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The Art of Software Development

A Car Services Solution Website

Key Information

Industry:
Commerce & Marketing

Project duration:
6 months

Team Size:
4 specialists

Technologies:
- Java, Spring Boot
- Hibernate
- Angular
- Amazon Web Services

Services:
- Analysis, architecture
- Software design
- UX/UI design
- Implementation
- Testing
- Deployment
- Project management

Highlights

- A comprehensive web platform offering a variety of essential car services, including **insurance**, **highway vignettes**, and **parking tickets**, all designed to enhance the travel experience of the users.

- Smooth integration of **multiple third-party APIs**, ensuring **real-time data synchronization** and efficient service delivery for end users.

- **Multilingual support**, with a seamless user experience in Romanian, Hungarian, English, and German, expanding accessibility to a broader customer base.

- Robust back-end administration section that allows for **detailed transaction tracking**, **data export for accounting**, and secure user management.

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Product Overview

This project involved the development of a software system having a **responsive web interface** (optimized for both desktop/laptop and mobile devices) where users can purchase various car-related services needed for traveling, such as car insurance, highway vignettes, parking tickets, etc.

Additionally, the platform offers **prepay phone charging** for Romanian phones. The solution was designed to address the everyday needs of drivers with ease and convenience.

Requirements

The project required the implementation of prepay phone charging for Romanian phones and a highway vignette for Hungarian roads. The platform also had to **allow easy addition of new services** over time, as required by the owners. Secure payments could be made through credit or debit cards.

Another critical requirement was the creation of an Administration section, where authenticated users could view the status of transactions (both in progress and completed). The system also needed to allow transaction data to be exported for **integration with accounting applications**.

The responsive web interface had to support **content in multiple languages**, including Romanian, Hungarian, English, and German.

ROMÂNĂ | MAGYAR | DEUTSCH | ENGLISH |

Doresc factura

Tara
Romania

Judet

Localitate

Adresa

Pentru a putea vedea un rezumat al comenzi si suma de plata va rugam confirmati comanda
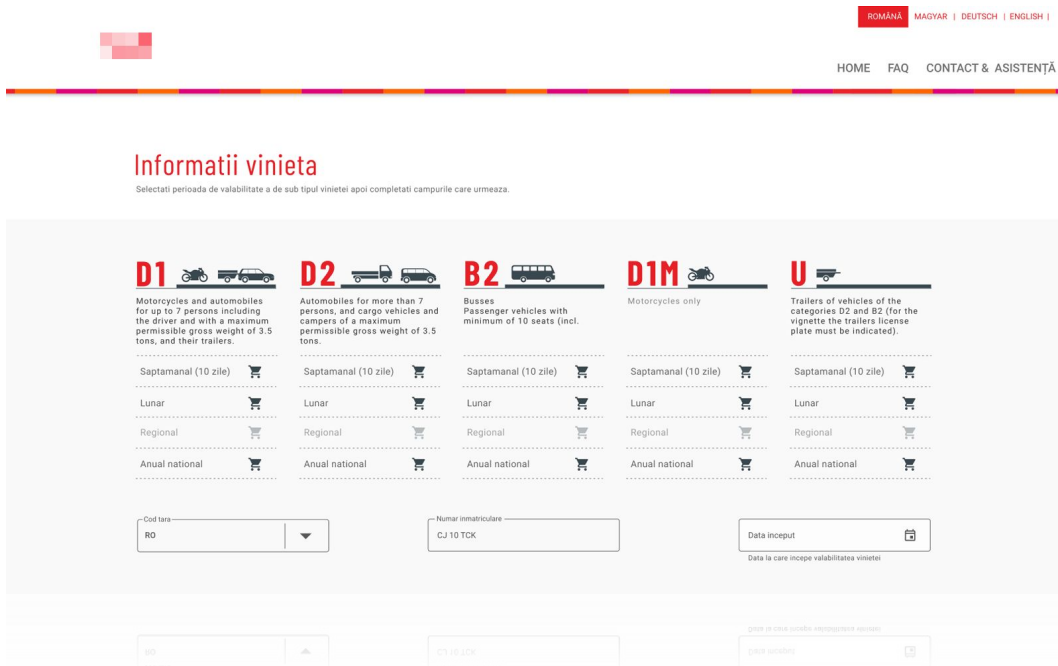
Sunt de acord cu Termenii si conditiile si Politica de Protectie a Datelor

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Challenges

The project faced several challenges, including the **integration** of various **third-party APIs**, each with its own specific requirements, which required **data conversion** and **response processing** to ensure smooth operation. Additionally, developing an **exportable data format** that was easily **compatible with various accounting applications** proved to be a complex task due to differences between the applications.

In addition to the technical challenges, the project had to **comply with strict regulatory requirements**, such as GDPR, accounting legislation, user preferences, and **data security**.

Provided Solution

The delivered solution was user-friendly, not only for customers purchasing services but also for the administration team managing and monitoring transactions.

The platform's interface was designed to be intuitive and accessible, while the back-end was optimized for **efficient**, swift **data management**, and **extensibility to integrate additional services** for the users.

Let's get in touch

ArtSoft Consult is a trusted partner in the IT industry, providing tailored solutions to address your unique business challenges.

With our proven expertise our team delivers innovative solutions and development services.

Drawing from years of experience and industry insights, we deeply understand this industry and we look forward to working with your business.

For more details on our services and team, please **contact us**.

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Str. Eugen Ionesco, nr. 1A
Cluj-Napoca, Romania, 400357

🌐 **www.artsoft-consult.ro**

✉️ **office@artsoft-consult.ro**

📞 **+40 0264 403 662**

  +40 0264 403 489