TECHNICAL REPORT

Version 1.0

This application consists in a web platform that allows users to search through a list of local restaurants and commercial ones too.

Requirements

a. Restaurant and User registration

b. User restaurant search system

c. User comments and review system

d. Content management system

e. Reservation system

Business Model

The business model of this project it's focused on recognition and promotion through a web application.

We would like to connect two types of clients

Restaurants (Commercial Clients)

Natural Clients (Consumers)

main reason to create this web application it's the poor visibility of local restaurants, so the propositions fall on this purpose

User stories

(On work)

Entities

1. Restaurant

2. User

3. Review

4. Booking

5. Address

6. Menu

OOP PRINCIPLES ANALYSIS

a. Abstraction: This could improve a lot by looking at the classes as whole, in my opinion this is very regular, like other processes can be interpreted as a class

b. Polymorphism: We got 0 methods with polymorphism

c. Inheritance: Seeing how de User class work, I can make inheritance using this class as a "father class" making new ones like: UserManager, UserRestaurantOwner, etc.

d. Encapsulation: We got 0 of this, due to the lack of code

CRC CARDS

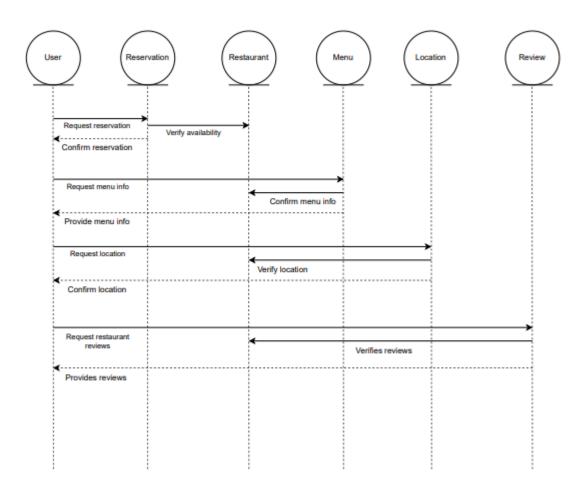| USER	
Request,provides and update user information, also keep user booking	Review Restarant Booking

REVIEW	
Provides the comments and rates done from the restaurant users to the restaurant that had selected	User Restaurant

RESTAURANT	
Provides restaurant information as location and bookings	Review Booking Address Menu User

BOOKING	
Keeps and provides the full information about the reservaion (date, table, owner) to the user and restaurant	User Restaurant

ADDRESS	
Manage the specific restaurant address details	Restaurant

MENU	
Manage the specific restaurant menu details	Restaurant

Activity Diagrams

Look into: https://github.com/Restaurant-Potal-AP-UD/Docs/blob/main/Diagrams/Activity_Diagram_pdf.pdf

Sequence Diagram

Class Diagram

Review
- comment: str
- rating: float
- user: User

+ showRating(): int

Address
- countryId : str
- stateName : str
- cityName : str
- lat : str
- lng : str
- location : str

+ show_location(): int

User
- name: str
- surname: str
- phoneNumber: int
- email: str
- password: str
- creationDate: datetime
- activeReservation: Boolean
- verified: Boolean
- isActive: Boolean
- restauran: Restaurant

+ setNewPass(str): None
+ showActiveReservations(): List<Booking>

Restaurant
- restaurantName: str
- owner: str
- bookings : List<Booking>

+ showRestName(): str
+ showRestUbic(): List
+ showBookings(): List<Booking>

Menu
- menu: str

+ loadMenu(): str

Booking
- totalPeople: int
- userOwner: User
- date : datetime
- tableId: int

+ showDate(): datetime
+ showTableId(): int | None
+ showOwner(): User