" %>
  <% end %>

  <h2>Future Cruises</h2>
  <%= render "trips" %>

  <% if user_signed_in? %>
    <% if current_user.admin? %>
      <h2>Users</h2>
      <%= render "users" %>
    <% end %>
  <% end %>

</div>
```

# Javascript

## Cycle Plugin

- Uses Jquery to implement cycle.js



```
$(document).ready(function() {
    $('#photoContainerA').cycle({
                fx: 'fade'
    });
});
```

# More Javascript

## Validation and Masking
- Uses JQuery Masked Input Plugin

```
/* This function works to guide the user in the entering their phone number on the user
        registration page. This was includede to satisfy the javascript requirement, all other
        data is validated on the backend upon saving */
$(function(){
  /* Providing the mask to the user to outline the implicit format */
  $("#user_phone").mask("(999) 999-9999");

  /* Formatting the phone number as they type it */
  $("#user_phone").on("blur", function() {
      var last = $(this).val().substr( $(this).val().indexOf("-") + 1 );

      if( last.length == 5 ) {
          var move = $(this).val().substr( $(this).val().indexOf("-") + 1, 1 );
          var lastfour = last.substr(1,4);
          var first = $(this).val().substr( 0, 9 );
          $(this).val( first + move + '-' + lastfour );
      }
  });
});
```

(222) 222-2222

# Admin Demo

# User Demo

# Questions?