



HAUTE ÉCOLE

Development of a car rental management information system

Technical defense

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January 20, 2021

1 What

Before we proceed to describe how this car reservation system will be developed specifically for my client, let's first take a closer look at what's exactly the car rental booking software.

From its name, it's an innovative booking software designed for cars, motorcycles, boats, or trailer rental agencies. It's a secure platform that offers an easy and fast way to smoothly manage car rentals and website reservation systems that makes it an ideal booking software for any rental business.

Not only does car rental booking software provide him information regarding vehicle maintenance and service tracking one place, but also it will help him to manage billing and invoicing processes more seamlessly.

2 Problems

Car rental reservation software development is in demand among the startups and existing transport companies, which offer autos for rent and deal with multiple orders.

On the one hand, car rent is a comfortable option for those, who

- Want a certain level of mobility and comfort while traveling,
- Needs a car for a certain period, but does not have the desire or opportunity to buy it.
- A lot paper-based work.

On the other hand, if you work with people, you know how changeable their plans may be.

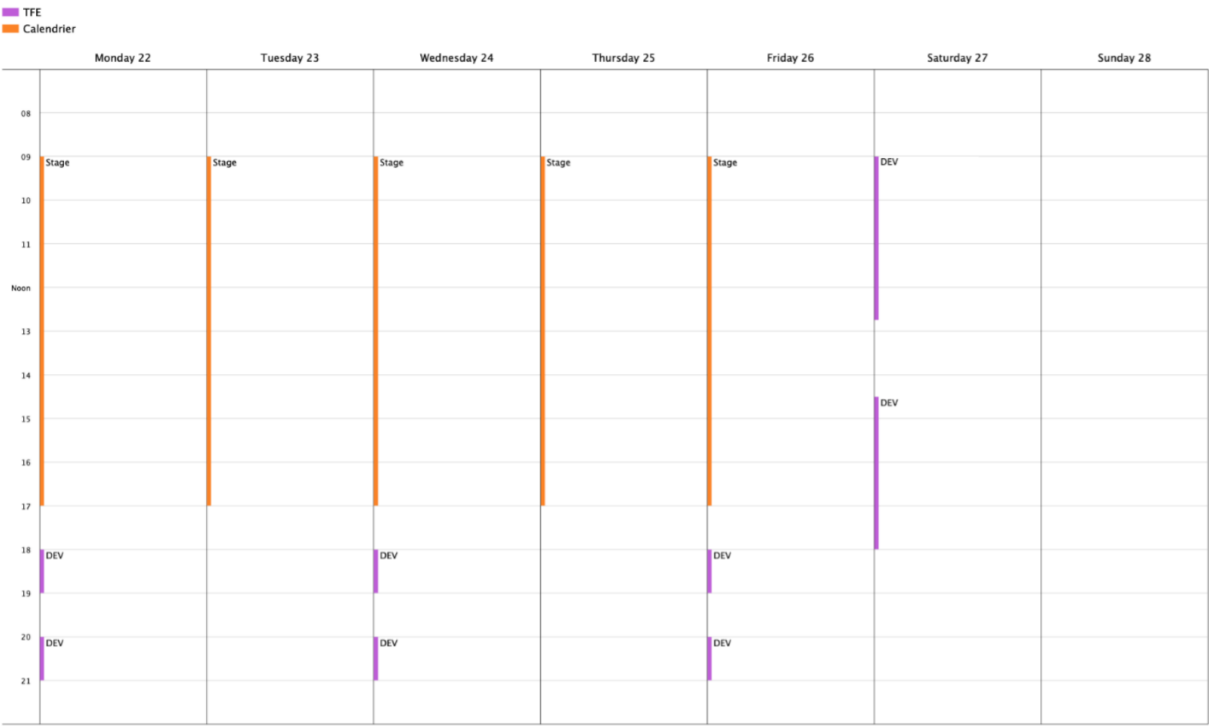
3 Benefits

- Customer' self-service,
- 24/7 accepting online reservations and payments,
- Removing the paper-based processes,
- Avoiding risks of overbooking and the factor of human error,
- Automatic resource management,
- Cuts down on administration processes to improve business efficiency,
- Making data-driven decisions based on detailed statistics
- Offers multiple suppliers within one platform to save users' time and resources.

4 Methodology

Agile. I will be meeting (virtually or in person) the client every 2 weeks to discuss my progress and to assess his input.

5 Planning



6 Progress

- Contact the client on the technical user stories
- E-R diagram
- Relational diagram
- Use case diagram
- Class diagram
- Git repository
- implement the client's user stories in details
- Backend and frontend setup
- Deployment setup