TrainEx

New Experience with Thai Train

PRESENTED BY
THE UNTOUCHABLES 2

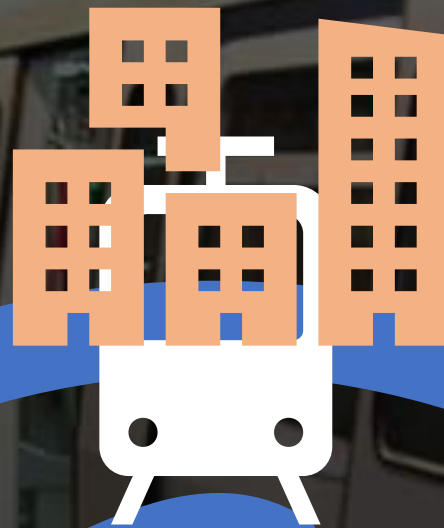# Outline

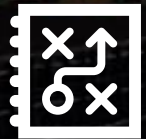*TrainEx*

Abstract

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Pain Point

Lack of update system

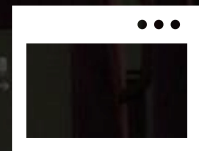Slow of processing

Difficult to manage
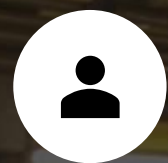
Bad UI and customer get bad UX

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Introduction

TrainEx is a web application for a train ticket booking system to make a user booking easier and get better user experience.

TrainEx

Functions

👤 Ticket Booking

✔ Available seats checking

🚆 Searching for Trains routes on date

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Tables

User

User
- 🔑 idUser INT
- ◇ UserName VARCHAR(45)
- ◇ UserEmail VARCHAR(45)
- ◇ UserPassword VARCHAR(45)
- ◇ UserFName VARCHAR(45)
- ◇ UserLName VARCHAR(45)
- Indexes ►

Ticket

Ticket
- 🔑 idTicket INT
- ◆ Train_idTrain INT
- ◆ User_idUser INT
- ◆ Staff_idStaff INT
- ◆ From_idStation INT
- ◆ To_idStation INT
- ◇ DepartureDate DATETIME
- ◇ DepartureTime DATETIME
- ◆ TrainType_idTrainType INT
- ◆ SeatType_idSeatType INT
- ◇ SeatNo INT
- ◆ Price_idPrice INT
- Indexes ►

Train & Route

Price
- 🔑 idPrice INT
- ◆ From_idStation INT
- ◆ To_idStation1 INT
- Indexes ►

Train
- 🔑 idTrain INT
- ◆ Route_idRoute INT
- ◆ TrainType_idTrainType INT
- Indexes ►

TrainType
- 🔑 idTrainType INT
- ◇ TrainType VARCHAR(45)
- Indexes ►

Station
- 🔑 idStation INT
- ◇ StationName VARCHAR(45)
- ◇ Location VARCHAR(45)
- ◇ Tel INT
- Indexes ►

Route
- 🔑 idRoute INT
- ◇ RouteName VARCHAR(45)
- ◆ Origin_idStation INT
- ◆ Destination_idStation INT
- Indexes ►

Seat Type

SeatType
- 🔑 idSeatType INT
- ◇ SeatTypecol VARCHAR(45)
- Indexes ►

Payment

Payment
- 🔑 idPayment INT
- ◆ Ticket_idTicket INT
- ◆ User_idUser INT
- ◇ PaymentMethod VARCHAR(45)
- ◇ Price VARCHAR(45)
- Indexes ►

Staff

Staff
- 🔑 idStaff INT
- ◇ StaffName VARCHAR(45)
- ◇ StaffPassword VARCHAR(45)
- ◇ StaffEmail VARCHAR(45)
- ◇ StaffFName VARCHAR(45)
- ◇ StaffLName VARCHAR(45)
- Indexes ►

Functional Design

Functions	Guest	User	Admins
Login (User Side)	NO	YES	YES
Register (User Side)	YES	NO	NO
Searching a ticket	YES	YES	NO
Booking	NO	YES	NO
Confirm Booking & Payment	NO	YES	NO
Edit own's profile	NO	YES	NO
Reset Password	NO	YES	NO
Edit user's profile	NO	NO	YES
Login (Staff side)	NO	NO	YES
Edit amount of Train	NO	NO	YES
View user's payment statistics	NO	NO	YES
View ticket's statistics	NO	NO	YES

Conclusion

To summarize, our website able to work with function as we expected. Even so, our website is not practical as much as possible because limitation of time. However, we improve as we can do. Our team are still developed our website to be covered as many condition and field of work as possible for a better version and usable.

USER INTERFACE

TrainEx

PRESENTED BY
THE UNTOUCHABLES 2

Mr. Tanisorn	Jansamret	6022791915
Mr. Nirin	Isarangkura	6022782310
Mr. Pruek	Siriwatcharakul	6022790867
Mr. Vasitpol	Pueksakorn	6022770349