



# Overcoming talent shortages & migrating from Drupal 8



# PROJECT OVERVIEW

## [TRAILME]

TRAILME is a brand and product that allows racers to track live data and provides real-time information during sports competitions.

**Client:** uHey Limited

**Location:** Hong Kong

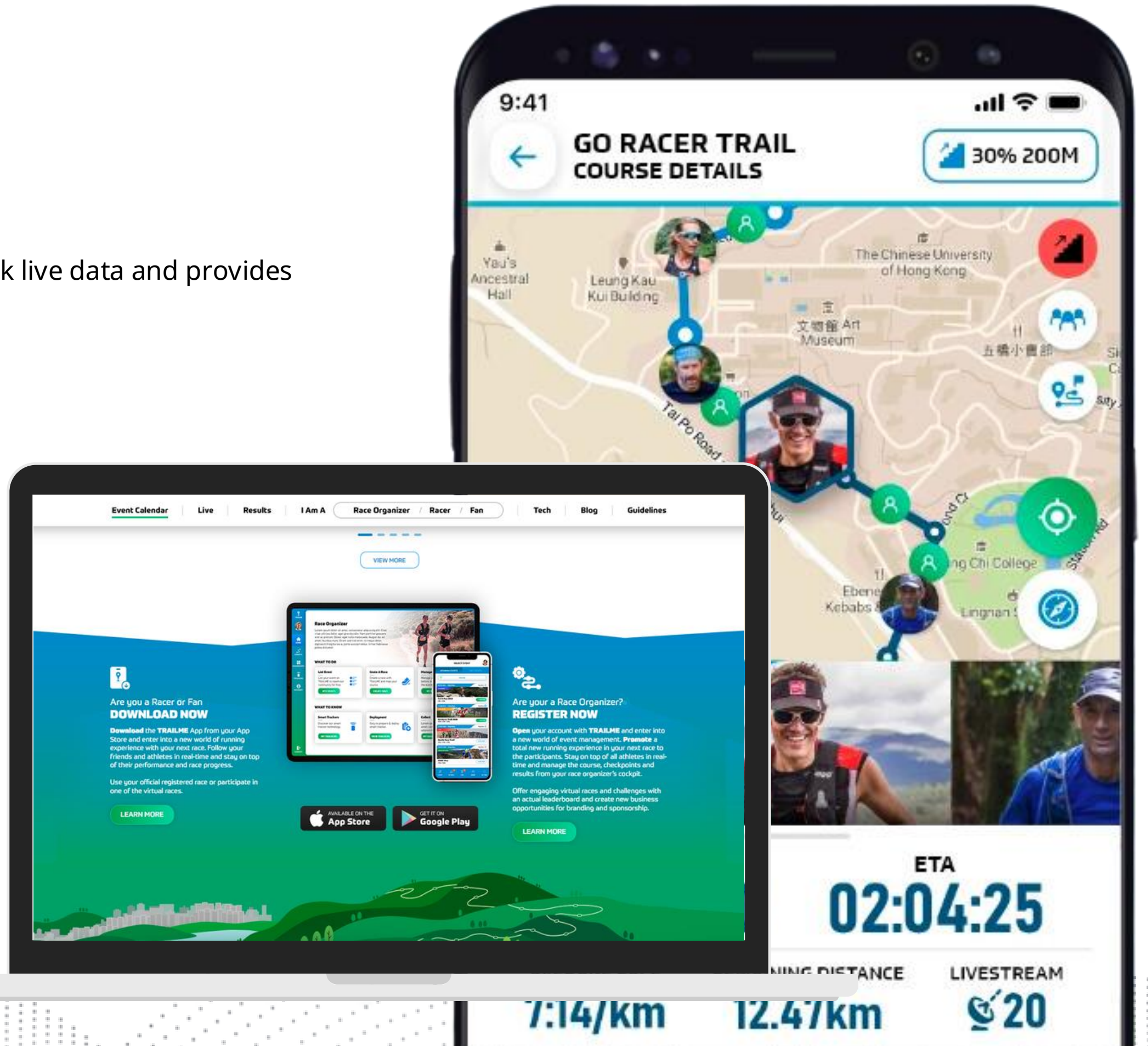
**Industry:** SportsTech

**Duration:** 10/2023 – 01/2024

**Size:** 4.5 MM

**Service:** Sports event organization

**Key technologies:** [Drupal], [MySQL], [AWS]



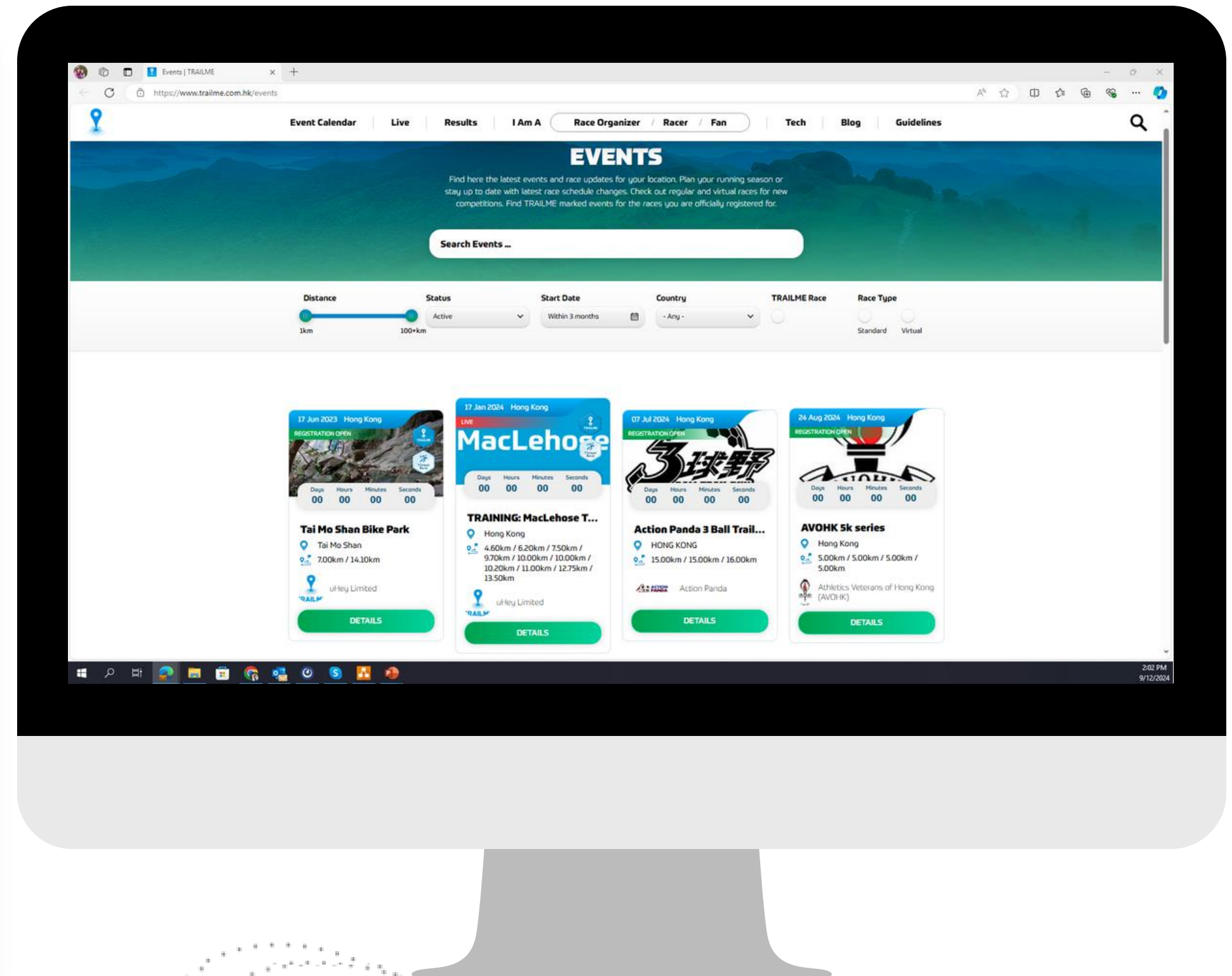
# PROJECT OVERVIEW

## CLIENT AND OBJECTIVE

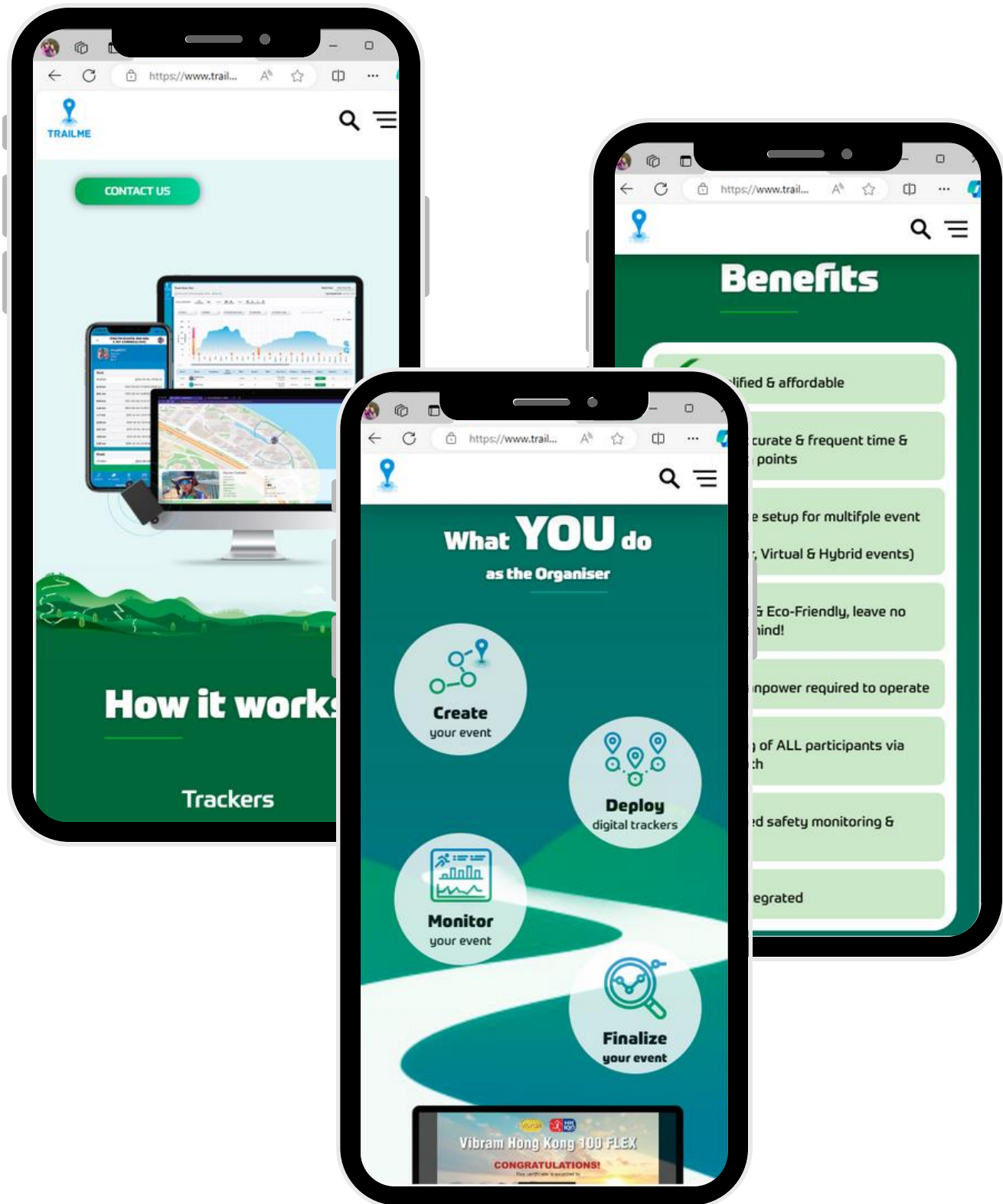
uHey Limited is a SportsTech company based in Hong Kong that has been developing a brand called Trailme for the past four years. uHey aims to revolutionize the way sports events like marathons and swimming competitions are organized through Trailme's products and services.

In recent years, uHey has faced challenges as the technology job market in Hong Kong has become increasingly scarce. As a result, uHey is seeking an overseas partner to provide IT services to support its long-term technology goals.

The Trailme website was developed using Drupal version 8.9.2, and Drupal 8 reached its end of support in November 2021.



# PROJECT OVERVIEW



## CHALLENGES

Drupal 8 will no longer be supported as of November 2021.

The website is vulnerable to security risks and exploitation.

The website currently does not support multiple languages.

## STRATEGYS & SOLUTIONS

*If version upgrade and new feature development are handled simultaneously, it poses a high risk. Therefore, the development process is divided into two phases:*

### Phase 1:

Upgrade the website to Drupal 10, while ensuring that the existing system functionalities are maintained.

### Phase 2:

Develop new features: Multi-language support, and improve the website's UI/UX.

# PROJECT OVERVIEW

## Achievements

### DEVELOPMENT:

- Defined the approach during the pre-project investigation phase
- Accurately assessed the issue list during the pre-project investigation phase

### UAT ENVIRONMENT DEPLOYMENT:

- Ensured the system operated smoothly when migrating to the new environment
- No impact on the Database during the environment migration

### UAT BUGS:

- The entire project had fewer than 10 UAT bugs

### COMMUNICATION, INTERACTION, AND REPORTING:

- The project proactively provided suggestions, proposals, and hypothetical solutions while waiting for client feedback
- Quickly adapted to the working style with the new global client

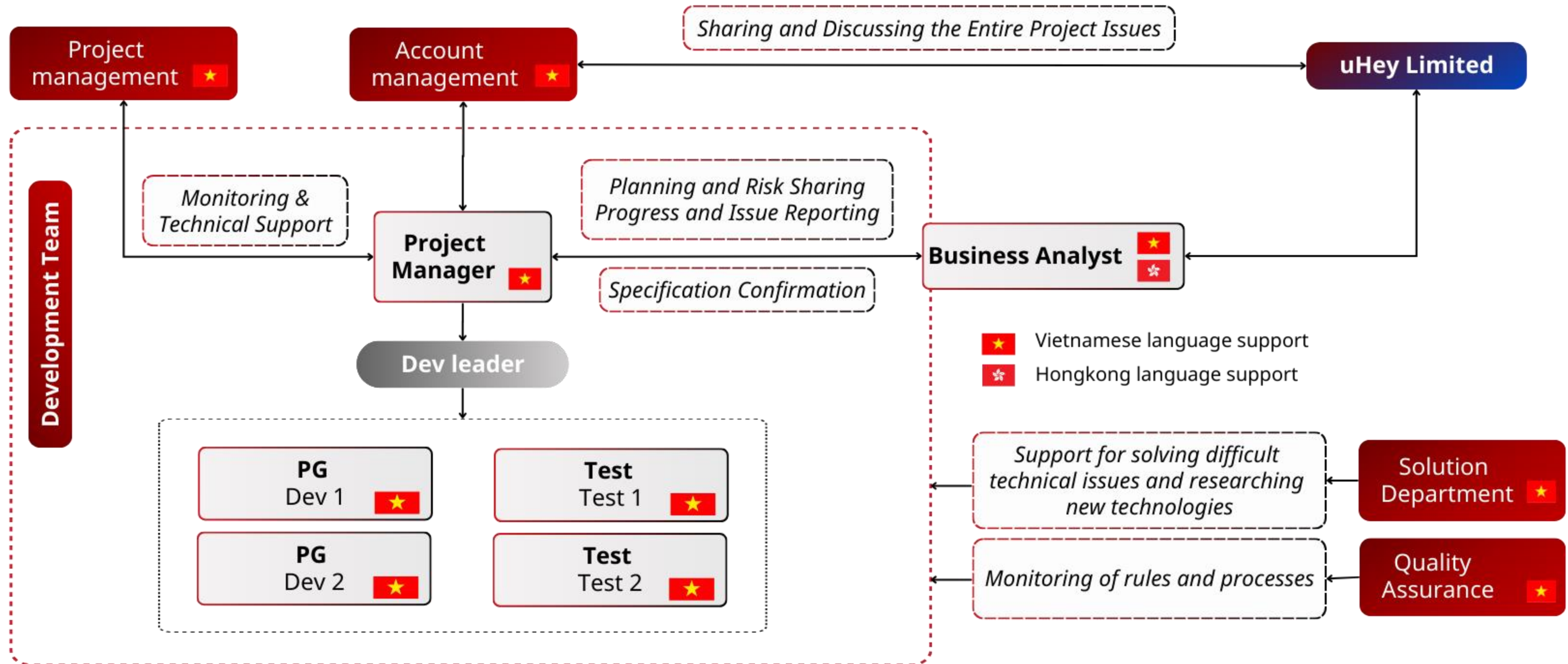
## What makes Drupal 10 significantly better than Drupal 8?

Feature	Drupal 8	Drupal 10
PHP Version Support	PHP 7.x	PHP 8.1+ (new features, improved performance)
User Interface	Seven theme (older, basic UI)	Olivero theme (modern, improved UX)
Text Editor	CKEditor 4 (limited features)	CKEditor 5 (modern interface, enhanced features, and support for advanced editing tools.)
Media Management	Basic media handling	More powerful Media Library, allowing users to manage and reuse media assets easily.
Framework	Symfony 3	Symfony 6 (better performance, security enhancements, and new features from Symfony)
Security Updates	Standard security patches	Provide better data protection and system security than Drupal
Long-Term Support	Ended in November 2021	Supported with ongoing updates

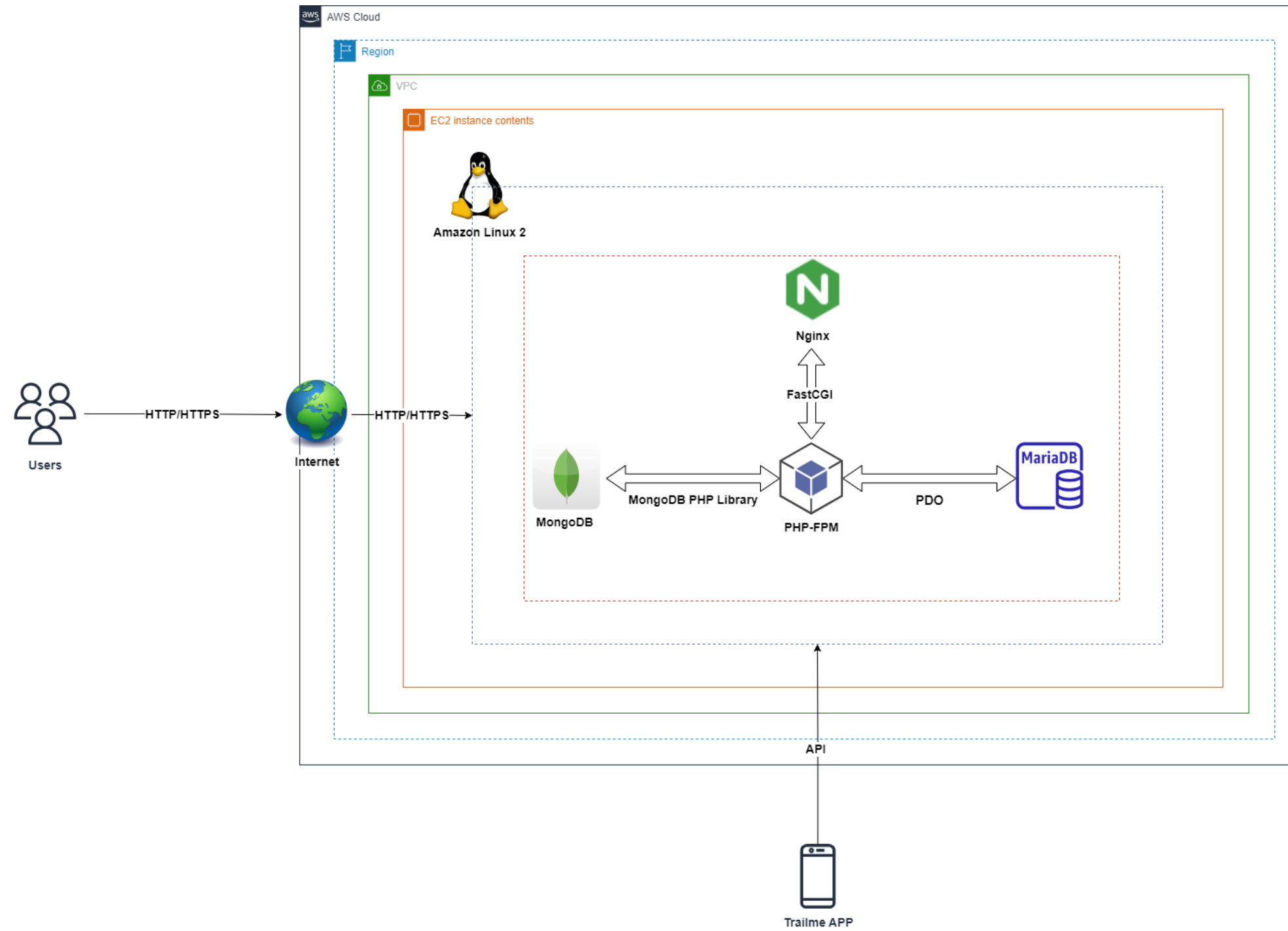
# IMPLEMENTATION- PHASES

Project	What we do	Output	Duration	Resource
Develop MVP (Oct 2023 - Jan 2024)	Migration plan design	<ul style="list-style-type: none"> <li>• Project development schedule</li> <li>• KHDA</li> </ul>	5 days	1 PM
	Implementation	<ul style="list-style-type: none"> <li>• Source code upgrade to Drupal 10.1.2</li> <li>• PHP upgrade to 8.1.6</li> <li>• Documentation for upgrade to Drupal 10.1.2</li> <li>• Layout remains unchanged</li> <li>• Functionality remains unchanged</li> </ul>	25 days	2 DEV
	Luvina Test	<ul style="list-style-type: none"> <li>• Testcase</li> <li>• Testing results</li> <li>• Bug list</li> </ul>	20 days	2 Tester
	Customer UAT	<ul style="list-style-type: none"> <li>• Bug list (if any)</li> <li>• Stable operation on STG and Prod environments</li> </ul>	15 days	
	Support	<ul style="list-style-type: none"> <li>• Handling any arising issues after the Prod environment</li> </ul>	28/01/2024	1 DEV

# IMPLEMENTATION - TEAM STRUCTURE



# TECHNICAL DETAILS - OVERVIEW




# TECHNICAL DETAILS - TECHSTACKS


Name	Description	Version	Licenses
<i>Drupal</i>	<i>CMS written in PHP</i>	<i>8.9.2</i>	
<i>MariaDB</i>	<i>SQL Database</i>	<i>5.5.5 – 10.3.27</i>	
<i>PHP</i>	<i>Language</i>	<i>7.4.14</i>	
<i>Nginx</i>	<i>Web Server</i>	<i>1.19.6</i>	


# Thank You

## CONTACT US



 <https://luvina.net/>

 [info@luvina.net](mailto:info@luvina.net)

 Tel: (84) (24) 3793 1103 (ext 0)  
Fax: (84) (24) 3793 1106

## OUR OFFICES

**Headquarter in Hanoi, Vietnam:** 4F, Hoa Binh Tower, 106 Hoang Quoc Viet Str., Nghia Do Ward, Hanoi City, Vietnam.

**Branch in Da Nang, Vietnam:** 18F, 2 Quang Trung Str., Hai Chau Ward, Da Nang City, Vietnam.

**Branch in HCM City, Vietnam:** 38/1 Nguyen Van Troi Str., Cau Kieu Ward, Ho Chi Minh City, Vietnam.

**Branch in Japan:** R612, Kanagawa Science Park (KSP), 3-2-1 Sakado, Takatsu-ku, Kawasaki-shi.

**Representative office:** 38N Almaden Blvd, Unit 125, San Jose, California 95110-2720, United States.

**Representative office:** 1464 E Whitestone Blvd, Cedar Park, TX 78613, United States.