



Software Solutions

“At Darkthorn Labs, we craft innovative, efficient software solutions that transform business efficiency and customer engagement.”

Making every byte count

About Darkthorn Labs

Our team thrives on a shared commitment to innovation and excellence, built upon years of diverse industry exposure and problem-solving acumen. Our collective journey has armed us with a profound skill set and insights, from spearheading teams in software solutions to reshaping operational standards in various sectors.

Skilled in process and data management, we have designed sophisticated tracking systems, comprehensive project control tools, and dynamic web portals that have revolutionized foundational business processes. This includes advanced timesheet tracking, inventory management, and the development of interactive dashboards for real-time decision-making.

Our Expertise

Custom Web Development

We leverage modern technologies like React, Python, and NodeJS with HTML, CSS, and JavaScript to build web applications.

Web Platform Development

We create dynamic websites and e-commerce platforms using WordPress, Shopify, and Wix.

Scripts & Utilities

We implement custom scripts in Python, Bash, and PowerShell are tailored to enhance system efficiency and productivity.

Project Controls & Automation

We offer precise oversight and predictive insights to transform your project management.

Cloud Computing

Our expertise in AWS and Azure allows us to architect scalable, cost-efficient platforms.

ERP/CRM Solutions

We are specialized in Salesforce and NetSuite to improve business efficiency and customer relationships.

Technologies We Use



React

AWS

Express JS

Salesforce

NodeJS

Azure

Django

NetSuite

Python

WordPress

Figma

Maximo

Java

Shopify

Android Dev

OpenInvoice

JavaScript

Magento

Swift

Track

HTML / CSS

Wix

Flutter

Blender



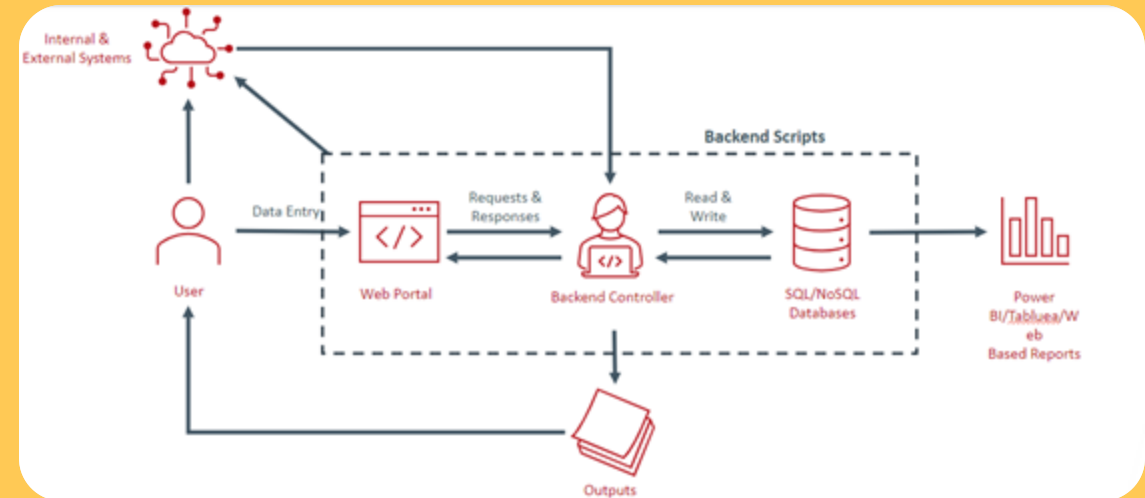
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Our Projects

Robotic Process Automation (RPA) Web Portal

Web Portal leverages RPA and technologies like Selenium, Python, and Django to automate and enhance business processes, ensuring data accuracy and team collaboration.

- Utilizes RPA with Selenium, Python, and Django for a powerful automation backend.
- Features include automated timesheet management, seamless SAP integration, and real-time tracking.
- Improves project management and reporting accuracy, enhancing productivity and team cohesion.
- Reduces manual errors through efficient document handling, fostering a more streamlined operation.



RPA Reporting - Web Based example

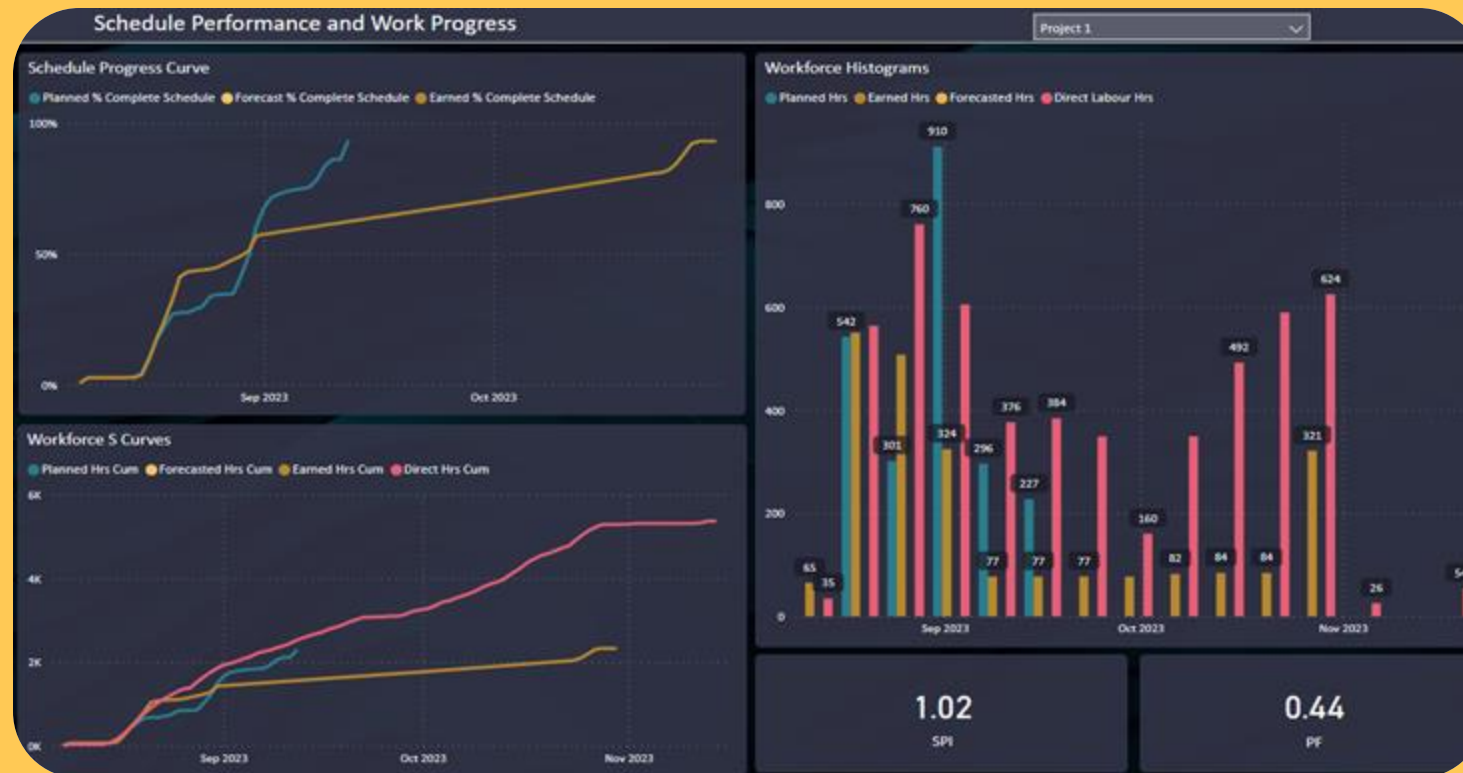


Developed a React-based reporting solution enriched with the integration of PowerBI and Tableau, we aimed to provide a platform that not only facilitates real-time data presentation and extensive customization but also ensured secure and selective access to information for both internal stakeholders and external partners. The following slides provide a detailed breakdown of the solution's key features and implementation considerations:



RPA Reporting - Power BI example 1

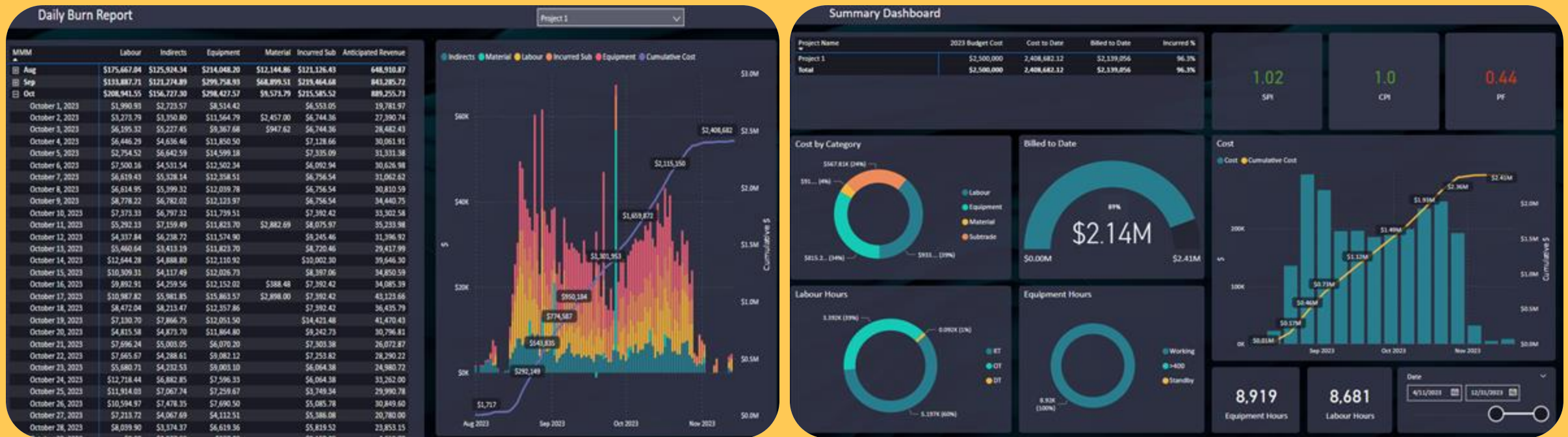
- **Real-Time Reporting and Custom Graphs:** Utilizes technologies like WebSockets or Socket.IO for live data updates and libraries such as D3.js or Chart.js for creating dynamic, interactive graphs tailored to diverse data presentation needs.
- **Downloadable Reports in Various Formats:** Offers functionality for exporting data into formats like PDF, CSV, P6, and PowerBI, facilitated by libraries like PDFMake and custom-built exporters, enabling offline data analysis and sharing.



RPA Reporting - Power BI example 2



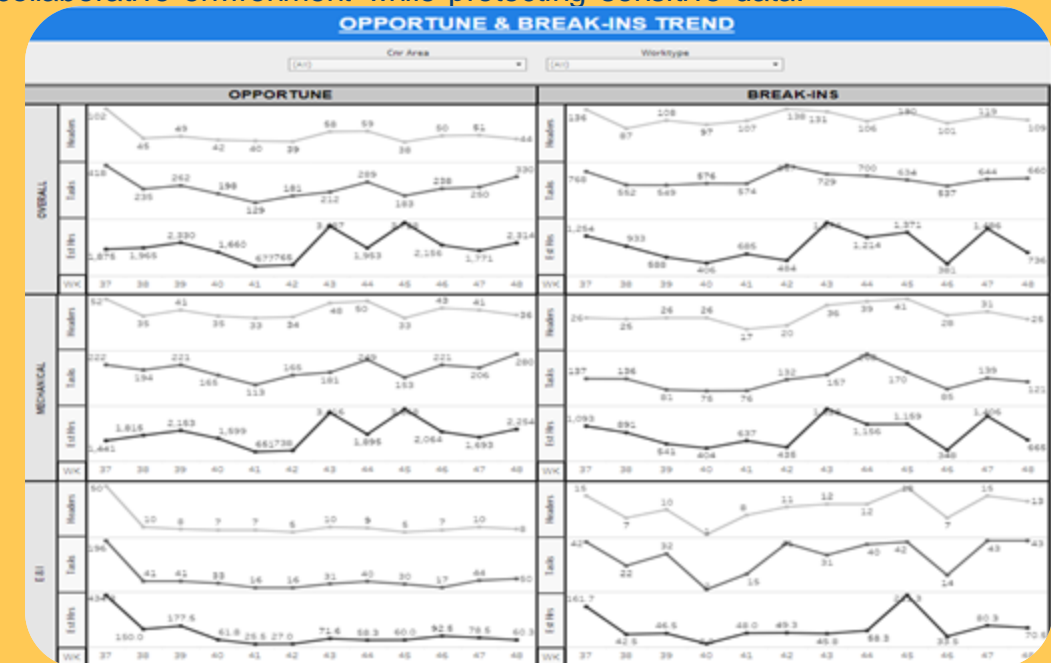
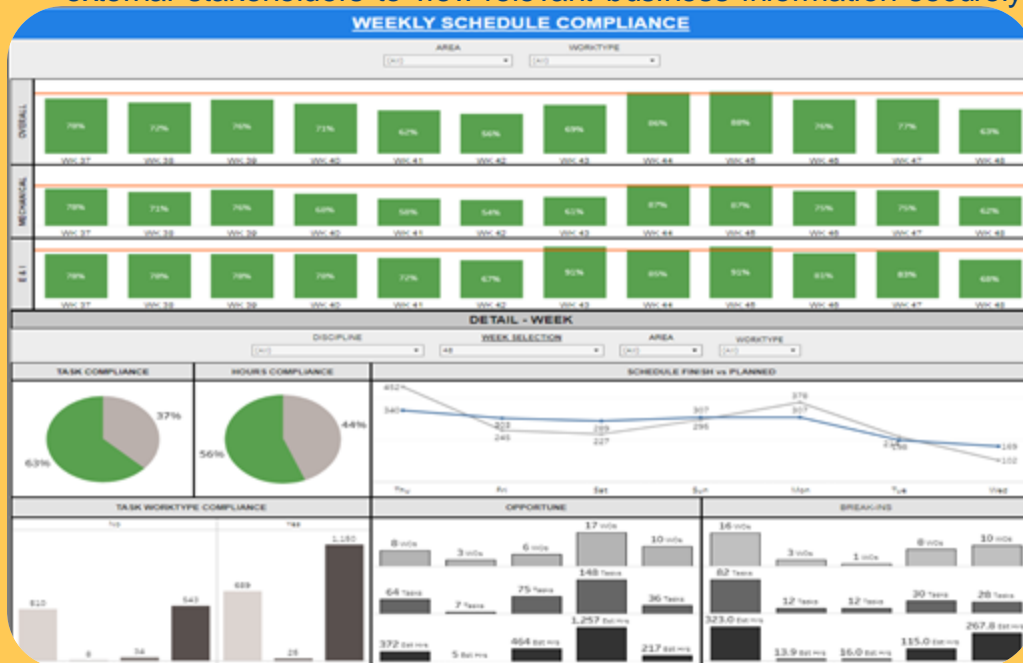
- **Web-Based Accessibility with Advanced Data Tools Integration:** Provides easy access through any modern web browser without extra installations, integrating with PowerBI and Tableau for generating detailed reports accessible via the web portal.
- **Enhanced Security with MFA:** Incorporates Multi-Factor Authentication using methods like SMS codes, email verification, or authenticator apps, ensuring a secure environment and protecting against unauthorized access.



RPA Reporting - Tableau example



- **Backend, Database, and Cloud Integration:** Features a robust backend setup with Node.js and Express for efficient data management and real-time communication, supports both SQL and NoSQL databases, and utilizes cloud services and APIs for secure MFA implementation.
- **Linking External Client/Contractor Data:** Allows for seamless integration of external client and contractor reports/data, providing a comprehensive view of all project-related information and enhancing collaborative decision-making.
- **Controlled Access for Internal and External Users:** Implements sophisticated access control mechanisms, enabling role-based access for internal and external stakeholders to view relevant business information securely, fostering a collaborative environment while protecting sensitive data.

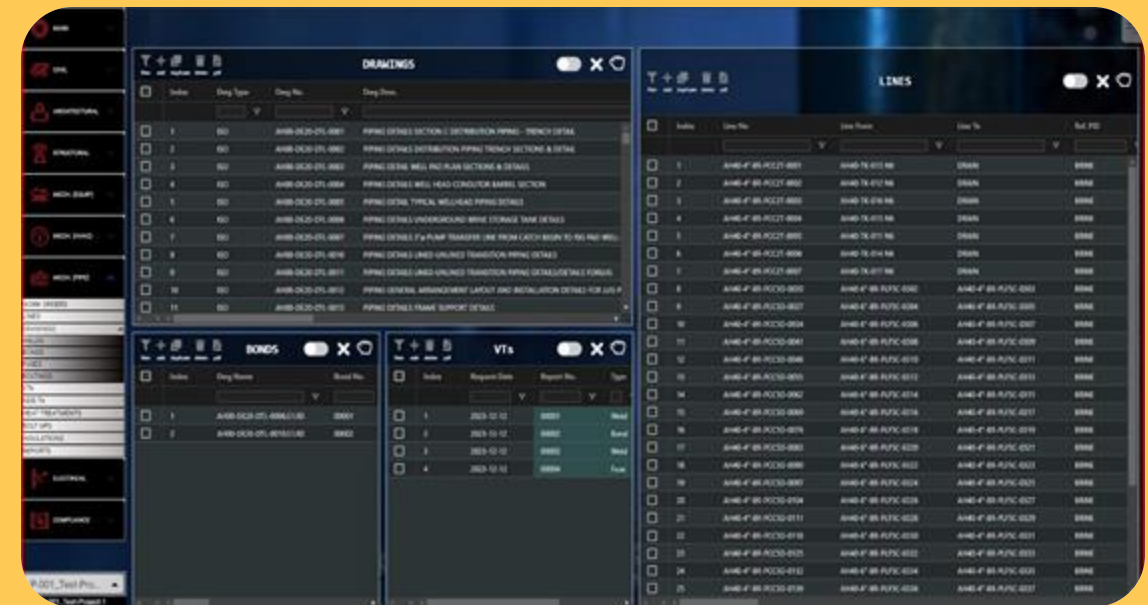


Quality Next-Gen Solution - Construction



Launched QNG, revolutionizing construction data management with a blend of FastAPI, React, and TypeScript for superior efficiency and accuracy.

- Developed with FastAPI (backend) and React with TypeScript (frontend) for robust data management.
- Features real-time updates, enhanced accuracy, and multi-user access for diverse needs.
- Optimizes project management and quality assurance, setting new industry standards.
- Utilizes agile methodologies for a user-centric design, boosting operational efficiency and satisfaction.

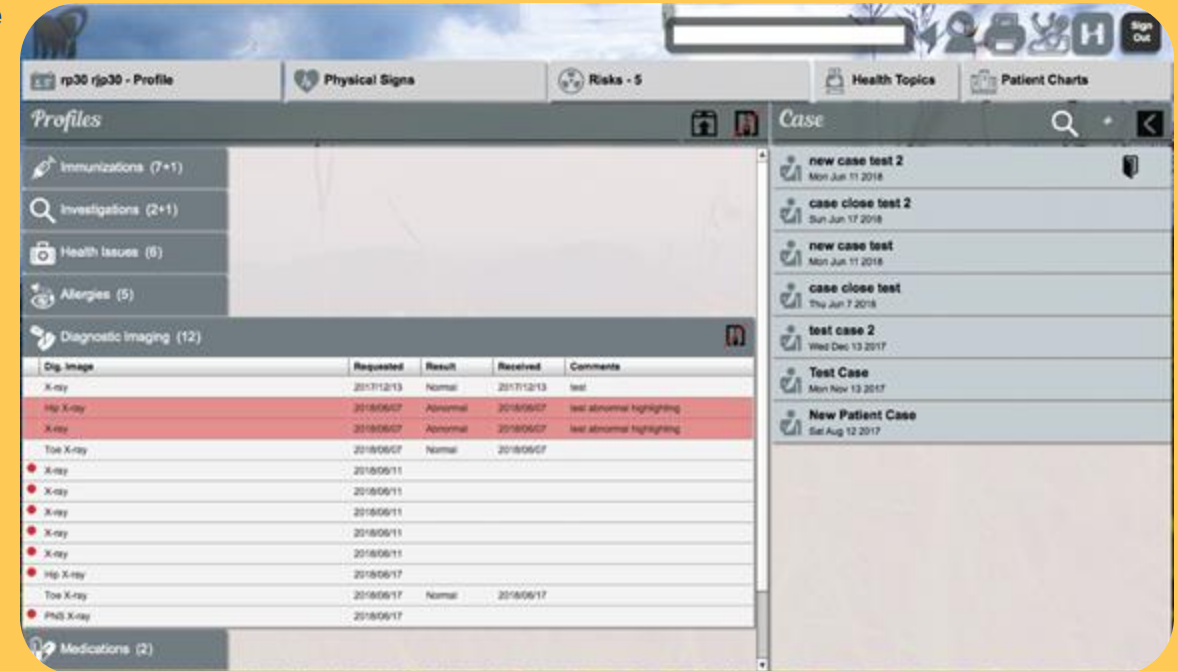


Electronic Medical Record (Page 1)



Darkthorn Labs is proud to announce the successful deployment of the advanced Electronic Medical Record (EMR) solution, designed to enhance the management and security of patient medical records in healthcare facilities. This comprehensive system centralizes patient data, integrates sophisticated health tracking and risk assessment tools, and ensures seamless communication within the healthcare ecosystem. Here's an overview of the key features and achievements of our EMR solution:

- **Centralized Medical Data Management:** Our EMR system acts as a unified repository for patient information, enabling quick access to medical histories, diagnostic reports, and treatment plans, thereby improving the quality of care.
- **Health Tracking and Risk Assessment:** We've embedded functionality to monitor health indicators such as immunizations, CVD risk factors, medications, and allergies, with our system capable of analyzing and flagging potential health risks for early intervention.



Electronic Medical Record (Page 2)



- **Vital Signs Monitoring and Abnormality Flagging:** Continuous tracking of vital patient information is in place, with our system alerting healthcare providers to any detected abnormalities, facilitating immediate attention to emerging health concerns.
- **Secure and HIPAA Compliant:** Security is paramount in our EMR solution. The backend is encrypted, safeguarding data at rest and in transit, thus ensuring compliance with HIPAA standards and fostering trust among users.
- **Integration with External Reports and Medical Testing Centers:** Our system links directly to external medical reports and testing centers, ensuring that patient records are comprehensive and up-to-date.
- **Advanced Risk Calculation Tools:** Utilizing cutting-edge algorithms, our EMR calculates specific health risks, aiding healthcare providers in creating targeted prevention and treatment strategies.
- **Robust Access Control and Data Sharing:** Stringent access controls are implemented to ensure secure access for healthcare providers and authorized data sharing, in line with HIPAA regulations.

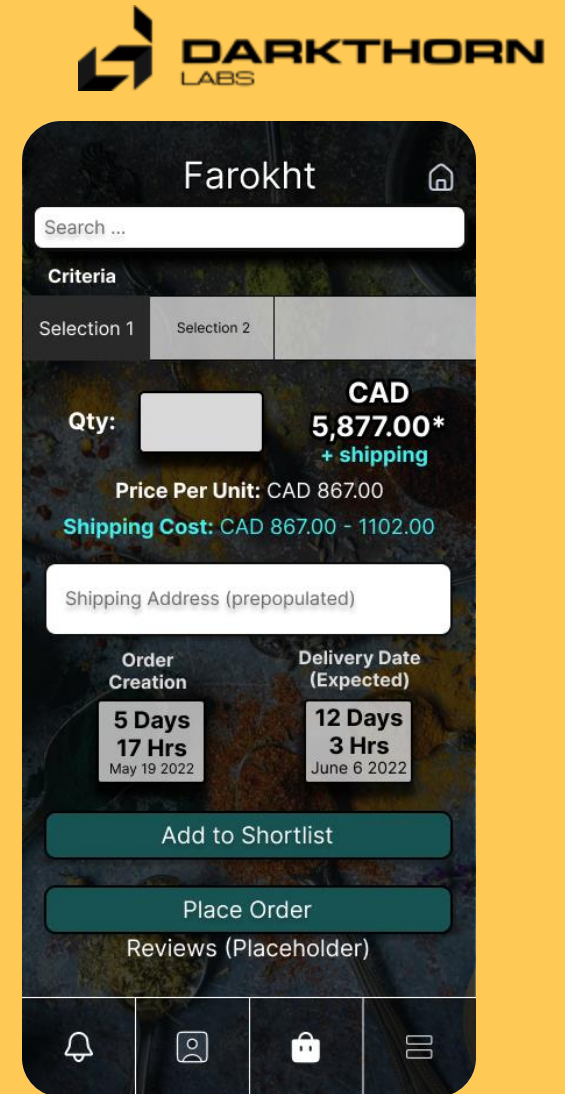
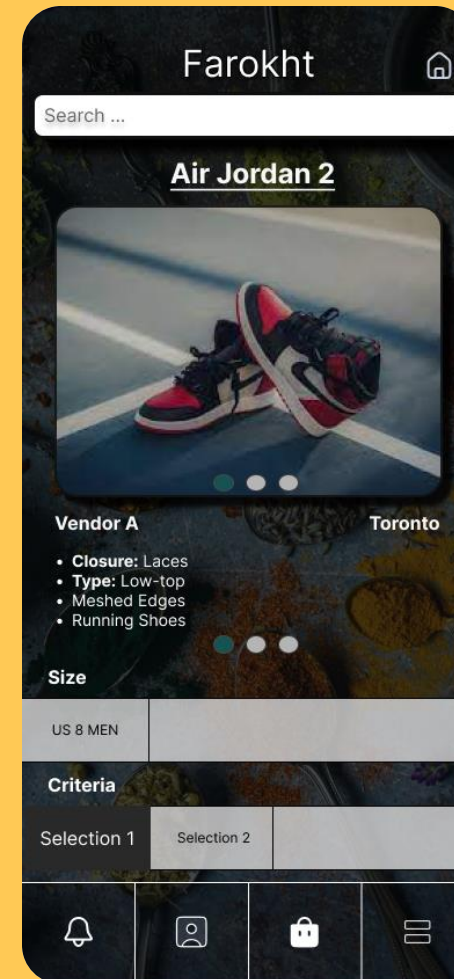
Enhancements to our EMR solution include:

- **Backend Encryption:** Our backend infrastructure is fortified with advanced encryption protocols, protecting data against unauthorized access and ensuring that patient information is handled with the highest security standards.
- **In-App Mailing/Notification System:** An integrated mailing and notification system within the app facilitates efficient communication among healthcare providers, patients, and administrative staff, ensuring timely sharing of critical health information and updates.

Wholesale E-Commerce Mobile App Design

Designed an intuitive and efficient business/app flow for a wholesale e-commerce platform, enhancing the bulk purchasing experience through Figma.

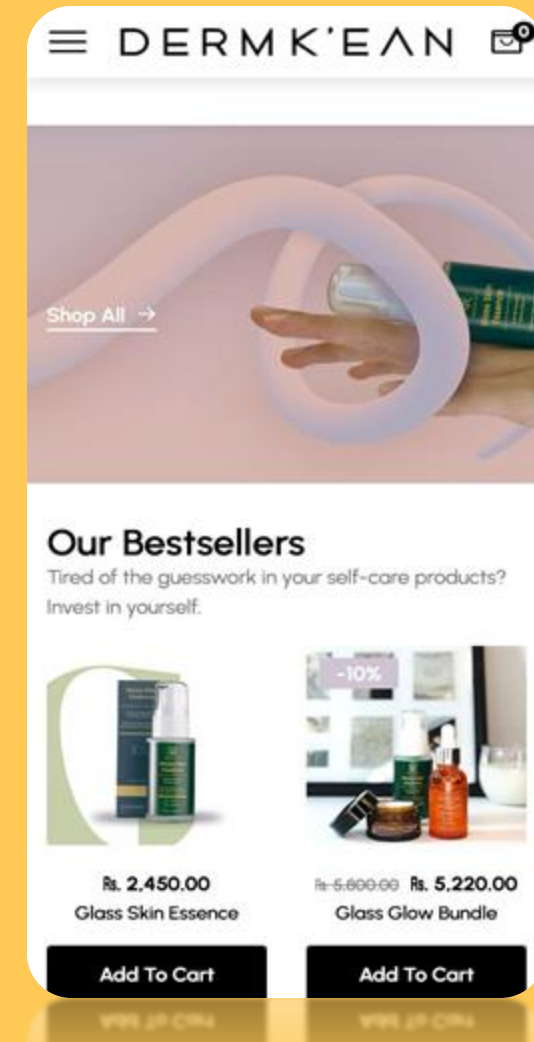
- Employed Figma for comprehensive business and app flow design, focusing on user journey efficiency.
- Utilized Figma's collaborative features for real-time stakeholder engagement and feedback.
- Achieved a seamless and intuitive user experience, aligning with business goals.
- Delivered a sophisticated e-commerce solution that balances aesthetics with functionality.



WordPress E-Commerce Website

Delivered an advanced WordPress E-Commerce site for DermK'ean, enhancing its online presence with a blend of user-centric design and strategic SEO.

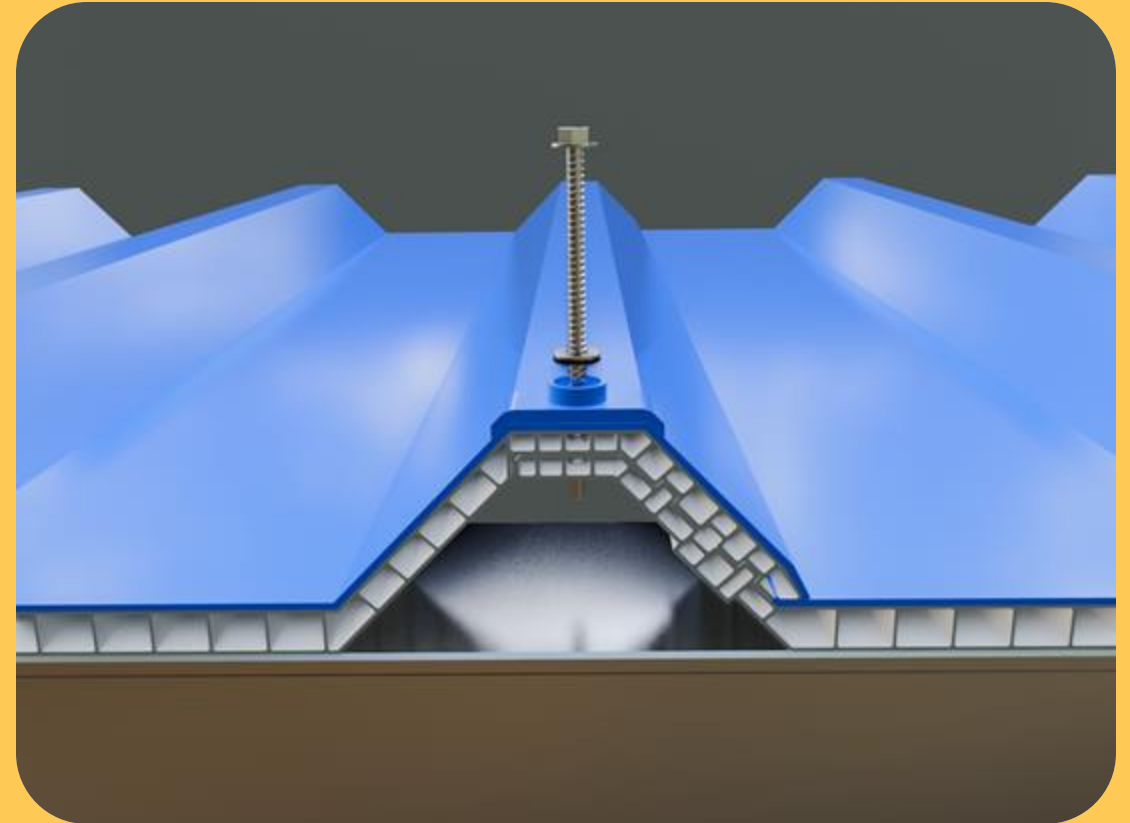
- Developed with WordPress and Elementor Pro for optimal responsiveness across devices.
- Incorporates custom PHP scripts for dynamic user engagement and personalized coupon generation.
- Achieved high Google rankings through meticulous SEO optimization, boosting organic traffic.
- Combines aesthetic appeal with efficient back-end management for inventory and orders.



3D Modelling with Blender

Harness Blender for intricate 3D modeling, transforming engineering concepts into dynamic, realistic simulations.

- Develops detailed 3D models as proof of concepts for engineering designs.
- Demonstrates functionality and mechanics of design concepts interactively.
- Creates lifelike simulations to visualize component interplay and aesthetics.
- Offers realistic simulations to preview potential engineering solutions.
- Utilizes Blender's precision for stakeholder engagement and design validation.



Let's Get Closer



Contact Form

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