CodeMatter

CodeMatter

we are architects of digital excellence.

At Codematter, we empower your businesses to thrive in the the ever-changing demand of today's world. We will be your reliable partner to navigate the complexity of digital transformation and solve your unique business use-cases with an unwavering commitment to precision and efficiency.

What we do

Partners and Clients

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Services

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Workflow

Web Application Development

Revolutionize your corporate operations with tailored and comprehensive solutions. Craft your very own custom ERP systems designed to solve your unique business use-cases.

Mobile Software Development

Engage your users with polished mobile applications. Experience cross-platform excellence, user-friendly interfaces, and broader reach optimized for various devices.

Design & No-Code Development

Launch and iterate your website with the speed of lightning through no-code development. Maintain consistency and deliver high impact while keeping the cost low.

IT Consultancy And Solutions

Navigate the IT landscape confidently with our corporate consultancy. Optimize IT infrastructure for increased efficiency, cost reduction, and informed decision-making aligned with corporate objectives.

IT Audit

Safeguard corporate digital assets with our meticulous IT audit. Experience enhanced security, compliance confidence, and proactive risk mitigation for a resilient corporate environment.

Company Digital Transformation

Transform and adapt your business into the future digitally. Experience increased efficiency, customer-centric solutions, and a future-ready corporate entity positioned for long-term success.

LMS

Designed for institutions and organizations of all sizes, it provides collaborative tools and features that enhance the learning experience, making it an ideal choice for modernizing and streamlining educational environments in any organization.

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Workflow

Proficiencies

Software Implementation

Scaling you business by implementing proven software and solutions. We are partnering with Odoo and Mekari to solve your problems and manage your company resources better.

Programming Language

Command a diverse range of programming languages, ensuring the efficient realization of your digital vision with a focus on excellence.

Infrastructure

Establish and maintain robust IT infrastructure, elevating corporate operations through a commitment to performance, reliability, and security.

No-Code Development

Embrace rapid development with cutting-edge no-code tools, enabling swift solution deployment and maintaining a competitive edge.

Software Project Management

Exemplify corporate excellence in project management, ensuring meticulous oversight from initiation to completion.

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Workflow

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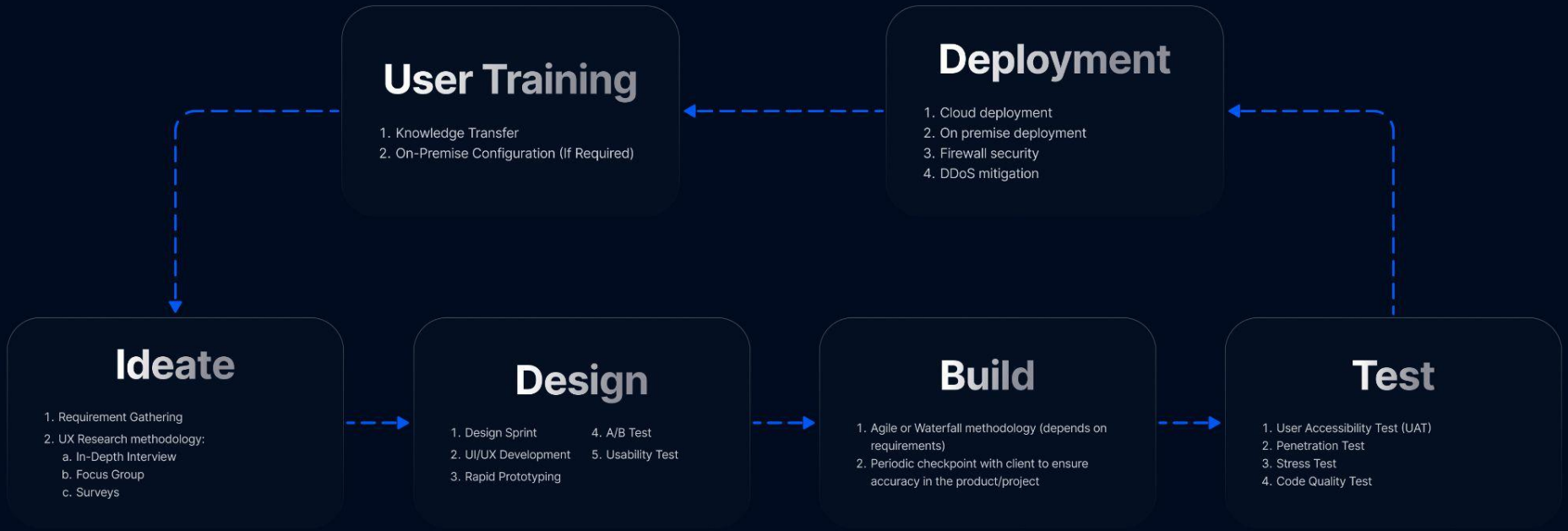
Workflow

Providing End-to-End Development Services to Unleash the Innovation of Your Company



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Previous Works

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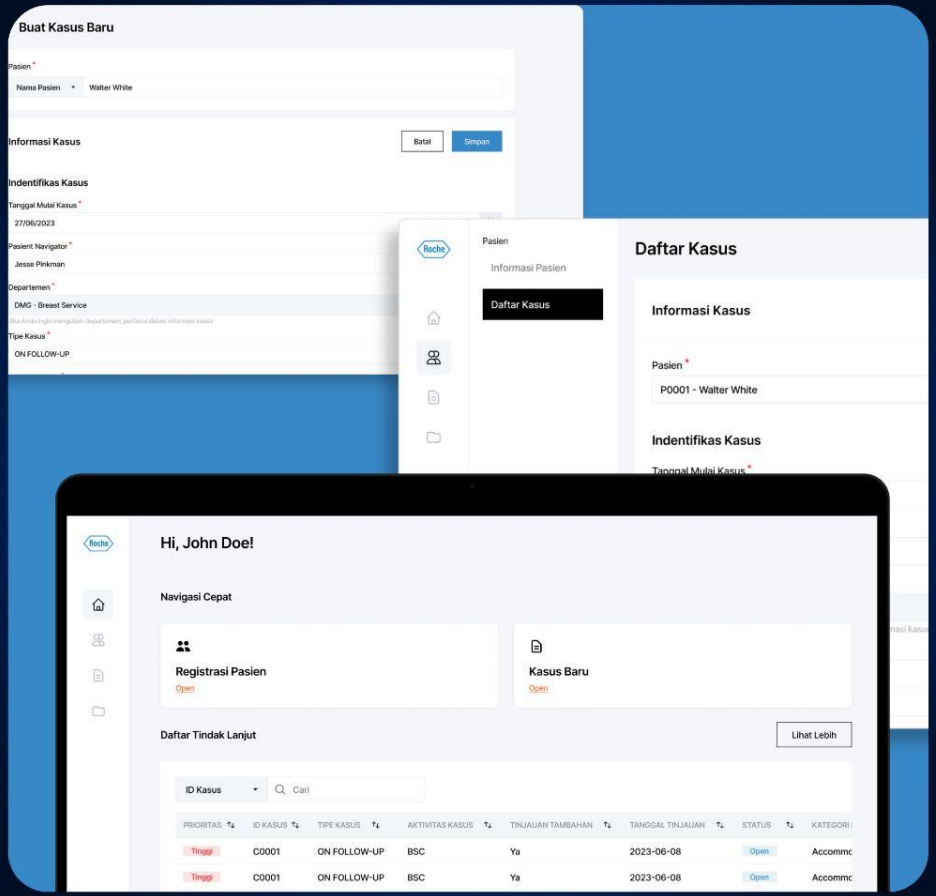
Workflow



Client

PT. Roche Diagnostics Indonesia

Year

2023

Project Name

Cancer Patient Navigator Portal

Projet Description

Codematter has joined forces with Roche Indonesia to introduce the first patient navigator portal in Indonesia. This project serves as a pioneering pilot initiative aimed at standardizing assisted cancer treatment with a patient navigator. The patient navigator portal enables the efficient capture of all patient needs at every stage of their cancer treatment journey. The data collected can be accessed through analytics, facilitating insights and system improvements. Should this pilot project progress seamlessly, the portal will be implemented across other cancer hospitals throughout Indonesia.

Key Features

1. Dynamic built-in form
2. Robust analytics for cancer treatment
3. Integration option to Satu Sehat

Built with

NodeJS, AdonisJS, MySQL

Project Type

→ WebApp

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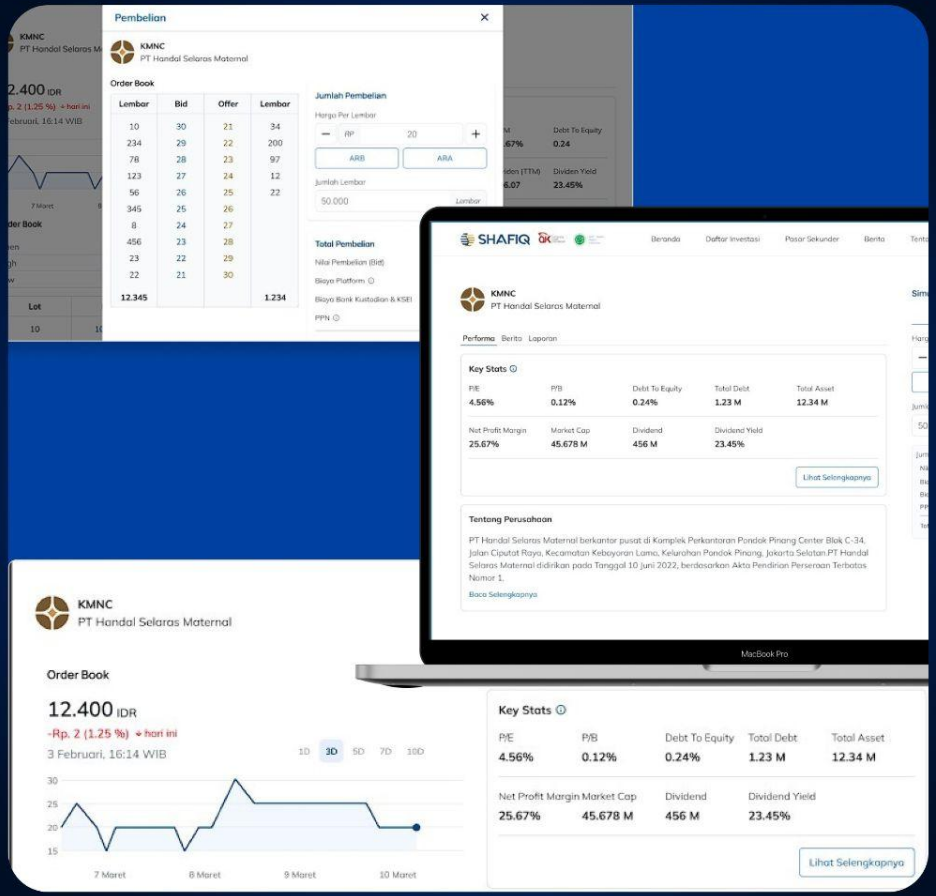
Workflow



Client

PT. SHAFIQ Digital Indonesia

Year

2024

Project Name

Secondary Market Feature Development

Projet Description

With our strategic outsourcing initiative, CodeMatter is poised to elevate secondary market development for our SHAFIQ by seamlessly integrating into their sprint teams. We collaborate closely using our expertise to deliver complex outputs on a tight deadline within ongoing sprints. We aim to streamline processes, drive innovation, and enhance the overall efficiency of secondary market initiatives. The project's success will be measured by our ability to seamlessly join and enhance SHAFIQ's sprint teams, ensuring the timely delivery of high-quality outputs.

Key Features

1. Robust data presentation for user's insight
2. Matchmaking transaction between demand and offering

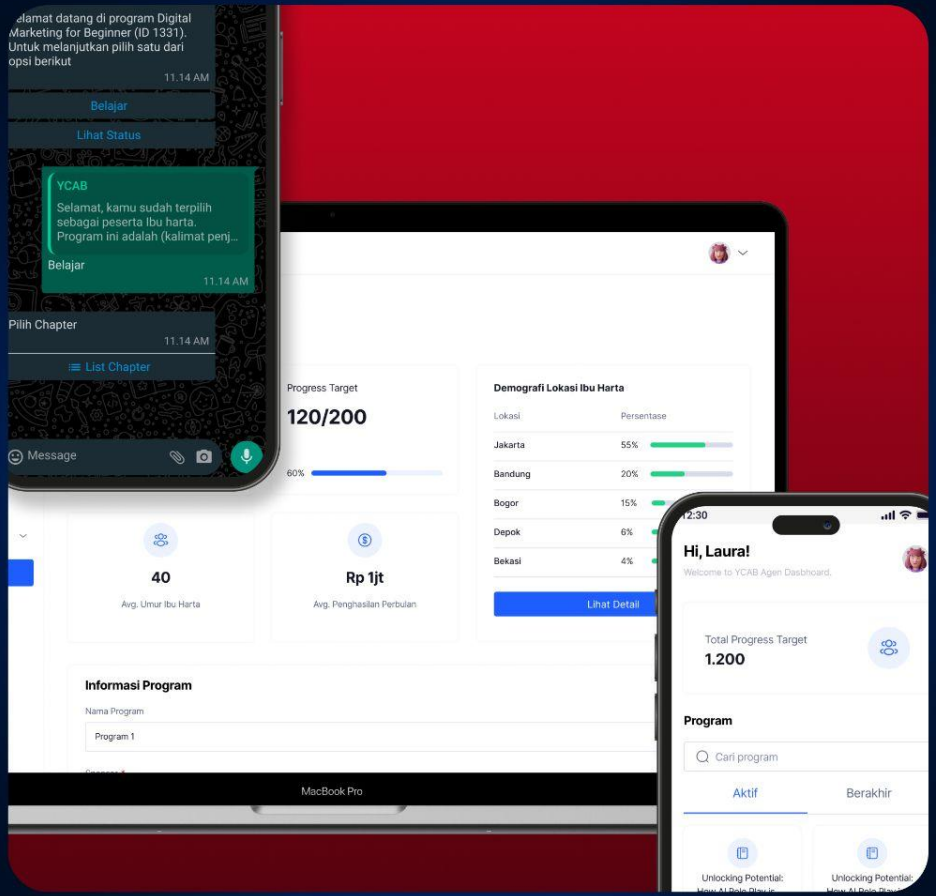
Built with

Laravel, Bootstrap, Tailwind, AlpineJS

Project Type

→ Outsourcing

→ WebApp



Client

Yayasan Cinta Anak Bangsa (YCAB Foundation)

Year

2023 - Now

Project Name

YCAB Digital Transformation

Projet Description

Yayasan Cinta Anak Bangsa (YCAB) is embarking on a transformative journey aiming to enhance their impact through a strategic digitalization initiative. Our collaborative efforts will focus on streamlining workflows, implementing efficient data management systems, and fostering digital collaboration. By tailoring solutions to the YCAB's specific needs and unique business use-cases, we aim to boost operational efficiency and empower their team through targeted training. The project seeks to equip YCAB with the digital tools necessary to navigate the evolving landscape and amplify their positive influence.

Key Features

1. Whatsapp as a learning portal
2. Integrated and tailored ERP solution for each business units

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS, Cloudflare, Laravel

Project Type

- → Consultation
- → Digital Transformation
- → Tailored LMS/ ERP
- → WebApp

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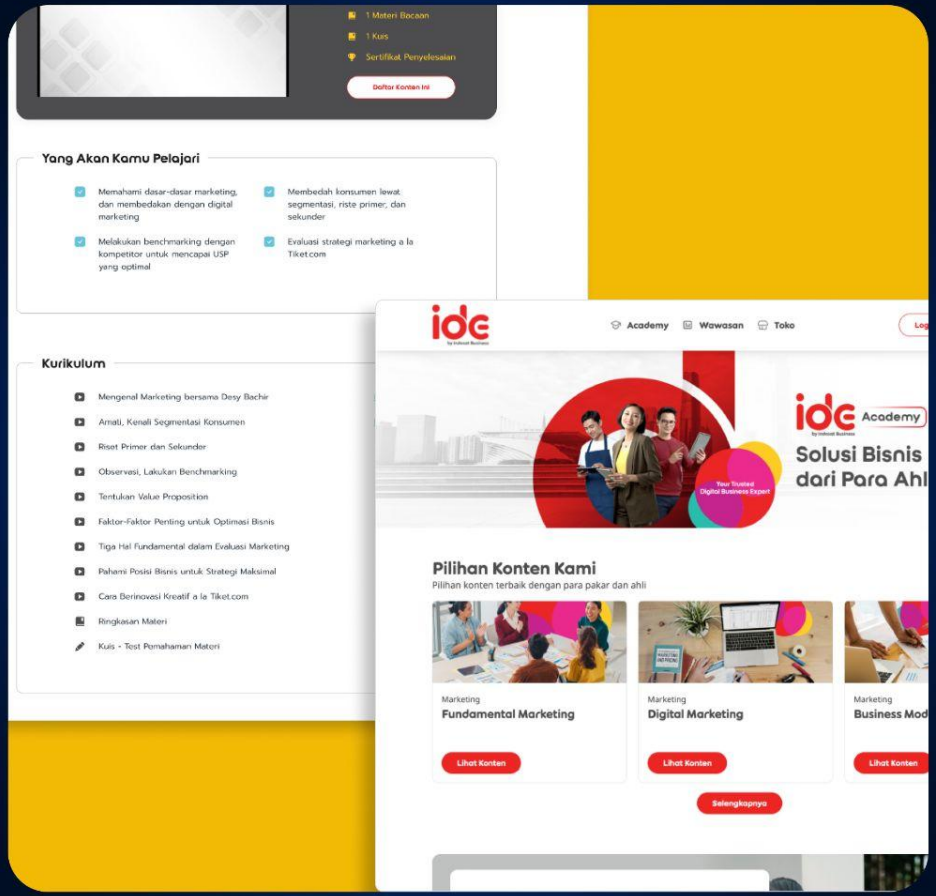
Workflow



Client

PT. Indosat Oordeo Hutchinson

Year

2023

Project Name

IDE Academy

Projet Description

Integrating our Learning Management System (LMS) into IDE Portal's workflow -- an initation from Indosaat Oordeo Hutchinson (IOH) to empower SME -- is a streamlined process designed for seamless incorporation into your IDE's ecosystem. Our teamwork closely with IOH's IT team to ensure a smooth transition, customizing the LMS to align with specific requirements and existing infrastructure. Through API integrations and data synchronization, we enable effortless connectivity with the current systems, allowing for automatic data updates, user management, and course deployment. This integration not only enhances operational efficiency but also preserves the continuity of IDE's user experience.

Key Features

1. Integrated to IDE ecosystem
2. Comprehensive learners analytics
3. Various learning activities

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

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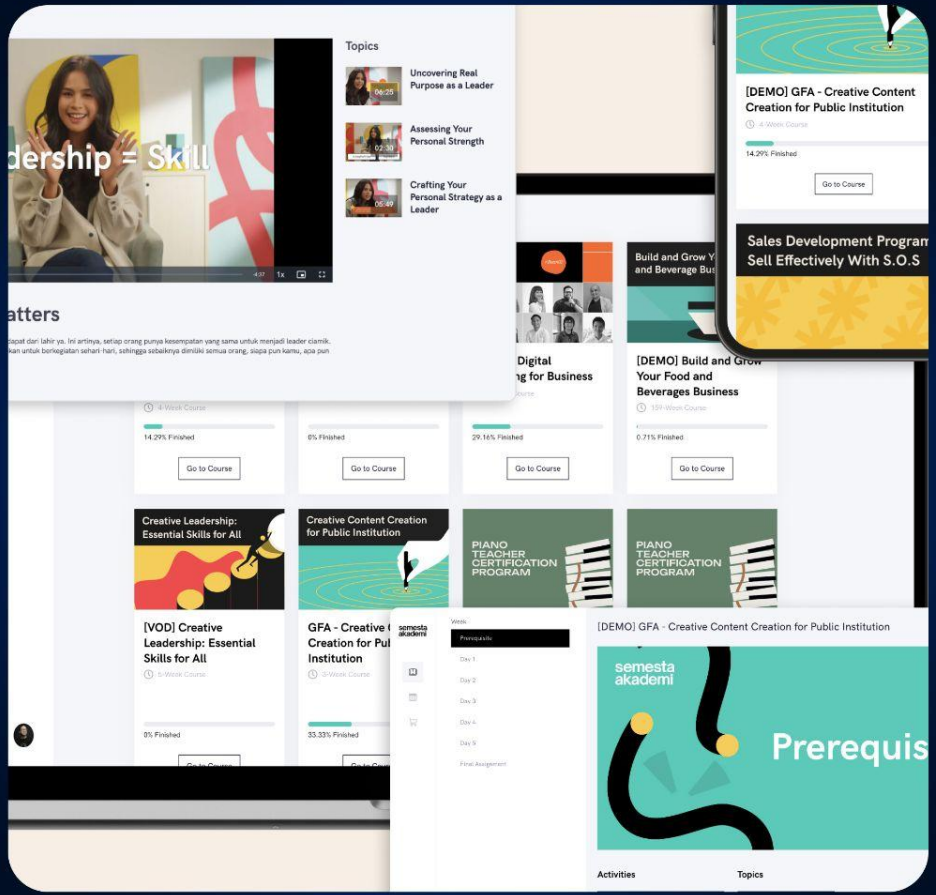
Workflow



Client

Semesta Akademi LMS

Year

2020 - Present

Project Name

PT. Semesta Edukasi Kreatif

Projet Description

Semesta Akademi LMS is a robust digital platform that provides a centralized hub for course management, content delivery, and students engagement. Through Semesta Akademi LMS, we can streamline the administration of Semesta Akademi's courses and enrichment classes, ensuring seamless enrollment, scheduling, and progress tracking. Students will benefit from a user-friendly interface that grants them access to course materials, assessments, and communication tools, enhancing their overall learning experience. The Semesta Akademi LMS empowers course creator with the tools they need to deliver high-quality, personalized education, fostering a dynamic and adaptive learning environment.

Key Features

1. Various learning activities
2. Interactive video for better engagement
3. Comprehensive learners analytics
4. Integration option with other LMS/ HRIS

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud

Client

Jagat Live

Year

2020 - 2022

Project Name

Samara Group

Projet Description

Jagat.Live, a metaverse platform powered by advanced 360° virtual reality technology. The platform offers a comprehensive three-dimensional virtual complex experience, enabling users to recreate and interact with real-life events. You can also host your own virtual events from anywhere. With this tech, we are redefining online engagement through cutting-edge spatial computing technologies.

Key Features

1. 360 Event Venue
2. Various user engagement activities
3. Virtual exhibition
4. Ticketing system
5. Robust event scheduler

Built with

Angular, Marzipano, Laravel, AWS, Auto Scale, Kubernetes, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud

Client

Tag Over Your Sh*t (TOYS)

Year

2022

Project Name

WICKD

Projet Description

A marketing activation for WICKD NFT that allows users to overlay their NFTs with the WICKD logo. The activation is quite simple: users can connect their NFT wallet to the website, select an NFT to be tagged with the logo, and the website will work its magic. All of the NFTs that have been overlaid with the logo can be saved and shared on social media platforms.

Built with

React

Project Type

- WebApp
- Cloud

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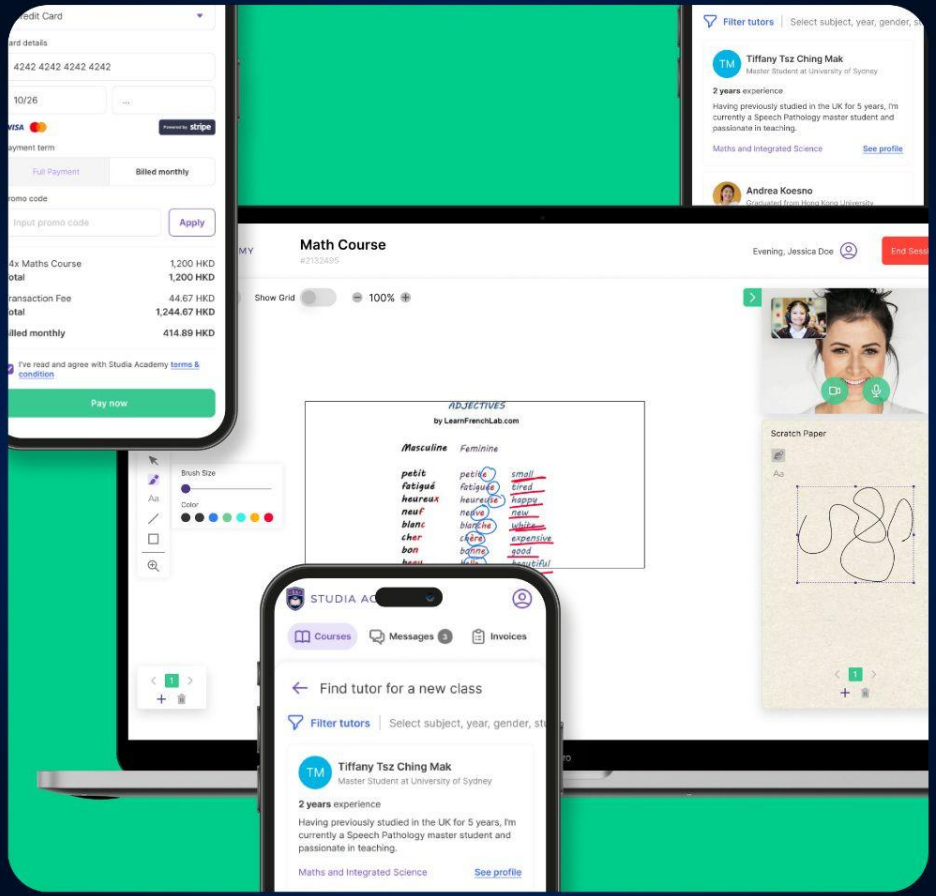
Workflow



Client

Studia Academy

Year

2020 - 2022

Project Name

Studia Academy

Projet Description

Studia Academy is a Hong Kong-based tutoring platform that connects students with tutors. On the platform, parents, acting as supervisors, can enroll their children to learn various school subjects with a tutor. Parents can monitor their children's progress while students learn with their tutors. Students and tutors meet in an integrated meeting room that features a built-in whiteboard, allowing tutors to teach interactively. Students can take notes and revisit the sessions through recorded materials.

Key Features

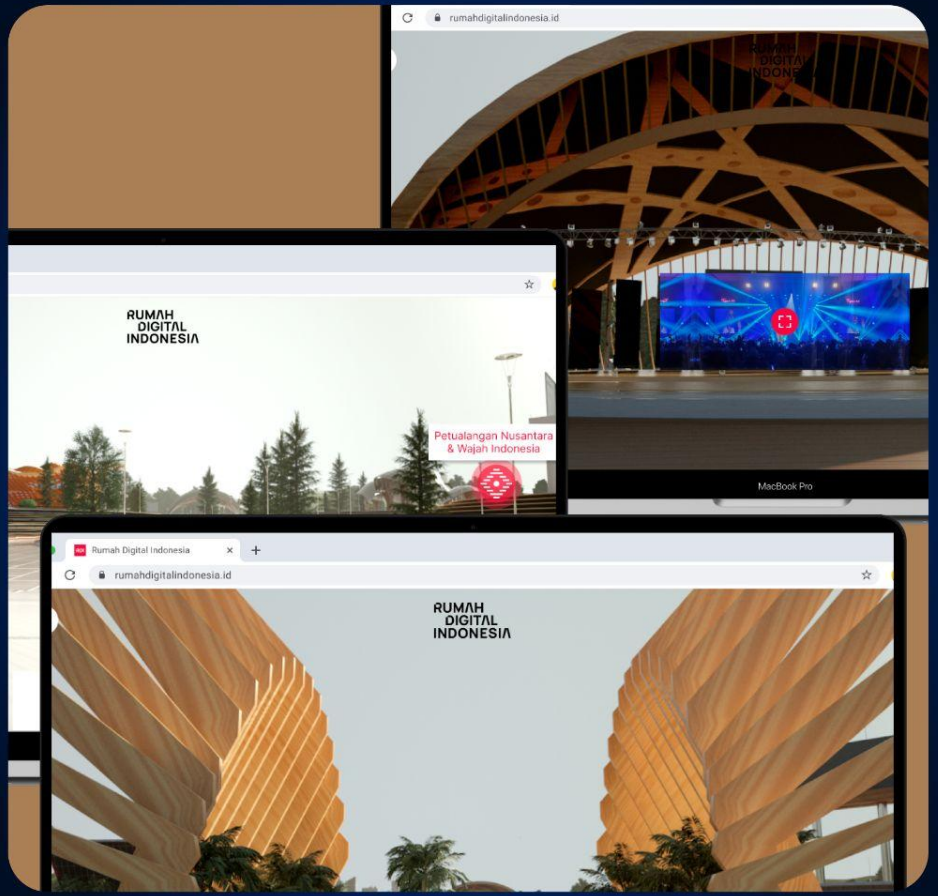
1. Built-in virtual class room with automated recording
2. Built-in virtual whiteboard
3. Robust booking system
4. Tutor earning disbursement system
5. Classroom access control
6. Exportable whiteboard data to files

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS

Project Type

- → WebApp
- → Cloud



Client

Rumah Digital Indonesia

Year

2021

Project Name

Rumah Digital Indonesia

Projet Description

Rumah Digital Indonesia is a digital celebration of Indonesian Independence Day, an initiative that has taken on even greater significance during the pandemic. In these unprecedented times, when physical gatherings are limited, we've transformed the way we commemorate this important day by bringing it to the digital realm. Through a series of virtual events, engaging activities, and interactive experiences, the event aimed to unite Indonesians across the nation and the world, fostering a sense of national pride and community spirit even in the face of adversity.

Key Features

1. 360 Event Venue
2. Various user engagement activities
3. Virtual exhibition
4. Robust event scheduler

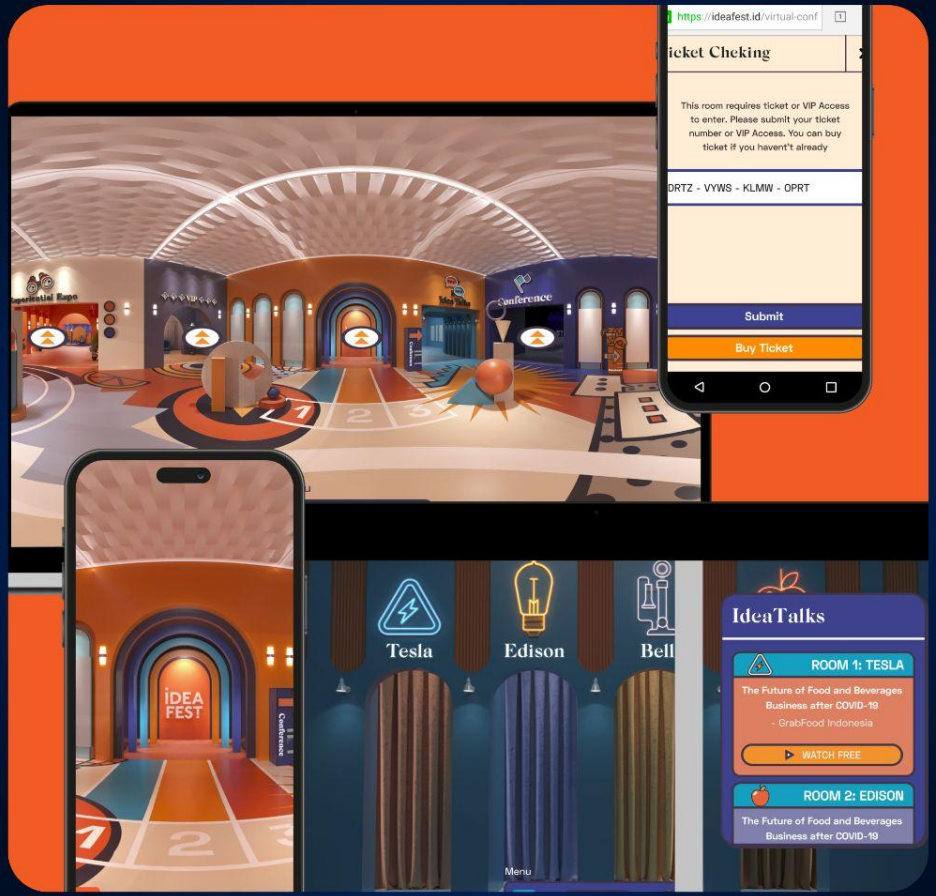
Built with

Angular, Marzipano Laravel, AWS, Auto Scale, Kubernetes, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud



Client

Ideafest 2020

Year

2020

Project Name

PT. Ide Untuk Indonesia

Projet Description

IDEAFEST is the largest festival in the creative industry, uniting and empowering creative communities to flourish. In response to the challenges posed by the pandemic, IDEAFEST successfully adapted by transitioning to a virtual reality format. This innovative approach allowed participants to engage in a dynamic and immersive creative experience from the safety of their homes. The virtual IDEAFEST retained its essence of fostering collaboration, inspiration, and networking within the creative sector, proving that even in the face of adversity, creativity knows no bounds.

Key Features

1. 360 Event Venue
2. Various user engagement activities
3. Robust event scheduler
4. Interactive animation for VIP guest

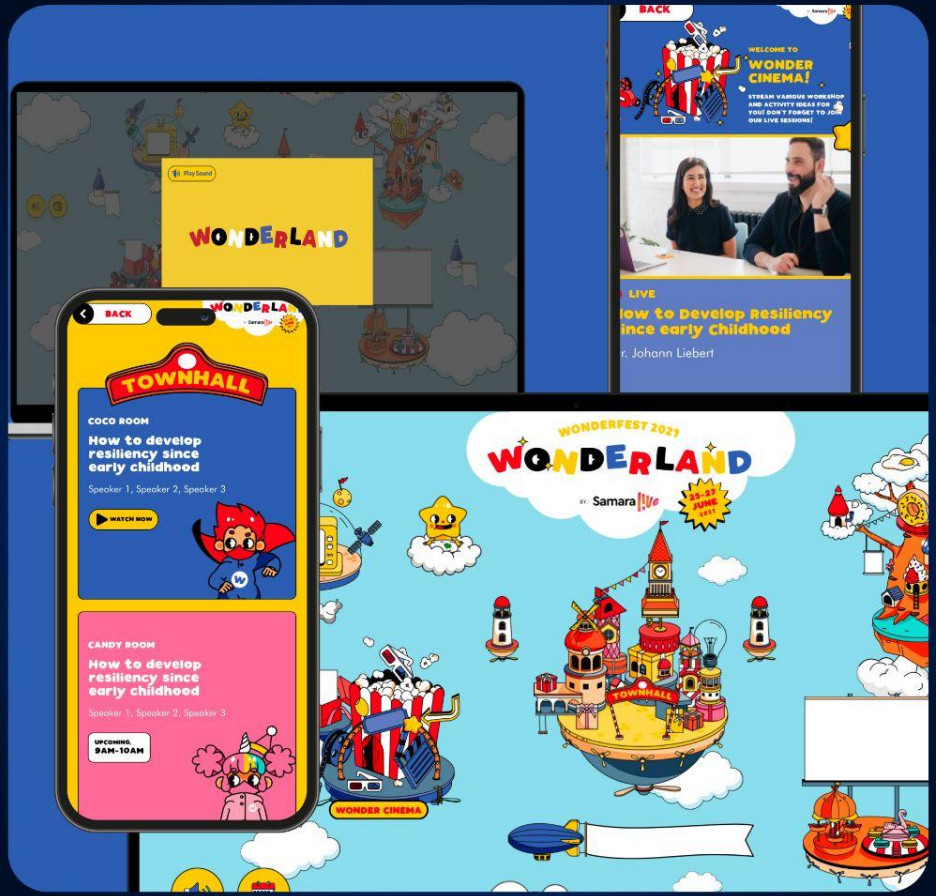
Built with

Angular, Marzipano, Laravel, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud



Client

Wonderfest

Year

2021

Project Name

Samara Group

Projet Description

Wonderfest is a vibrant Mom and Kid festival that celebrates the unique bond between mothers and their children. During the pandemic, Wonderfest seamlessly transitioned into an online format, ensuring that families could still come together and enjoy the magic of the festival from the safety of their homes. This innovative adaptation allowed us to continue fostering the special connection between moms and kids through a virtual platform, offering a wide array of engaging activities, workshops, and entertainment options to create cherished memories and strengthen the bond that defines Wonderfest.

Key Features

1. Interactive animated website
2. Various user engagement activities
3. Robust event scheduler

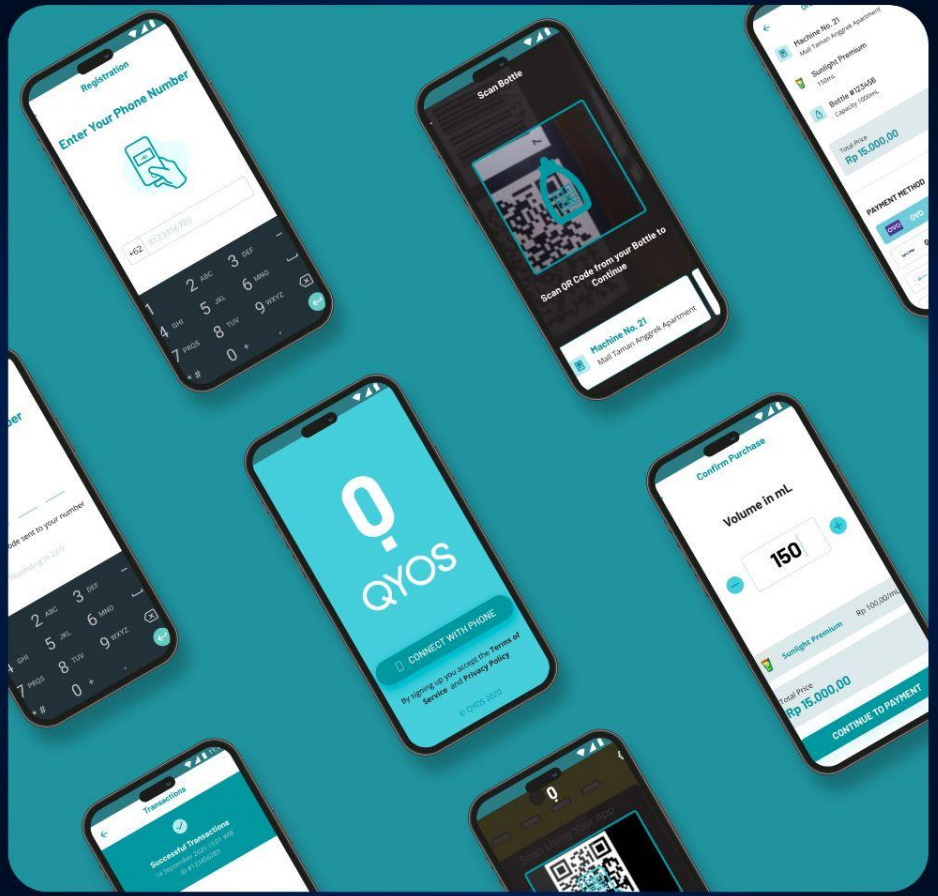
Built with

Angular, Laravel, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud



Client

QYOS App

Year

2020

Project Name

Algramo

Projet Description

QYOS is an app that enables users to conveniently refill their daily necessities, such as soap, dish soap, shampoo, and more. This app is seamlessly integrated with vending machines strategically placed in various apartments. Each vending machine is equipped with a unique barcode that can be scanned using the app. Once scanned, the app provides users with options to select the quantity of the item they wish to purchase. Upon confirmation of the transaction, the machine dispenses the soap according to their specified request.

Key Features

1. IOT dispensing machine built with Arduino
2. Lightweight Android App
3. Secure transaction

Built with

Arduino, Java, Laravel, RDS

Project Type

- Android
- IOS
- WebApp
- Cloud

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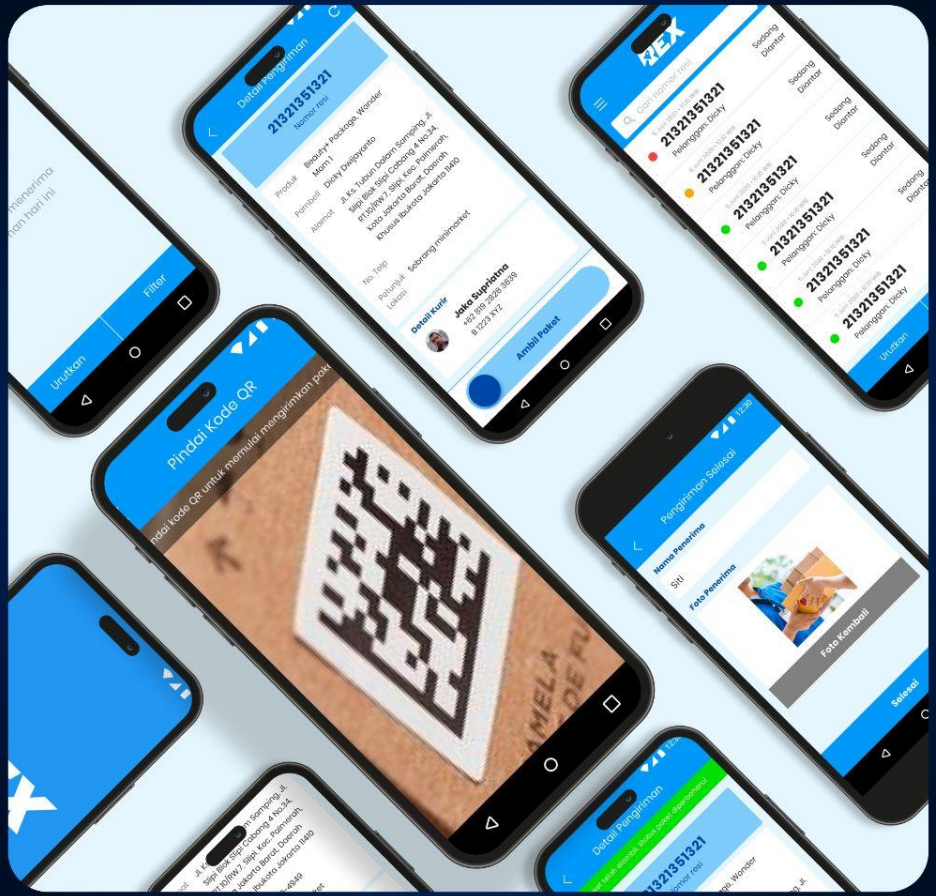
Workflow



Client

Rex Courier App

Year

2020

Project Name

Realfood

Projet Description

Rex Courier System is Realfoods' internal courier system, which plays a pivotal role in effectively managing and monitoring our package deliveries and courier operations. This intuitive app is exclusively designed for our dedicated couriers. Each day, couriers receive delivery requests directly on their mobile devices through the app. This streamlined process ensures prompt, efficient, and accurate deliveries, enabling us to uphold our commitment to providing exceptional service to our valued customers.

Key Features

1. Robust courier tracking
2. QR integrated package tracking

Built with

Java, Laravel, RDS

Project Type

- Android
- IOS
- WebApp
- Cloud

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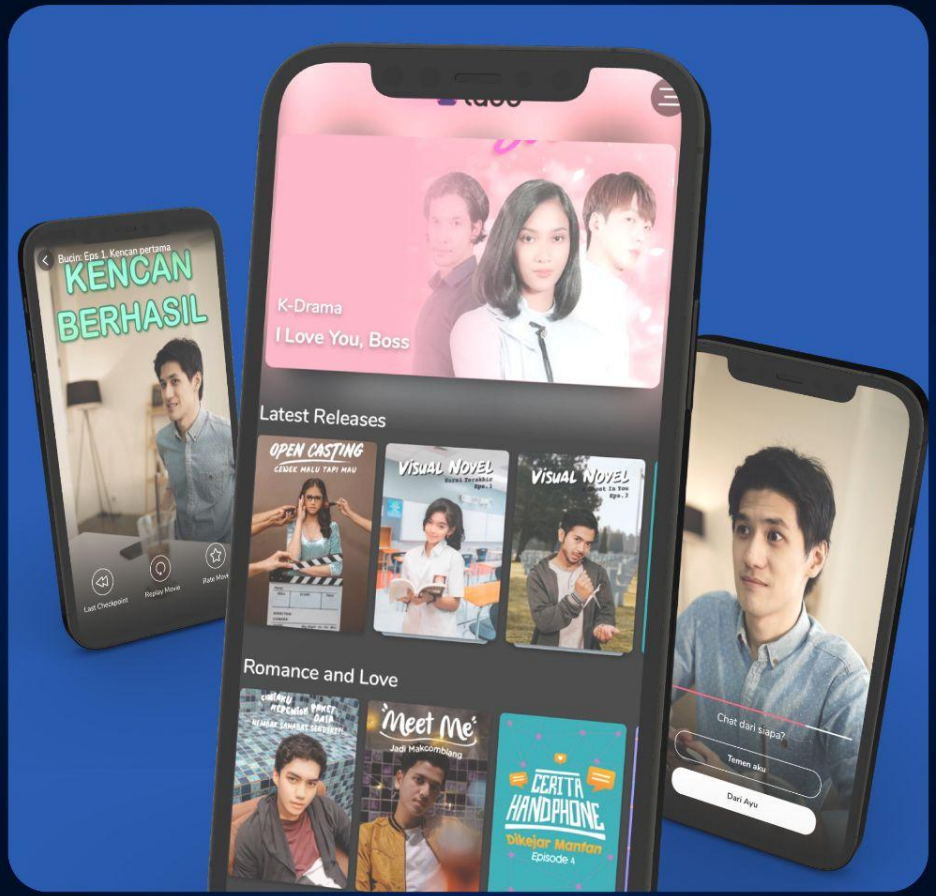
Workflow



Client

TADO TV App

Year

2018-2020

Project Name

PT. Karya Anak Digital

Projet Description

TadoTv is the only Indonesian tech enabler for OTT, Brands, or any video platform to have "Bandersnatch - interactive" content in their platform. Big clients such Telkomsel has integrated TadoTv interactive video player to serve interactive content in their app. Built with: CSS, Javascript, ReactJS, SWIFT, Cocoapod, JAVA, AWS, Elasticbeanstalk, Elemental Media Convert, Redis, MySQL, Cloudfront, Elasticsearch

Key Features

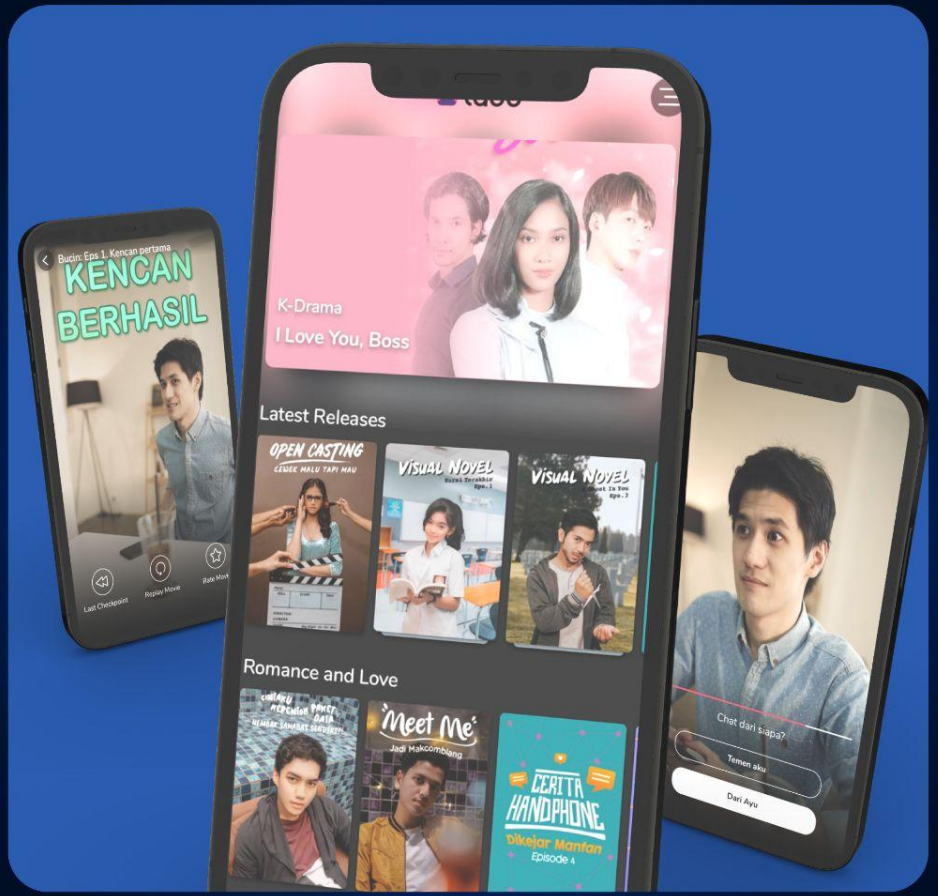
1. The first vertical interactive video
2. Powerful interactive content CMS
3. Seamless branching storyline transition
4. Sleek and Modern UI
5. Hi-performance video streaming

Built with

CSS, Angular-JS, HTML, PHP, Laravel- Framework, SWIFT, Cocoapod, JAVA, AWS, MySQL, Redis

Project Type

- Android
- IOS
- WebApp
- Cloud



Client

TADO - Tanya Dong App

Year

2017-2019

Project Name

PT. Karya Anak Digital

Projet Description

Tado is a vertical video platform focusing on video Q&A that allows influencers to answer questions from their followers that bid their question for a price. Tado app also provides clever compression method that makes video size small enough yet still maintain good quality from all users.

Key Features

1. Virtual Currency payment system
2. Artist earning disbursement system
3. Interactive video filters
4. Hi-performance video streaming

Built with

CSS, Angular-JS, HTML, PHP, Laravel- Framework, SWIFT, Cocoapod, JAVA, AWS, MySQL, Redis

Project Type

- → Android
- → IOS
- → WebApp
- → Cloud

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LMS by CodeMatter

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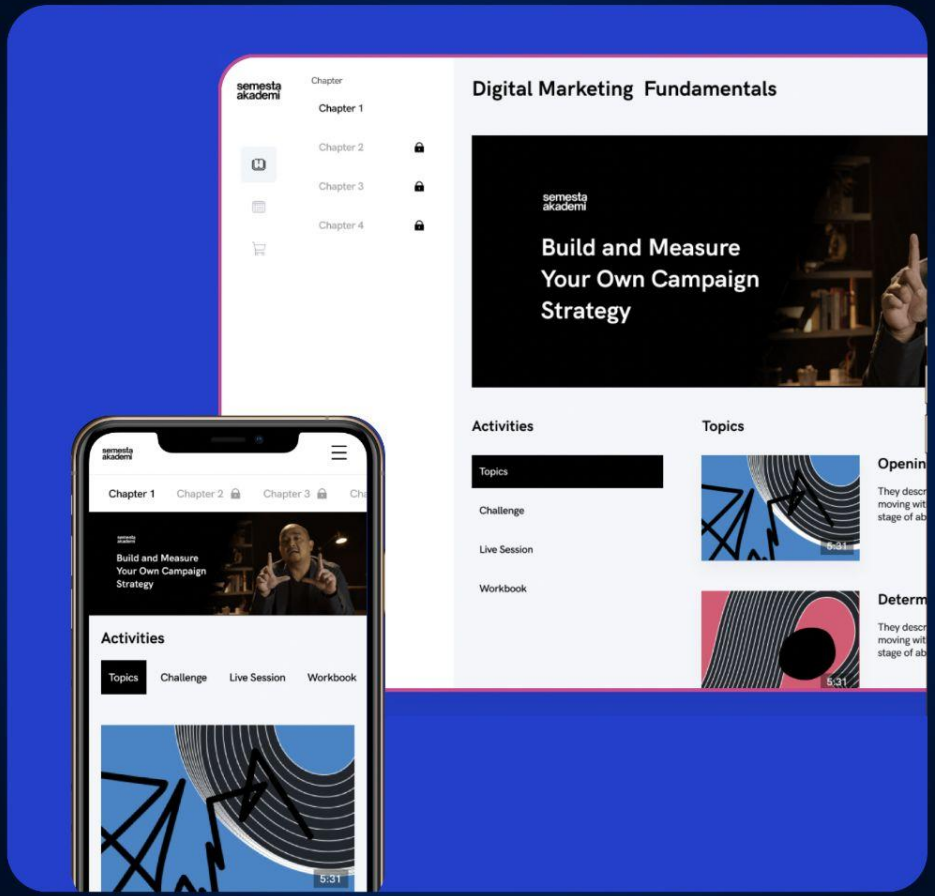
Workflow



Student Learning Features

Features in the LMS are made with interactive methods and are able to build employee interest in learning, resulting in a high level of participation

Key Features

1 Lightweight Fully Responsive Web

A lightweight platform that is responsive to all user devices, eliminating the need for additional apps

2 Various Activities

Various learning activities designed so that students can focus and not be bored in receiving material

3 Customization and APIs

The LMS can be customized to the needs of the company and can be connected to client or third-party APIs

4 Social Learning

Learn not only from materials, but also from classmates

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Student Learning Activities

Various activities in the LMS that companies can use to create fun and varied employee learning methods

Live Session

Live Session is a learning method delivered directly by the facilitator according to the topic presented.

Video

The material is presented in video format to make it easier for students to digest the lessons.

Challenge

Challenge or quiz is a feature to evaluate a student's understanding of the material he/she is learning

Workbook

Workbooks contain important concepts and tips and tricks and can be easily downloaded.

Forum

Forum is a medium for communication and discussion of the material being studied.

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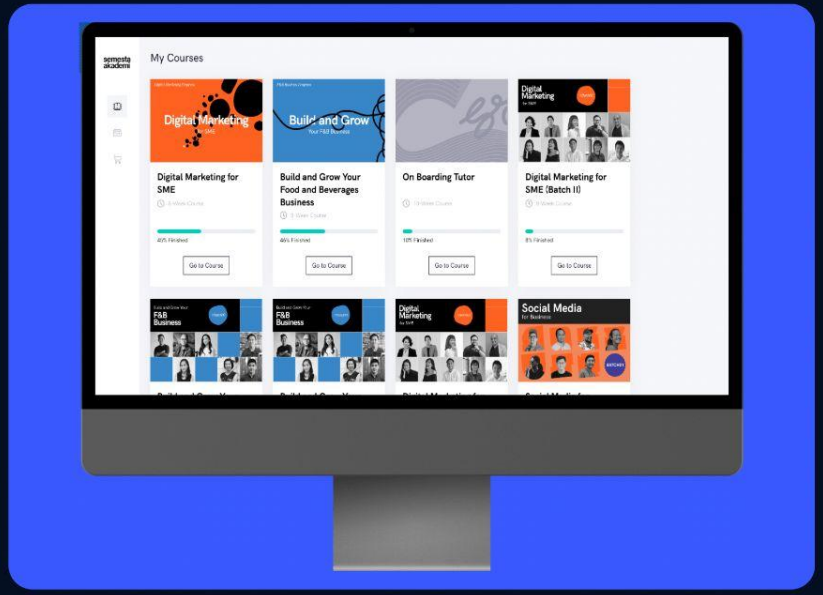
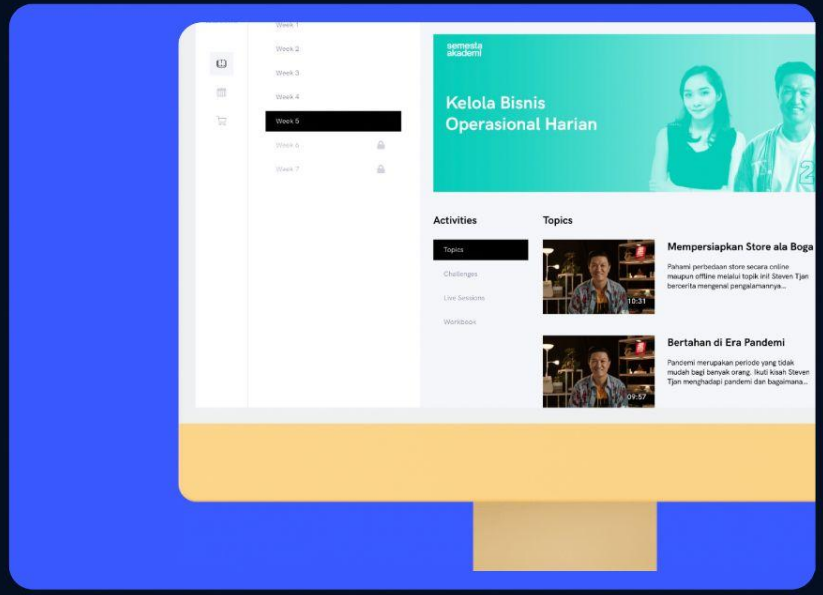
Workflow

StudentDashboard

A dashboard where participants can access learning materials in the form of videos, workbooks, or join live sessions.





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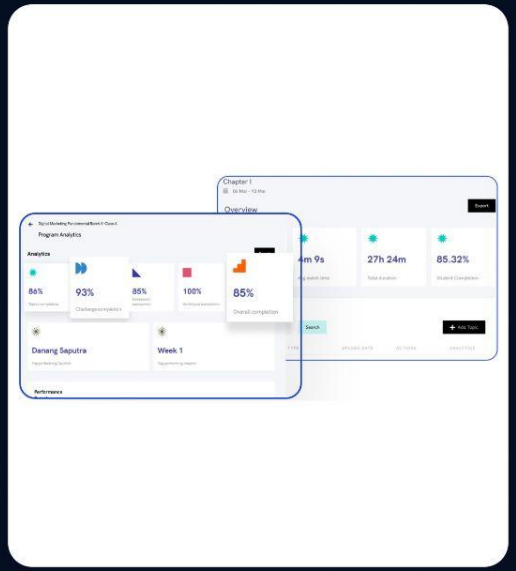
Admin Features

The Admin feature is used to control and monitor class activities, so that the admin can ensure that every employee participates in all lessons. Admins are also able to appoint new admins with the same function.



Student Ranks

View student performance by rank

Performance Dashboard

Measure students' performance & engagement with the material & class as well as their learning duration

Manage Participants

Manage student, tutor, and admin access

Scalable Class And Curriculums

Classes can always be evaluated and adapted to learning needs more quickly

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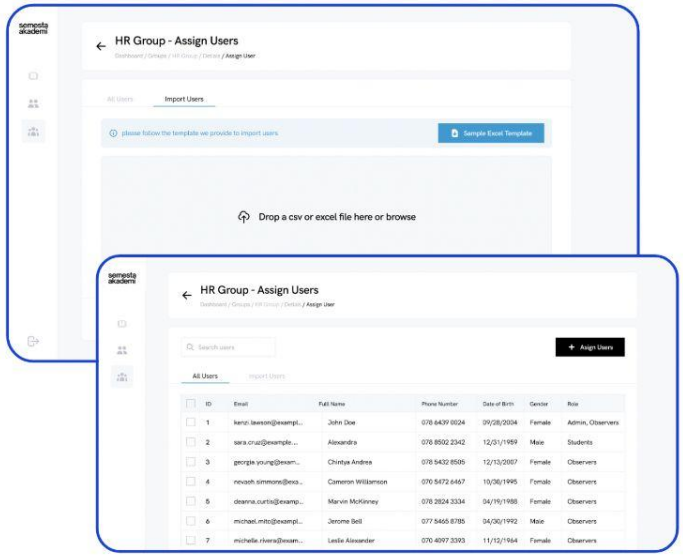
Workflow

Bulk upload and Configurable User Groups

Upload multiple users simultaneously and group them based on departments, level, categories, and so on.



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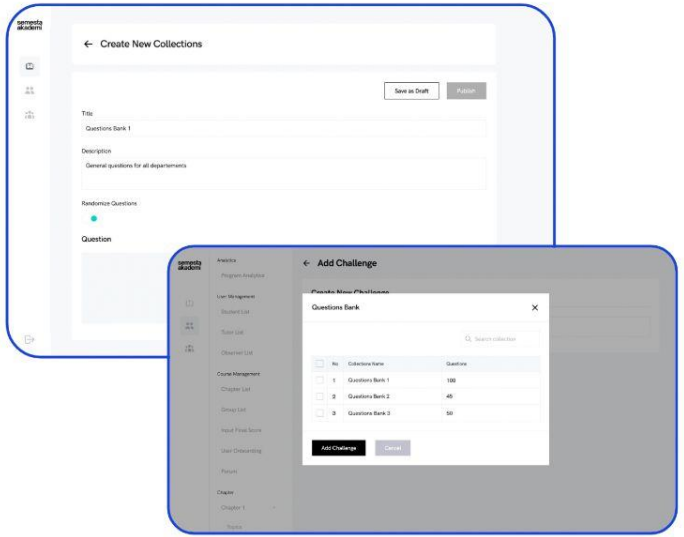
Workflow

Randomize Questions from Question Bank

Create a pre-test and post-test from question bank. You can randomize the order of the question to get unique test for each student



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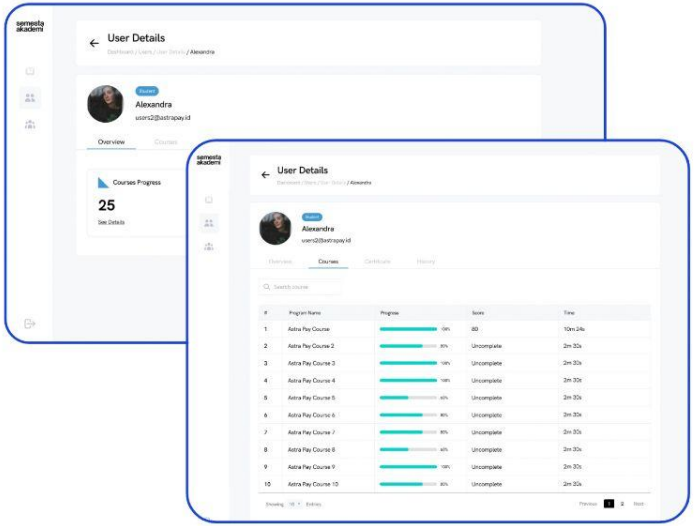
Workflow

Track Individual User Progress

Track an individual progress, what courses they are enrolled in, courses they have completed, and how many certificates they have



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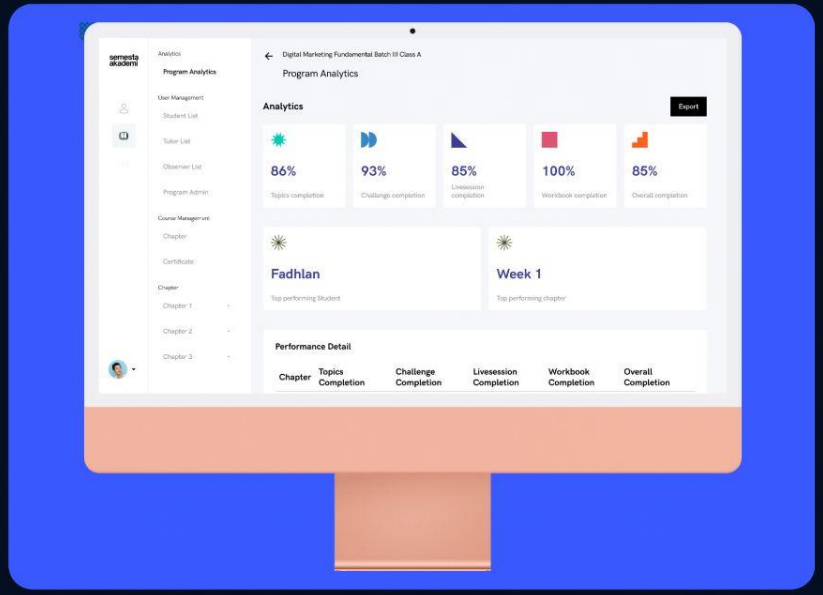
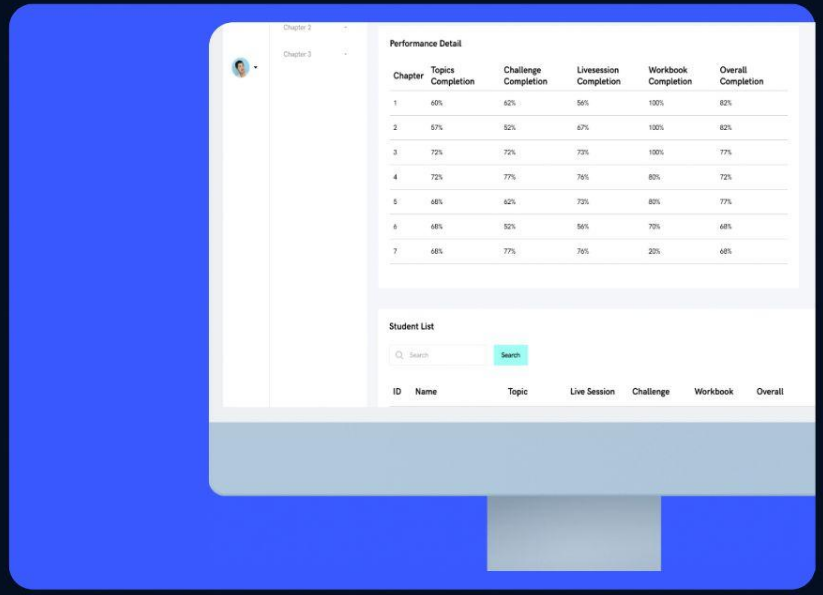
Workflow

Learning Trackers

LMS feature that makes it easy to view the performance of learning participants and ongoing classes.





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