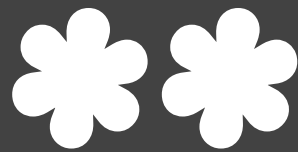# La Brasserie **

Unlocking infinite possibilities

The Team

Rose Gekonge

Hibrahim Onyango

Fatoumata Sarr

Project Description:

La Brasserie is a five-star hotel in Dakar that epitomizes luxury and sophistication. The hotel offers exquisitely designed rooms and suites with modern amenities and stunning views. Guests can indulge in gourmet dining at world-class restaurants, relax at the luxurious spa, stay active in the fitness center, and enjoy both indoor and outdoor pools. The hotel provides exceptional personalized services, a dedicated concierge, and state-of-the-art conference facilities for business travelers. Located in the vibrant heart of the city, the hotel is perfect for exploring cultural landmarks and premier shopping districts. Committed to sustainability, the hotel implements eco-friendly practices to protect the environment. **La Brasserie** also features elegant event spaces, making it ideal for weddings and special occasions, ensuring every stay is memorable.

Learning Objectives

- **Understanding Full-Stack Development**.
- **Front-End Development Skills** (Gain proficiency in HTML, CSS, and JavaScript)
- **Back-End Development Skills** (Node.js with Express or Flask, RESTful APIs)
- **Database Management**
- **Authentication and Authorization** (Manage user sessions and access control for different user roles (e.g., guests, staff, administrators))
- **Deployment and Hosting**:
- **Performance Optimization**
- **Security Best Practices**
- **API Integration**
- **Project Management and Collaboration** (using GitHub)
- **Testing and Quality Assurance**
- **User Feedback and Iterative Improvement**
- **Ethical Considerations and Accessibility**

The Technology :

➔ Front-End Technologies - HTML5, CSS3 & JavaScript
➔ Back-End Technologies - Node.js(Express.js) & Flask
➔ Databases - SQL Databases(MySQL)
➔ Deployment and Hosting - GitHub Pages
➔ DevOps and CI/CD - Git or GitHub

The problem

★ Communication barrier among the team members since Sarr is from senegal and the rest are from Kenya.
★ Uncertainty of how sufficient our knowledge is on the various technologies needed.
★ Difference in opinions on various methods and how to handle them to solve respective tasks.
★ Time difference over the different countries.

<u>Functionality</u>

The luxurious hotel web/app provides an elegant and user-friendly platform for guests to explore and book accommodations, dining experiences, and spa services. Users can browse through beautifully designed rooms and suites, view availability, and make reservations with ease. The app also features detailed information about the hotel's amenities, including fitness centers, pools, and event spaces. Guests can manage their bookings, access personalized concierge services, and receive real-time updates on hotel events and offers. Additionally, the app integrates third-party services for seamless payment processing, interactive maps, and local attraction recommendations, ensuring a comprehensive and luxurious experience.

Project Features :

➔ Account creation
➔ Customer cart
➔ Various hotel branches
➔ Booking rooms
➔ Reservations for parties and functions
➔ Event planning and hosting
➔ Advertise holiday offers and discounts
➔ Cuisines
➔ Outdoor catering packages
➔ Food delivery
➔ Swimming and spa
➔ Fitness Centre

WORK PLAN

by kanban Board

[SCHEDULE OF THE WORK]

KanbanFlow

ALX Web portfolio RG HO FA? 3 +

To-do

Establish a strong foundation of our Knowledge on all technologies we are meant to use for the project

HO RG FA?

Due: **Saturday 5:00 PM** (Done)

DOM of the project & Pseudocodes

HO RG FA?

Due: **12 August 9:00 PM** (Done)

Front End Establishment

FA?

This is all about the viewable part of the project and its impression.

Due: **17 August 10:00 PM** (Done)

Backend Establishment and Databases

HO RG

This is everything about the functionality and execution of the intended response and workflow. It is mostly about adding flesh to the skeleton.

Due: **17 August 12:00 PM** (Done)

☐ Framework & Server
Due: Aug 14 at 11:00 PM

☐ Database
Due: Aug 17 at 11:00 PM

Debugging & Launching

HO RG FA?

Due: **19 August 5:00 PM** (Done)

Testing and Accessing

This will be done by random friends or family

Due: **20 August 5:00 PM** (Done)

Do today

Web Portfolio Pitch

HO RG FA?

Let's Plan!!!

Establish a strong foundation of our Knowledge on all technologies we are meant to use for the project

HO RG FA?

Due: **Saturday 5:00 PM** (Done)

In progress 1 / 3

Web portfolio Pitch

HO RG FA?

As mentioned in the beginning of this project, you have some questions to ask yourself:

- What do I want to build?
- How do I want to build it?

Done

The End

Happy building