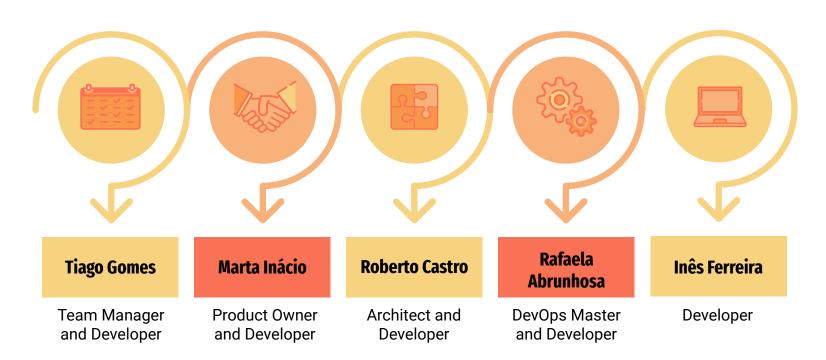
# Travelling Booking

Group 14 - 2023/2024



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# **Team and Roles**



# **Roles**

Team Manager

Responsible for task distribution and orienting the team in the right direction.

Product Owner

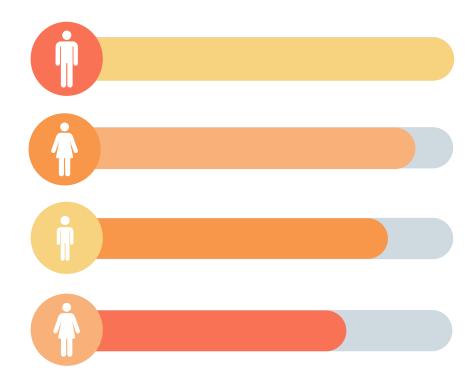
Represents the main interests of the stakeholders and clarifies the project features/requirements.

Architecture

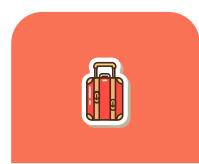
Defined the expected behaviour of software components and deep understanding of the proposed architecture.

DevOps Master

Responsible for the infrastructure and its configuration. Configures development frameworks, prepares deployment environments, and oversees database operations.



# **Product Concept**



1

Travelling Booking is a web based application with a personal page.



2

Travelling Booking facilitate travel booking.



3

Travelling Booking notify the costumer in case of changes.

# **Objectives**



### **FACILITY, LESS CONFUSING**

Prevent a customer from having to wander around several websites to book a full trip



### **COMFORT**

Offers customers the comfort of having access to what's on offer on several sites in a single place.



### **UPDATE**

Customers are notified in real time if there are promotions on flight and hotel prices or if a booked flight is cancelled.



## **Personas and motivations**







1

2

3

### **Pedro Costa**

Book a flight, hotel and activities in the travel area without having to make payments on different platforms.

### **Roberto Mourinho**

Due to business travel, the customer must be notified immediately when there is a change to the planned trip so that they can reschedule the journey quickly.

### **Marta Pires**

Gain autonomy in booking trips without having to contact an agency and where she can compare the best prices and options for her trips and stays.

# **User stories**

### 1. Book a trip with transport, accommodation and activities

As Pedro, I want to book a whole trip and check my bookings.

I create an account by entering my details, go to the flights page to find what I want and regist the luggage options I want. Then search for hotels and choose what I want. For activities, I select the location and see the timetables and prices. The bookings are now visible in my personal area.

### 2. Book a journey on specific transport

As Marta, I want to book a train travel in Portugal.

I go to the trains section on the platform and enter the place of departure and destination, the day and choose one of the available timetables. Then complete the booking and check it in my personal area.

### 3. Receiving notifications

As Roberto, I want to receive a notification when one of my flights is canceled.

On the platform, I'm notified when the status of one of my booked flights changes to cancelled or postponed.

### 4. See information about local attractions

As Marta, I want to find out which local attractions visit to report them in my magazine.

I go to the section on local attractions on the platform and enter my destination. When I see the results, I select each attraction I want and obtain more information about them, such as prices and opening times.

### 5. Compare hotel prices

As Marta, I want to see which hotel has the best quality at the lowest possible price.

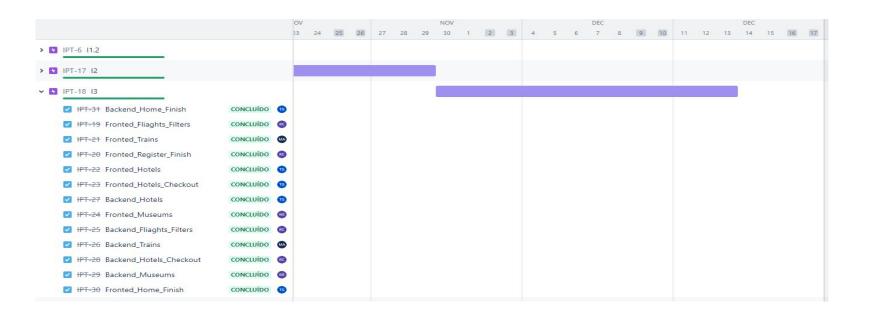
I can go to the hotel reservation, enter the place of stay and select the filter by price or wait for a notification about the promotions.

# **Project Management**

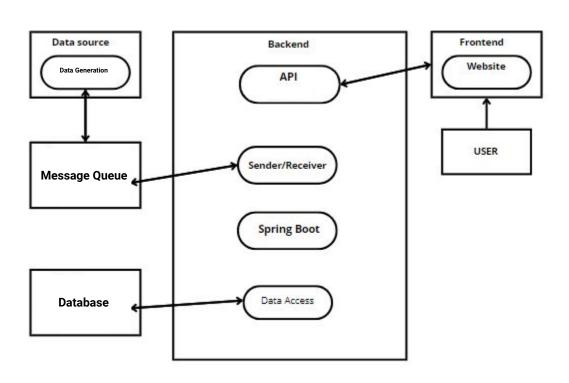
# Team Manager

For the task distribution and management, the Team Manager used the Jira platform.



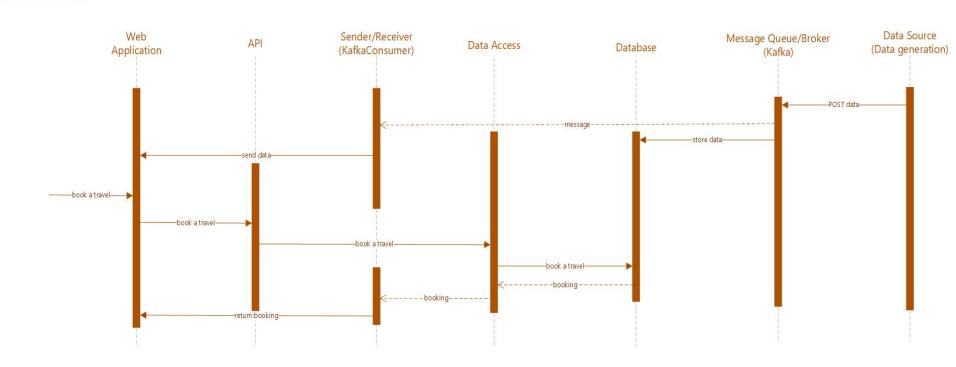


# **Architecture**

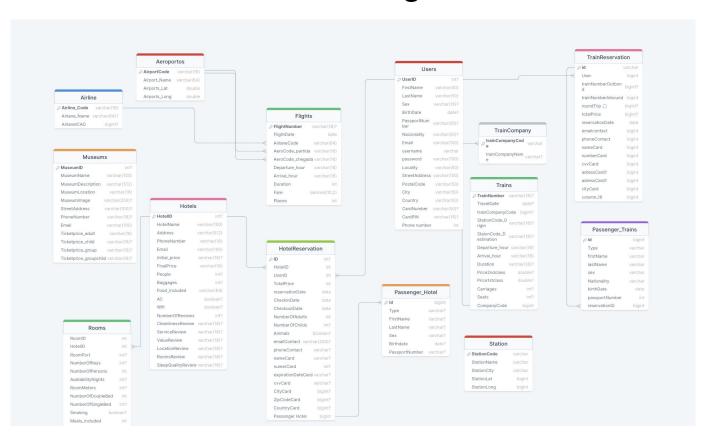


# **Modules Interaction**

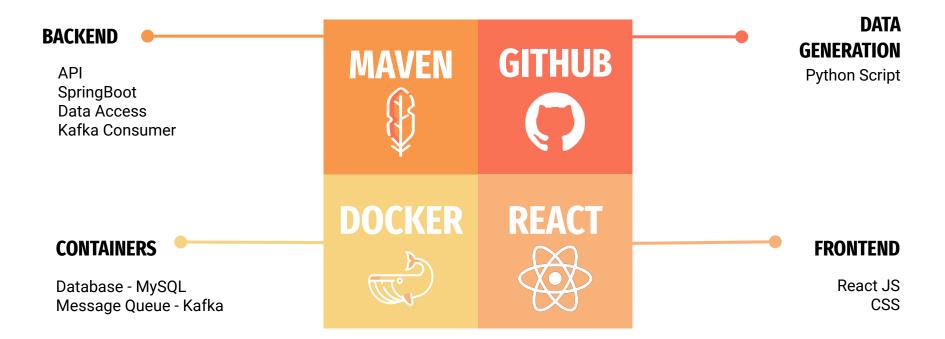
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# **Database Diagram**



# **Architecture and DevOps**



# Some technologies

### **DOCKER**

The Docker was used to create containers to run mainly SQL and Kafka.

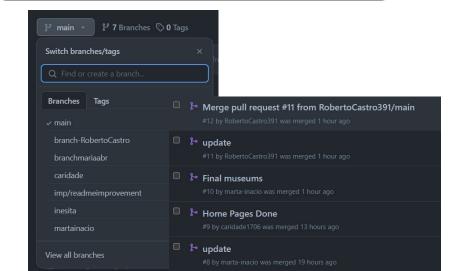
Consistency in Development Environment

Isolation and Portability

Ease of Deployment

### **GITHUB**

Github was used as a code repository to merge all the work done by the different members of the group. Branches were initially created, one for each element, and then pull requests began to be used.



# **DEMO**

