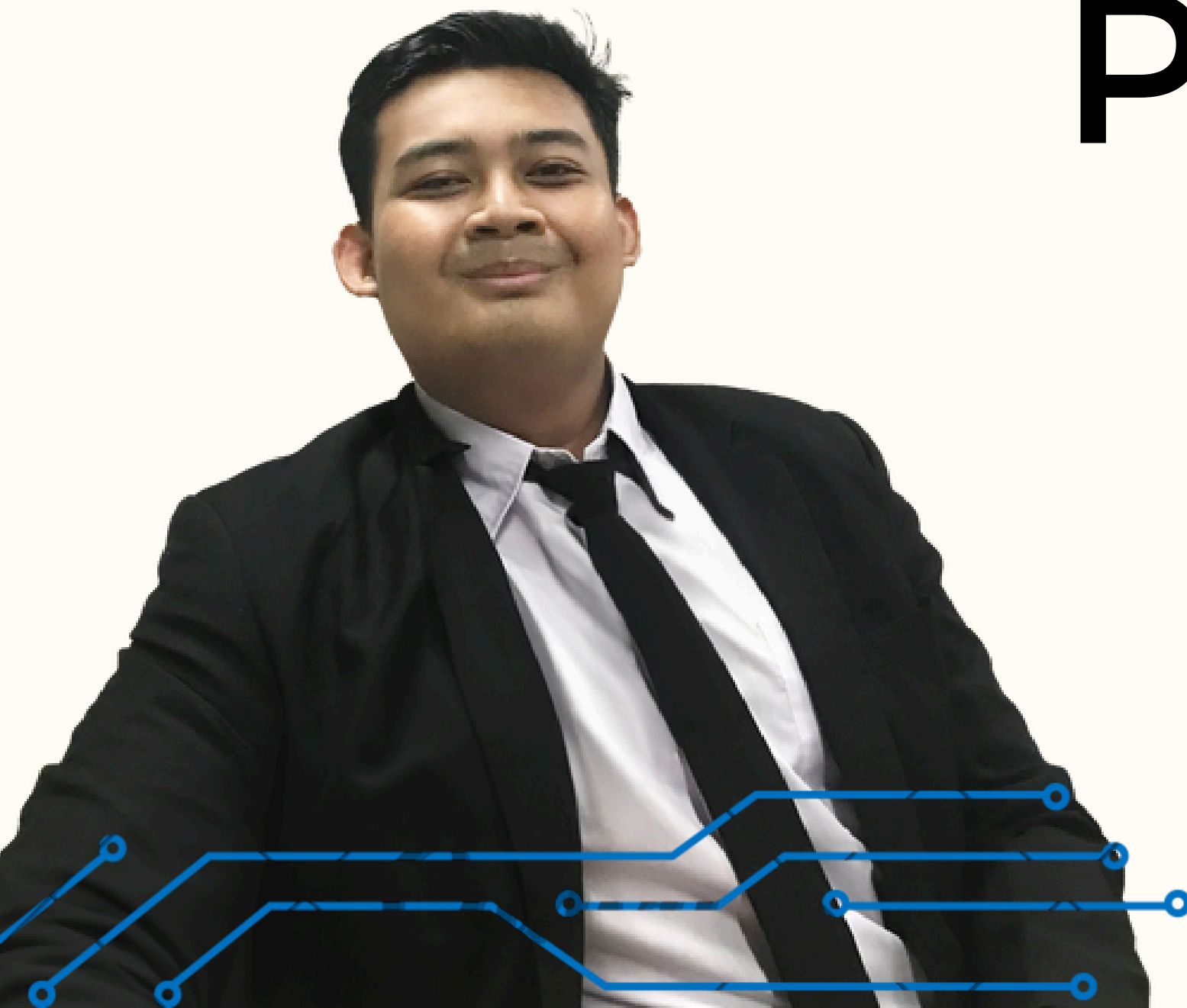2024

Creative Portfolio

Portfolio by
Muhammad Fathin Fadillah

Education
Astra Polytechnic
Informatics Management

fathinfadillah.com

FA Hotel

YEAR

2021 - 2022

ROLE

Fullstack Developer, UI/UX Designer

Alongside with

Muhammad Aryobimo Dwinugroho

TECH

Programming Languages

C#   SQL

Libraries and Frameworks

Windows Form   Bunifu

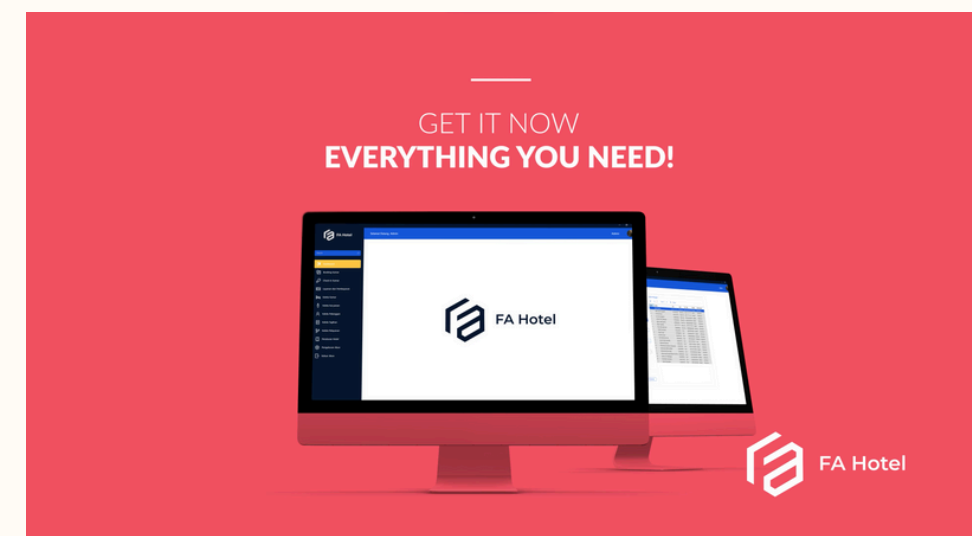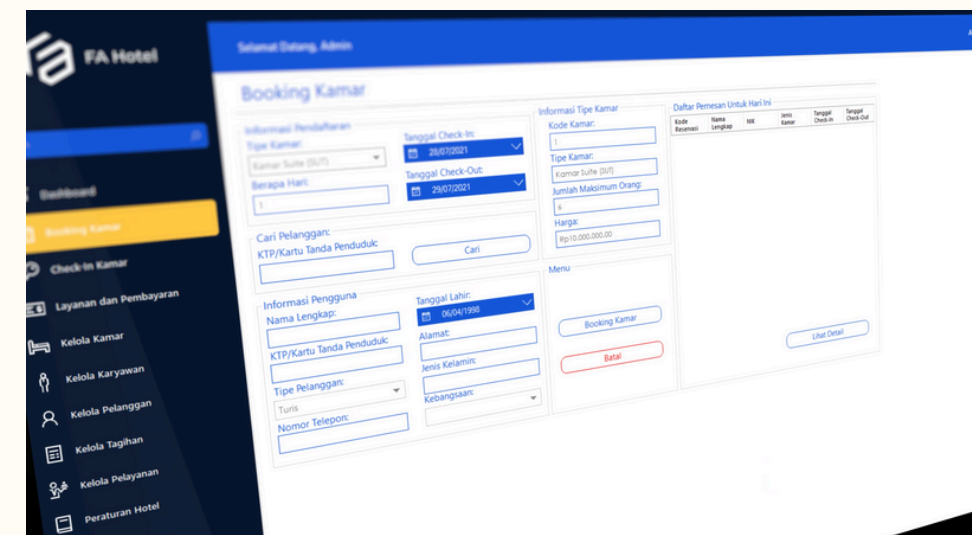Guna UI   FontAwesome

MetroModern UI   MS Report

Database

MS SQL Server

BACKGROUND

Hotel comes from the word hostel, said to be taken from old French. This public building has been touted since the late 17th century. It means roughly, "a shelter for migrants" or it could also be "to build a provider of accommodation and food for the public". So, at first the hotel was created to serve the public.

In an era where technology has developed rapidly as it is today, where many businesses have implemented the implementation of information systems as a support for their business, of course it has become commonplace for a business to use the implementation of information systems. But unfortunately, there are still many business processes that do not yet use the implementation of information systems, even though the business processes they do are relatively vulnerable and in dire need of technological assistance. These deficiencies include:
1. Recording of room provision is still using the manual method.
2. Recording of food sales still uses the manual method.
3. Records of room supply and food sales are lost or damaged because they are still written on paper.
4. Human error that may occur, which can cause losses.
5. Manual recording of incoming and outgoing goods stock.

FA Hotel

LUXURY ROOMS & RESORTS

DESKTOP APP
EAZY UI&UX

FA Hotel

GET IT NOW
EVERYTHING YOU NEED!

FA Hotel

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Let's Read

YEAR

2022

ROLE

Fullstack Developer, UI/UX Designer

Alongside with

Ali Imron Pane

Bilqis Tsabitah

TECH

Programming Languages

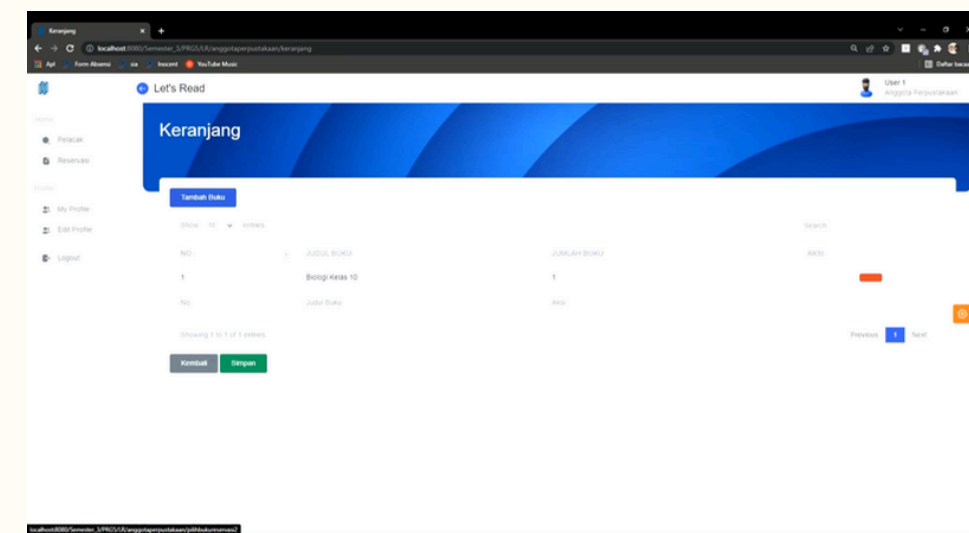PHP   SQL
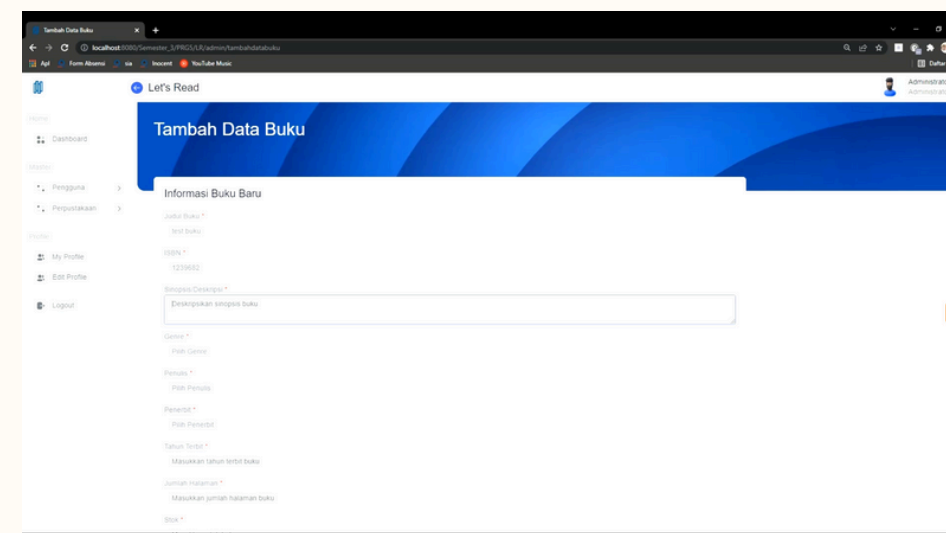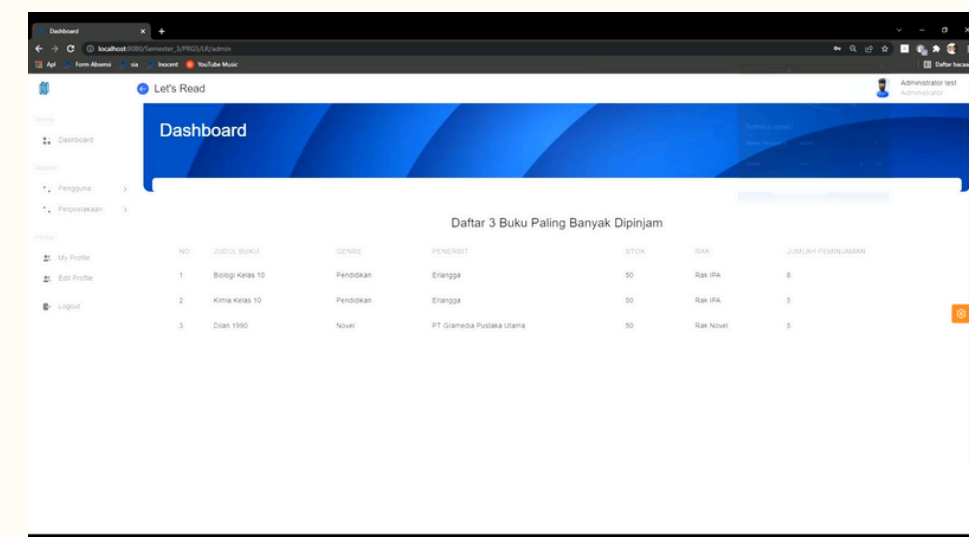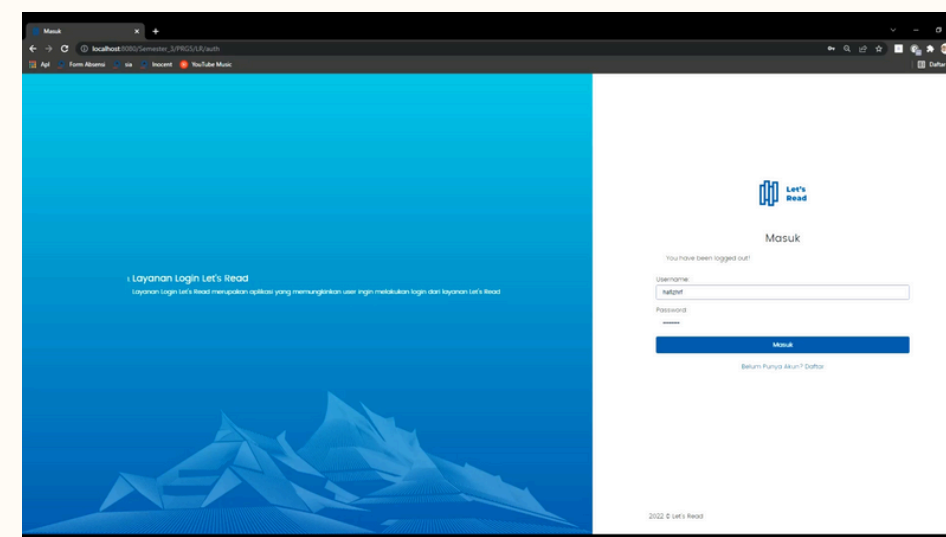
Libraries and Frameworks

Codeigniter 3

Database

MySQL

BACKGROUND

Today's human need for information and communication technology has become mandatory, where almost all aspects of daily life are inseparable from information and communication technology. Information and communication technology is widely used by humans to support and facilitate the activities of daily life. The use of technology can improve and support an activity. With the rapid development of technology, we must also quickly adopt existing technological developments so that we are not left behind by other business people.

Since the covid 19 pandemic, students' accessibility to accessing book collections has been hampered. Face-to-face activities such as borrowing study rooms and discussion rooms are also closed. Digital libraries are initiated so that activities can be facilitated online and in real time. The creation of this digital library is expected to be useful for Librarians & Students. With the development of technology, the developer plans to make something new in the digital library by changing things that were previously written manually into computerized data collection.

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CreativEvent

YEAR

2022

ROLE

Fullstack Developer, UI/UX Designer

Alongside with

Bagas Galih Saputra

Bilqis Tsabitah

TECH

Programming Languages

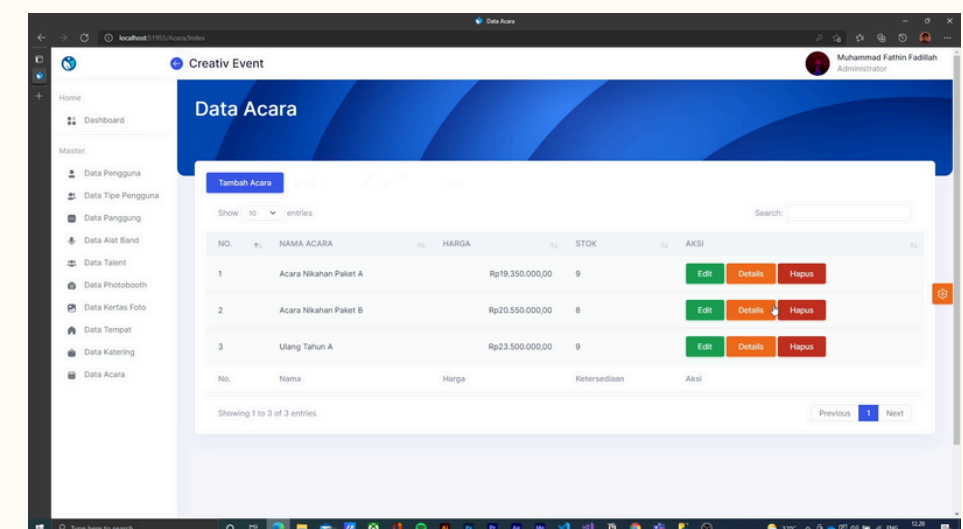C#   SQL

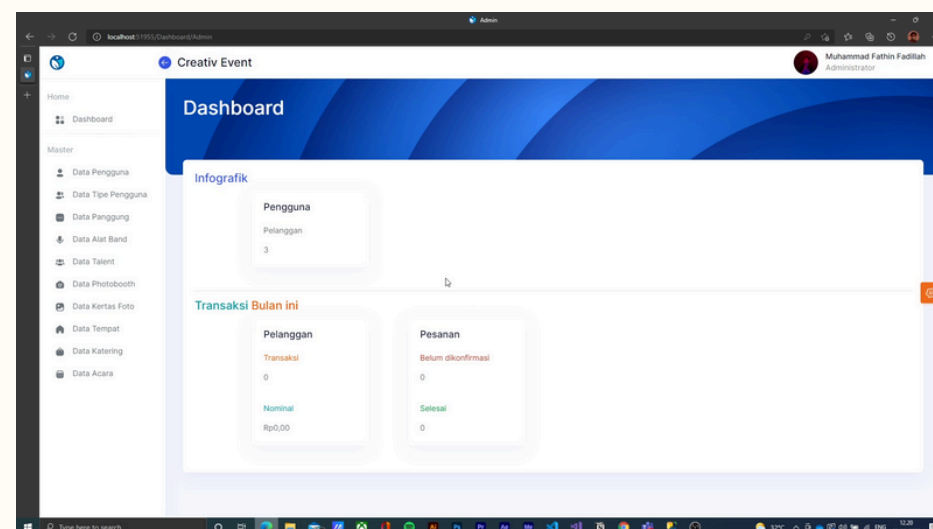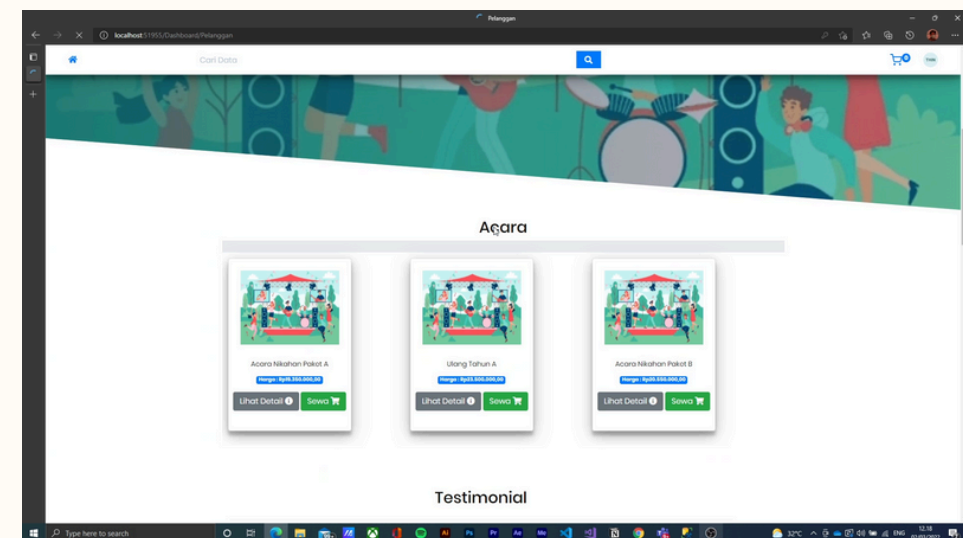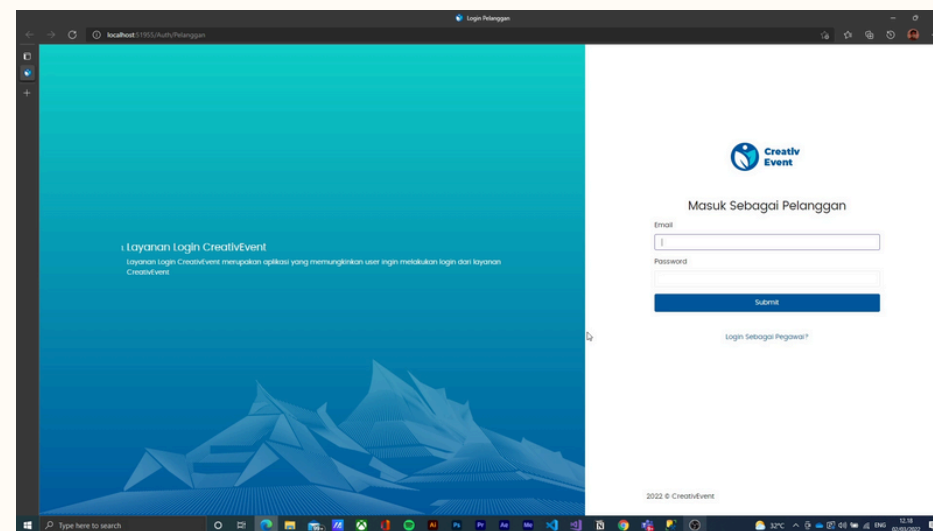Libraries and Frameworks

ASP.NET

Database

MS SQL Server

BACKGROUND

The development of technology in the current era is growing rapidly, technology has an important role in the field of communication. In addition to the field of communication, technology is now able to assist humans in completing work in the form of carrying out registration transactions, examinations, purchasing drugs, payments, and purchasing assistive devices as well as making reports on the results of these transactions which were initially carried out by humans manually and took a long time. in practice, it is now able to be implemented more quickly and more precisely.

Technology is needed by Event Organizer service users to facilitate rentals, but with an application that accommodates it, work can be handled more quickly. Data security sold by this application can make it easy to run the sale of these services. Therefore an application is made that uses the C# programming language with the ASP.NET framework. The existence of this rental application is expected to make it easier for employees to process all the data in the company.

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Dormitory Information System (SID) AstraTech

BACKGROUND

This application is based on Android and uses an API with the Java Spring framework which was created using the Android Studio and IntelliJ IDEA tools. This application has a feature for making reports and complaints submitted by residents of the Astra Polytechnic dormitory to the manager. Previously, the delivery of complaint reports was not well coordinated because they were sent privately via the messaging application (Whatsapp) to the dormitory administrators.

With this application, it is hoped that the business process for making complaint reports at the Astra Polytechnic dormitory can run more effectively and efficiently because it applies the automation method.

YEAR

2022

ROLE

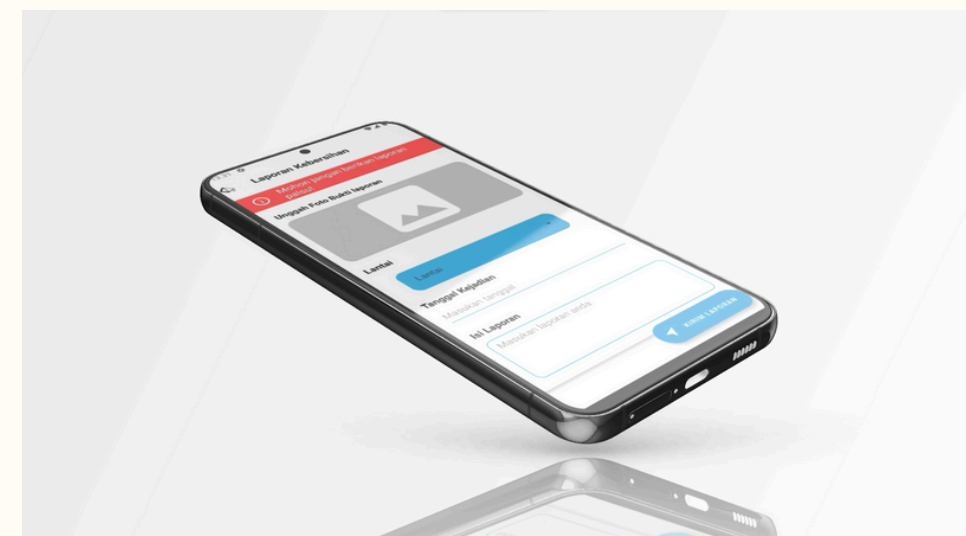Fullstack Developer, UI/UX Designer
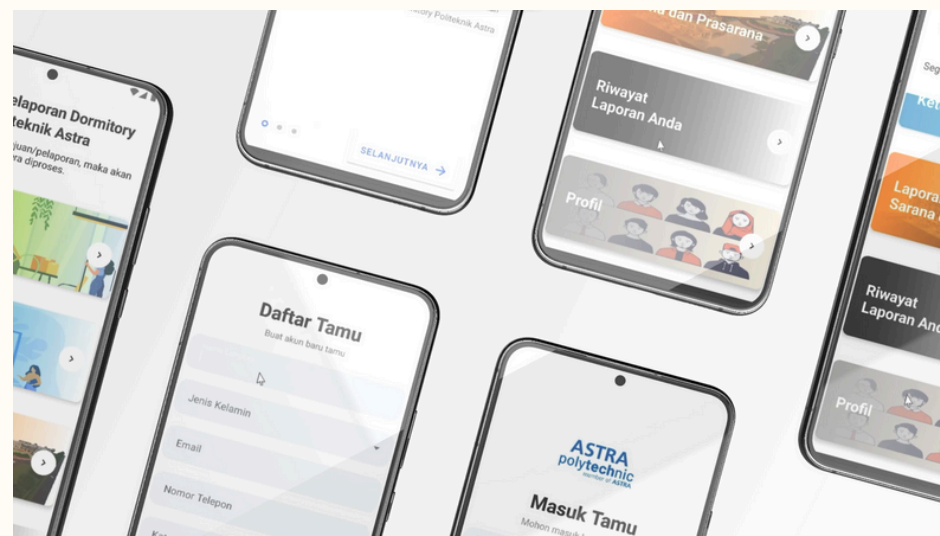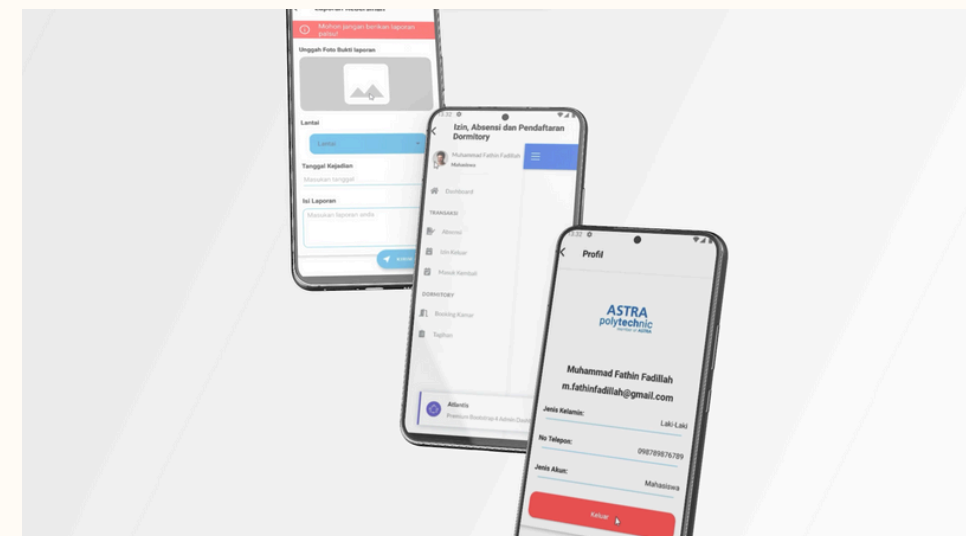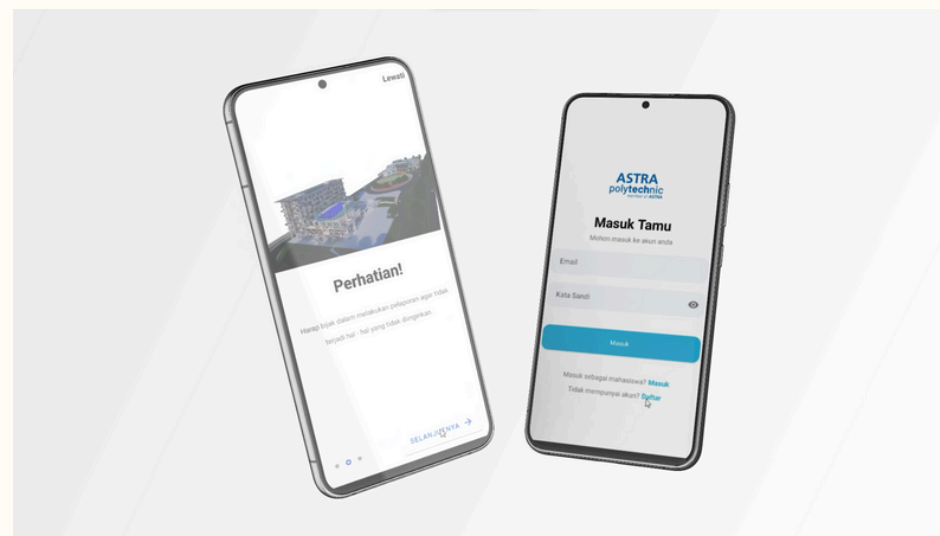
Alongside with

Ali Imron Pane

Herlina Novina

TECH

Programming Languages

Java   SQL

Libraries and Frameworks

Android   Spring Boot

Database

MS SQL Server

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Astra Autonomous Drone System (ASTRANAUDS)

BACKGROUND

PT Akebono Brake Astra Indonesia is a company engaged in the manufacturing industry that produces vehicle components, especially car and motorcycle break systems. This company has a very large land area of 36,910m2. This resulted in the logistical processes occurring at this company requiring more effort and time from the manpower. Therefore, this company wants to create the latest technological innovation by using drones as vehicles for delivering goods between plants and factory warehouses in order to streamline the logistics process that occurs.

In this research, we try to create an IOT-based information system that is integrated with drones. This system functions to control drones remotely by providing point-to-point flight assignments or missions between warehouses and plants in the company and monitoring the surrounding conditions via live streaming video.

YEAR

2022

ROLE

Front End Developer, Network Infrastructure, UI/UX Designer, Explorer Hardware

Alongside with

Muhammad Hanif Abdulfattah

TECH

Programming Languages

PHP   SQL

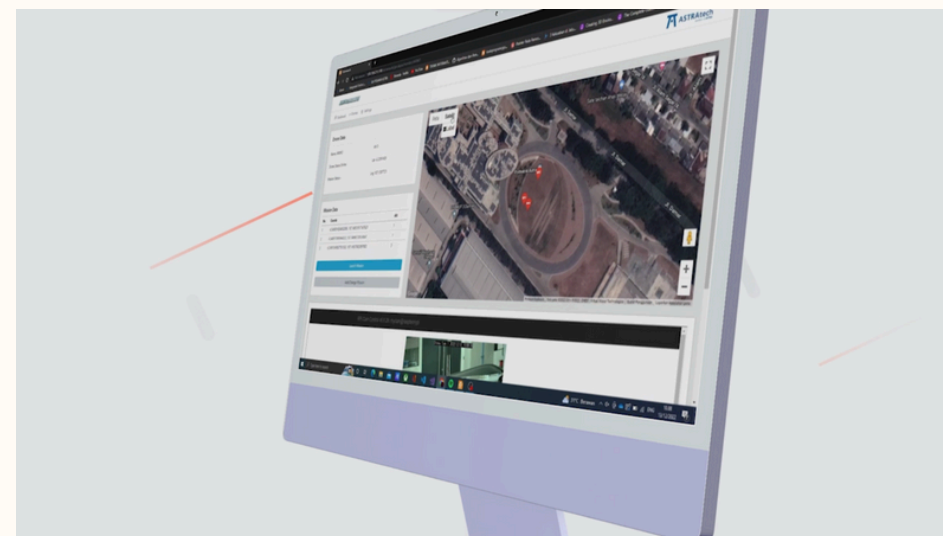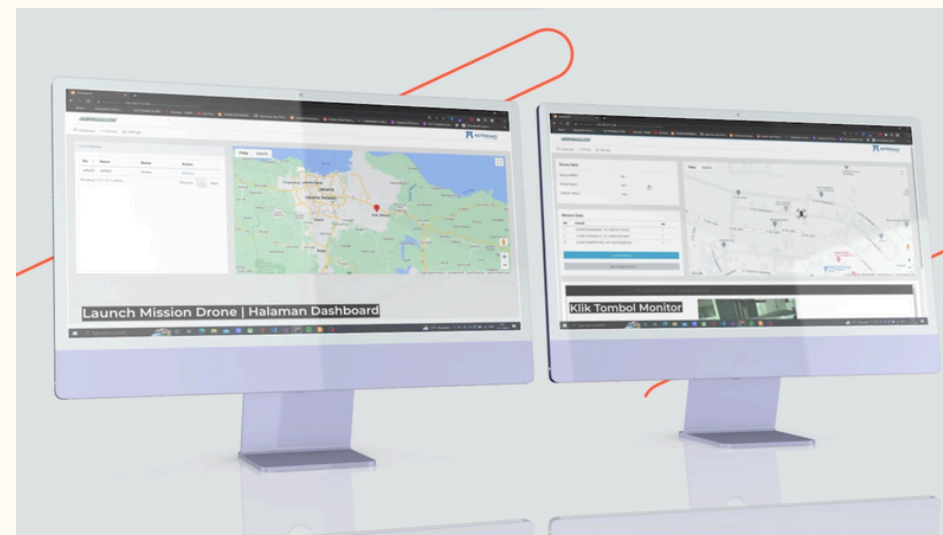Libraries and Frameworks

Codeigniter 3   Dronekit

Database

MySQL

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2024

Thank You

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