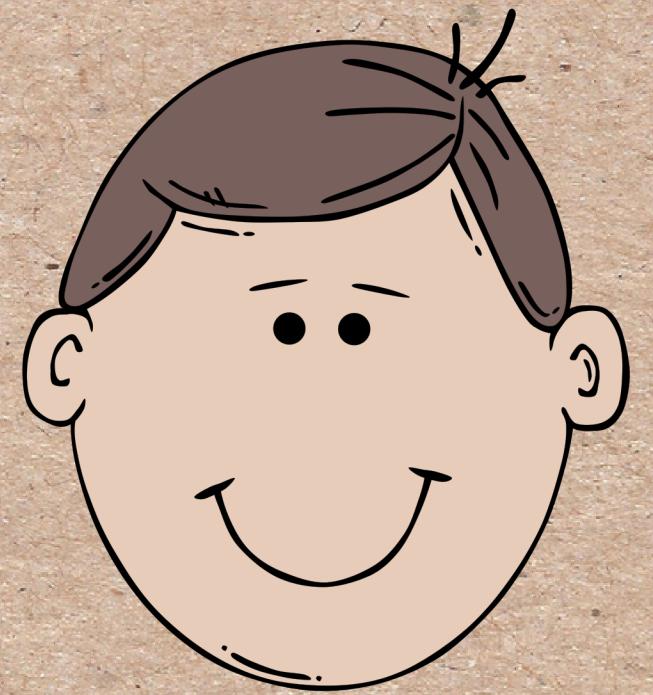


# EASYPARK BOOKING APP

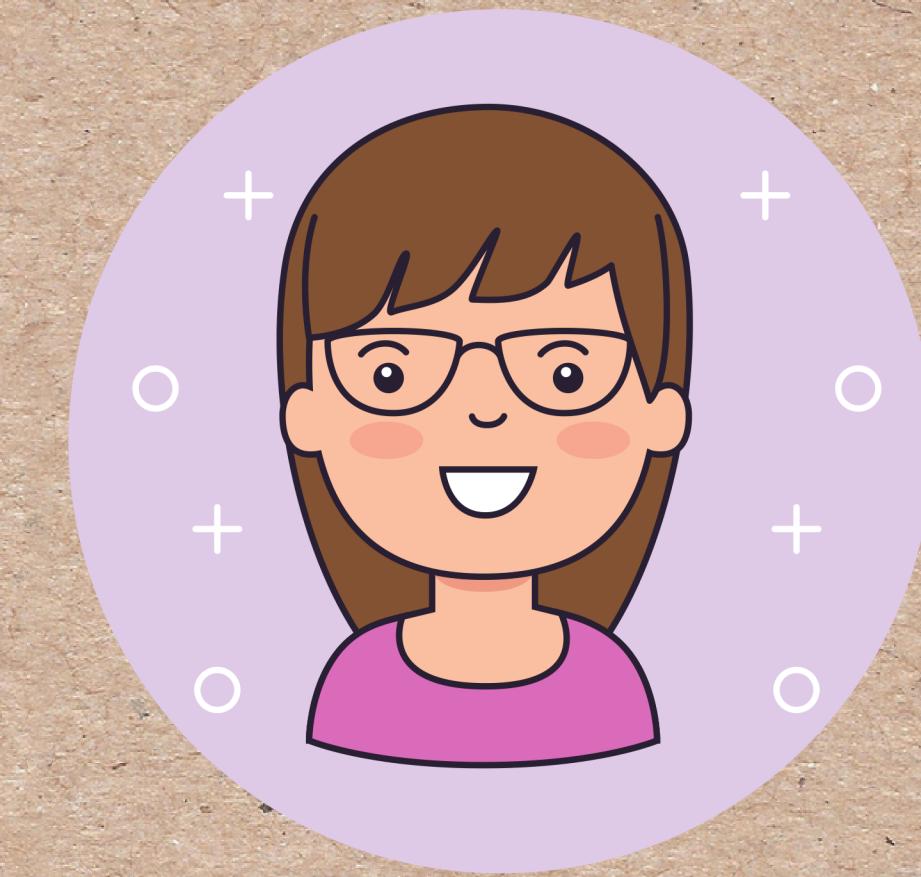
*Phillip and Yumi*



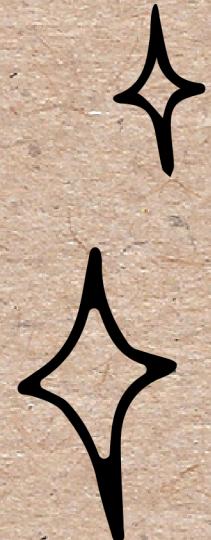
# MY TEAM



Quoc Phillip Lam

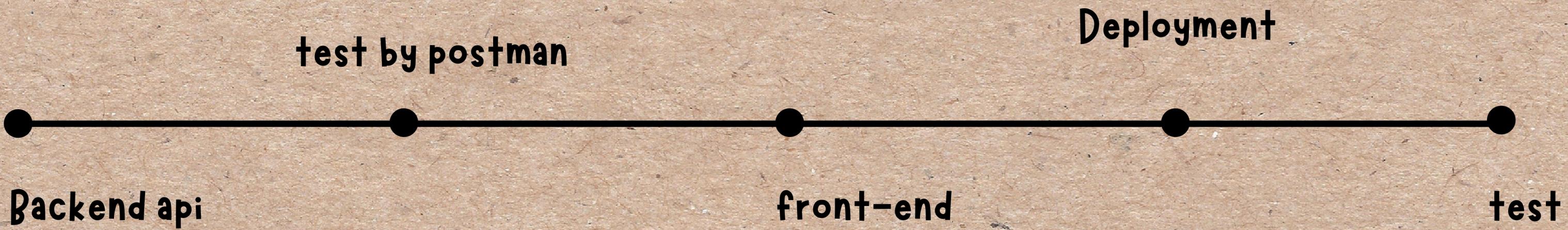


Zumin Yu





# THE PROCESS



# THE BACKEND

## Models

```
// Define the Booking schema here
const BookingSchema = new Schema({
  user: {
    type: mongoose.Schema.Types.ObjectId,
    required: true,
    ref: 'User'
  },
  carpark_name: {
    type: String,
    required: true,
  },
  start_booking_date: {
    type: Date,
    required: true,
  },
  end_booking_date: {
    type: Date,
    required: true,
  },
  {
    timestamps: true,
  };
}

module.exports = mongoose.model("Booking", BookingSchema);
```

## Controller

```
// create booking
// POST /api/bookings
// private
const createBooking = asyncHandler(async (req,res) => {

  const booking = new Booking ({
    carpark_name: req.body.carpark_name,
    user: req.user,
    start_booking_date: req.body.start_booking_date,
    end_booking_date: req.body.end_booking_date,
  })

  const newbooking = await booking.save();
  res.status(201).json(newbooking);
});
```

## Routers

```
// create bookings
router.post("/", verifyUser, createBooking);

// update booking
router.put("/:id", verifyUser, updateBooking);

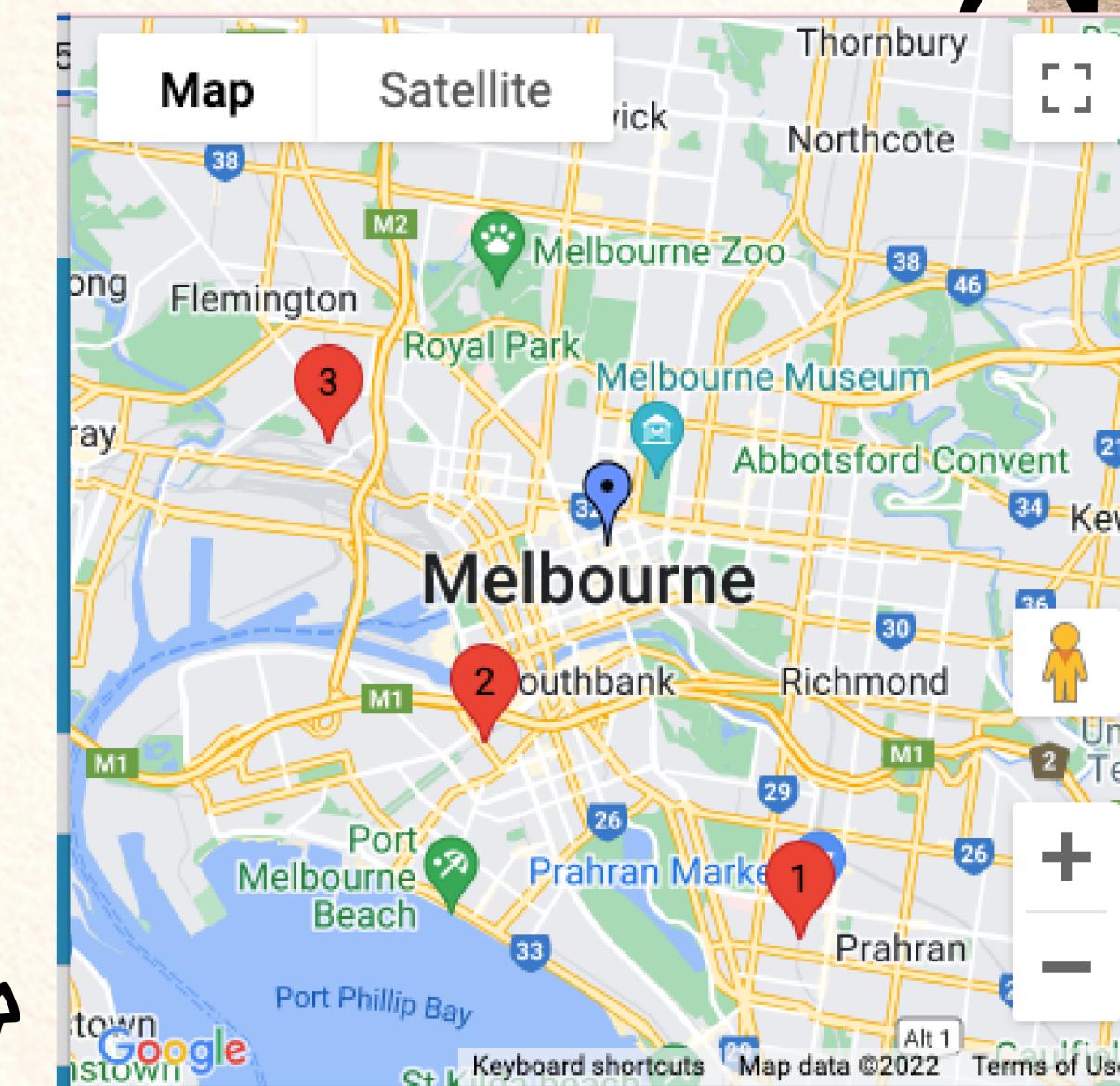
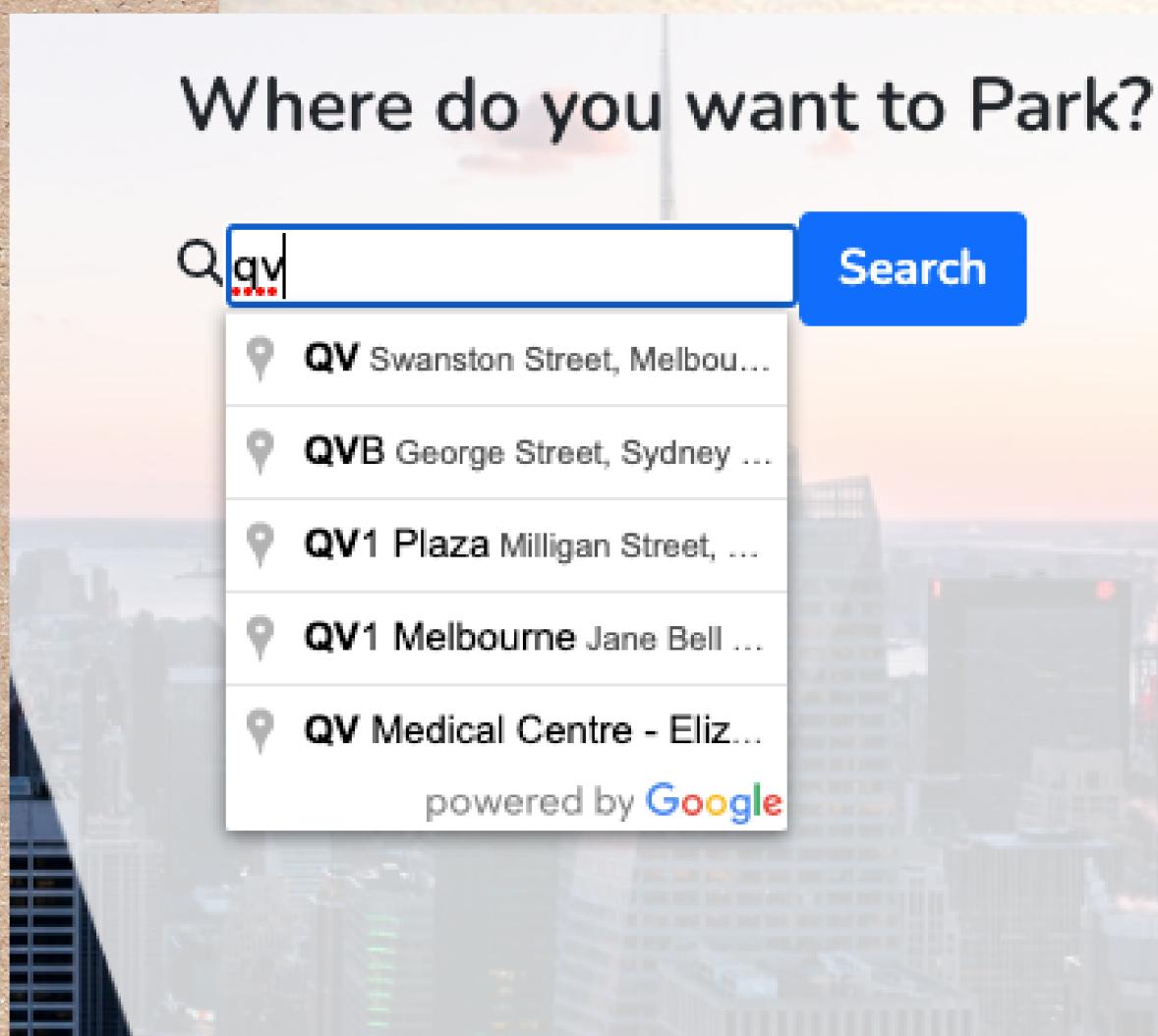
// read the selected booking
router.get("/:id", verifyUser, getBookingById);
// delete
router.delete("/:id", verifyUser, deleteBookingById);

// read all bookings with all users
router.get("/all", verifyAdmin, getBookings);

// get all bookings under specific user
router.get("/:userId/all", verifyUser, getBookingByUserId);

module.exports = router;
```

# THE USE OF GOOGLE API



# SHOW CASE OUR PAGE

EasyPark Home About

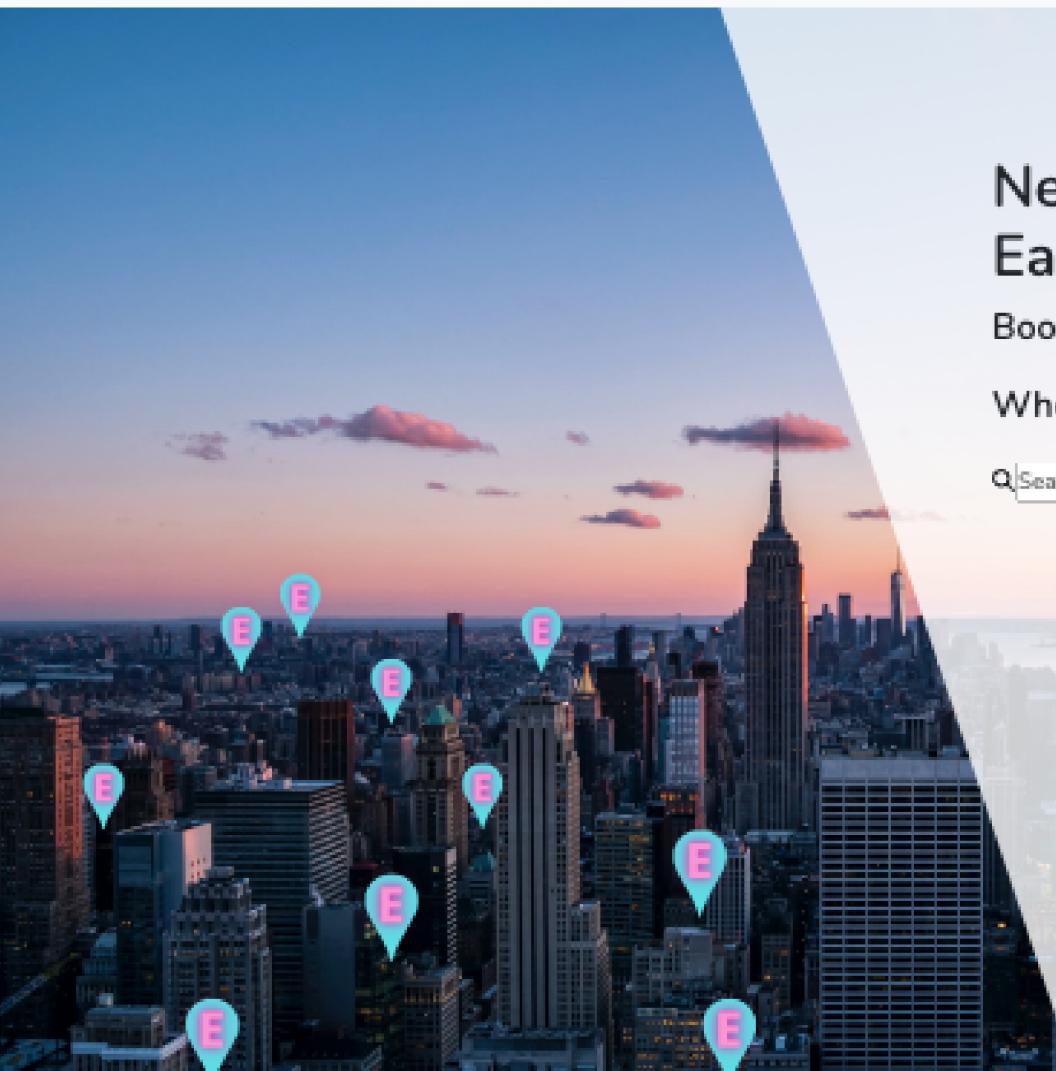
Become a member/Login

New Option of Parking-  
EasyPark

Book now! Pay later

Where do you want to Park?

Search for the address



**About Us**

EasyPark is an alternative to general parking that allows you to book a private parking spots in Melbourne, Australia with ease.

EasyPark Parking Spots are:

Easy To Find



Reliable & Secure

& Affordable!

# SHOW CASE OUR PAGE

EasyPark

Sign in to your account

• Sign in • Sign up • Forgot

E-mail

Password

Sign in

© EasyPark 2022

Booking Details

carpark

Disabled input

11/20/2022 to 11/20/2022

Booking date

Nov 20, 2022 Nov 20, 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

Book Now

Book now and pay later!

# THE CHALLENGE

**Authentication  
&  
Authorization**

**Geo location  
filter in  
Google map**

**Sorting Out Timing  
issues**



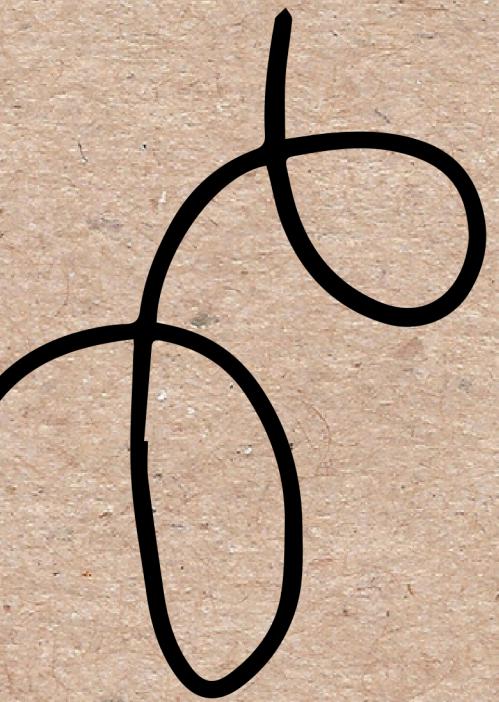
# WHAT WE LEARNT

## Working On a Project As a Team

- Using Git / Github as a Group
- Explaining what & why we did certain things
- Keeping in sync with Partners work

## How To Build A MERN App

- Planning (wireframes / framework)
- The connection of frontend & backend



**Thank You For Listening**

