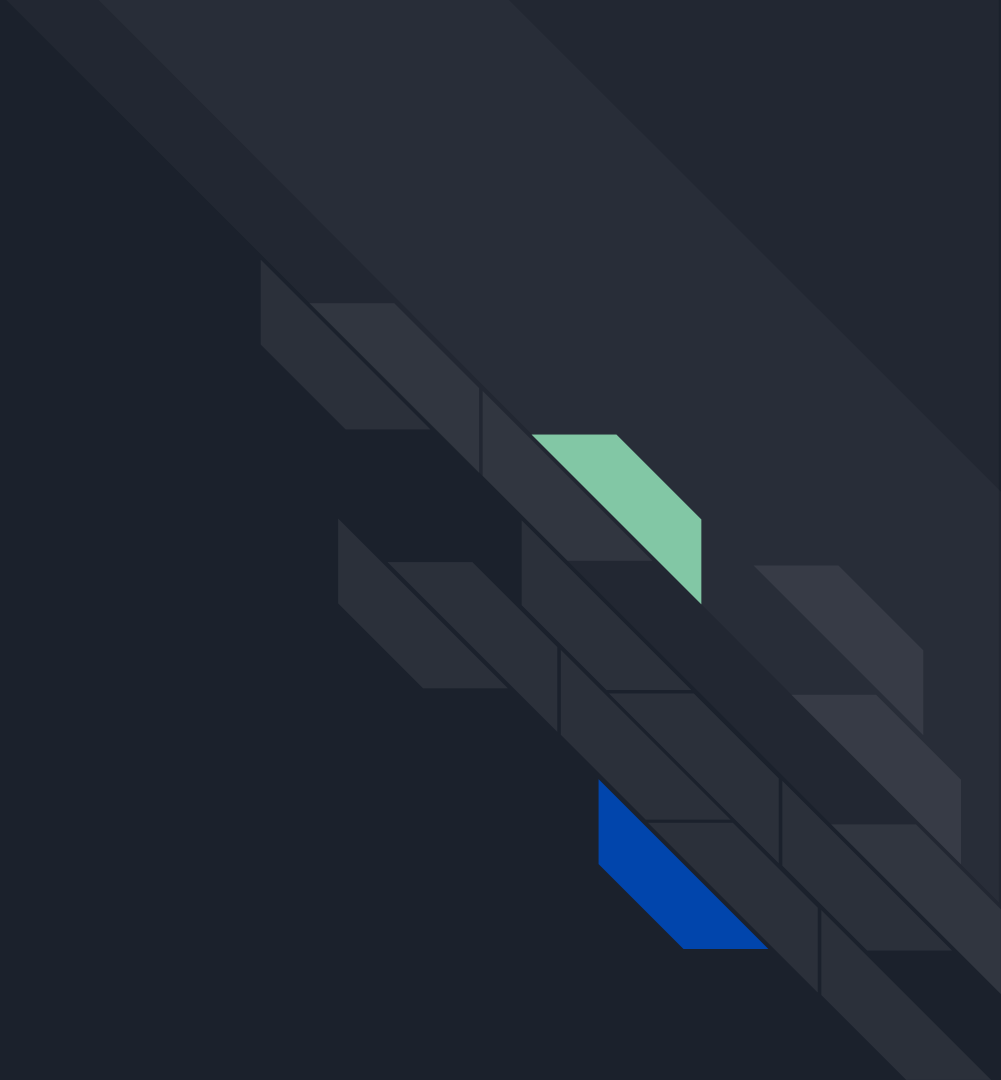



A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one in front of the green one.

ParkEz

A smart parking management system

THE IDEA





Drawing inspiration from a problem we faced on a daily basis, the team decided to build a smart parking lot management system

The solution is Timely, Implementable, Scalable and Important for smooth entry exit experience



IDEA TO REALITY





THE PROCESS

- WireFrame: Used to visualise the UI of the website.
- Front End : Designed completely void of simple HTML and CSS, our front end is designed using ReactJS, a free and open-source front-end JavaScript library used for building user interfaces based on components
- Back End : Designed using Express and Node, the backend provides the ability to :
 - a) Create users
 - b) Log users in
 - c) Get the passes of each user from the database
- Integration: Using Context where required, the front and back ends are allowed to interact with each other to allow smooth access using React Router.



THE END PRODUCT

A simple yet elegant solution to manage parking lots that can find its applications in :

- Colleges
- Offices
- Airports
- Shopping Malls

With the number of vehicles expected to grow for many years coming, it is safe to assume that a parking lot will be the first point of contact for most hence automating the process of entry exit is essential.

PRODUCT BOUGHT TO
LIFE





ParkEz

About

Signup

[Create an account](#)

Signup

ParkEz

About

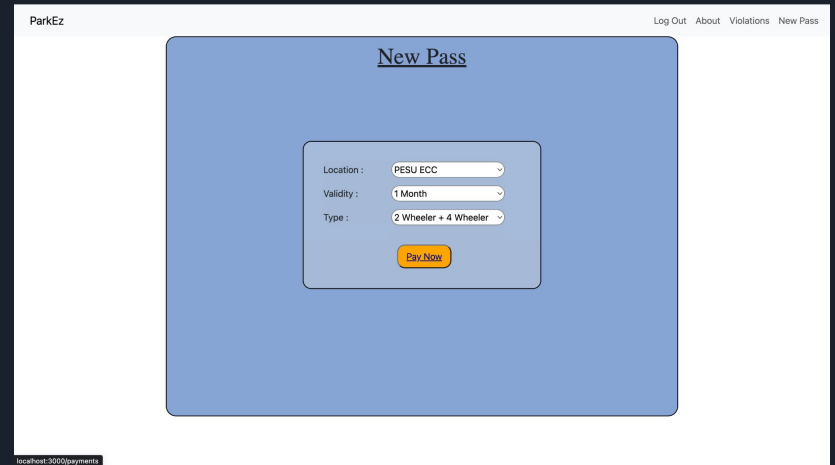
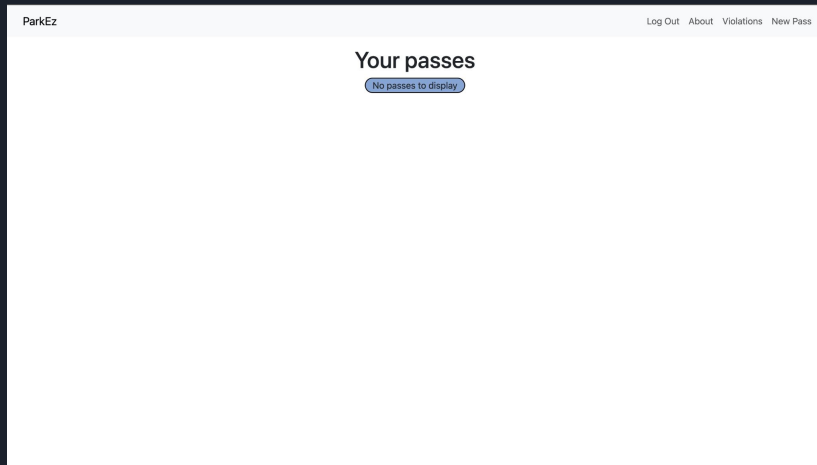
Login

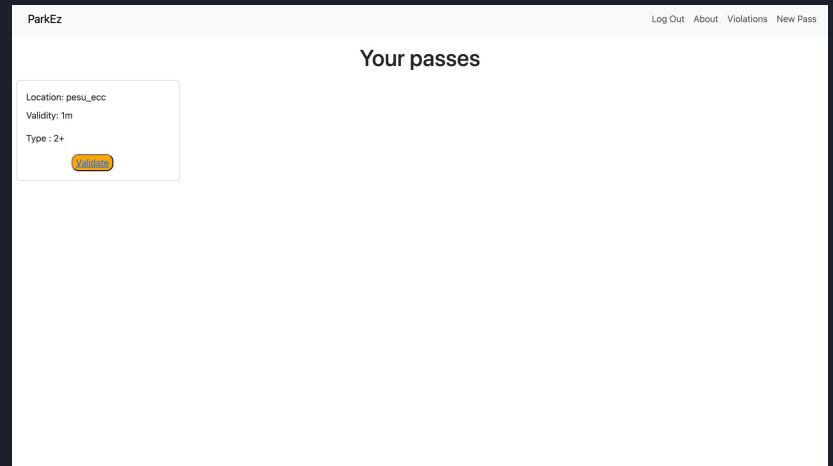
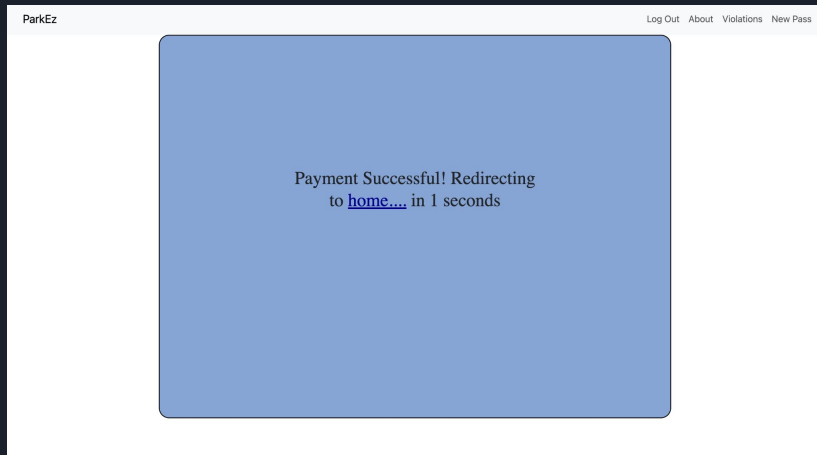
Username:

Password:

Login

Don't have an account? [Sign Up](#)







LEARNING OUTCOMES

- Understood use of ReactJS in making components and compiling the front end of a web page
- Understood use of node.JS in designing functional backend for websites
- Understood use of modules like BcryptJS and Express Validator to incorporate backend validations and encryptions to store sensitive data like passwords
- Understood use of ExpressJS for creating functional backend
- Understood use of mongoose and hence mongodb to store data

THANK YOU



PRESENTED BY:

SAAHIL SUDHIR PAKHARE - PES2UG22CS475

SAFWAN AHMED - PES2UG22CS479

SAKSHI JIGNESHBHAI RAJANI - PES2UG22CS491