

# **Object-Oriented Programming**

Luisa Daniela Correa Torres - 20242020048

Juan Pablo Rodríguez - 20251020072

Bryan Martinez Carreño - 20242020257

## **Workshop No. 1 — Object-Oriented Design**

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# 1 Project Definition

## 1.1 Project Name

Prestige Eventos & Recepciones

## 1.2 Description

This project is an event reservation system where you can choose the day, theme, type of food and everything related to a big event.

## 1.3 Main Features

- Choose event theme
- Choose type of food and drinks
- Reserve place, date and number of guests
- User registration

# 2 Requirements

## 2.1 Functional Requirements

- User registration and authentication: Customers can create an account and log in to manage their reservations.
- Date calendar: The user can check availability on an interactive calendar.
- Event booking: The client selects the date, type of party, number of guests, and additional services.
- Modify: The user must be able to cancel or modify their reservation within two weeks.
- Support: The user should be able to communicate with us in the way that best suits them.

## 2.2 Non-Functional Requirements

- Simplicity: Simple, clear, and attractive interface for all types of users.
- Performance: Pages should load in less than 5 seconds.
- Scalability: Must be able to support multiple users and simultaneous reservations.
- Security: Protection of personal and payment data.

### 3 User Stories

- As a client, I want to be able to choose the best party for my needs.
- As a client, I want to be able to see the available dates on a calendar and find the one that suits me the best.
- As a customer, I want to be able to change or cancel my reservation.
- As a customer, I would like to be able to create an account to facilitate bookings.
- As a customer, I want to be able to contact the organizers in the easiest way possible.

### 4 CRC Cards

#### Class Responsibility Collaboration Cards

CLASS: VENUE	
RESPONSIBILITY	COLLABORATORS
<ul style="list-style-type: none"> <li>• SAVE PLACE INFORMATION</li> <li>• CHECK AVAILABLE DATES</li> <li>• VERIFY CAN HOLD NUMBER OF GUESTS</li> <li>• MANAGE RESERVATION CALENDAR</li> </ul>	<ul style="list-style-type: none"> <li>• RESERVATION</li> <li>• CALENDAR</li> </ul>

Venue Class

CLASS: USER	
RESPONSIBILITY	COLLABORATOR
<ul style="list-style-type: none"> <li>• MAKE USER ACCOUNTS</li> <li>• SAVE USER INFORMATION</li> <li>• USER PREFERENCES</li> </ul>	<ul style="list-style-type: none"> <li>• RESERVATION</li> <li>• PAYMENT</li> <li>• PROFILE</li> </ul>

User Class

CLASS: CALENDAR	
RESPONSIBILITY	COLLABORATOR
<ul style="list-style-type: none"> <li>• SHOW AVAILABLE DATES</li> <li>• BLOCK DATES NOT AVAILABLE</li> <li>• DATE SELECTION</li> </ul>	<ul style="list-style-type: none"> <li>• VENUE</li> <li>• RESERVATION</li> </ul>

Calendar Class

CLASS: PAYMENT	
RESPONSIBILITY	COLLABORATOR
<ul style="list-style-type: none"> <li>• PROCESS PAYMENT</li> <li>• PAYMENT METHODS</li> <li>• PAYMENT RECEIPT</li> <li>• REFUNDS AND CANCEL</li> <li>• CONFIRM PAYMENT</li> </ul>	<ul style="list-style-type: none"> <li>• RESERVATION</li> <li>• USER</li> </ul>

Payment Class

CLASS: SERVICE	
RESPONSIBILITY	COLLABORATOR
<ul style="list-style-type: none"> <li>• MANAGE LIST OF SERVICES</li> <li>• SAVE SERVICES PRICE AND DESCRIPTIONS</li> <li>• CHECK IF SERVICE IS AVAILABLE ON DATE</li> <li>• CALCULATE SERVICE COST</li> </ul>	<ul style="list-style-type: none"> <li>• RESERVATION</li> </ul>

Service Class

CLASS: RESERVATION	
RESPONSIBILITY	COLLABORATOR
<ul style="list-style-type: none"> <li>• CREATE NEW RESERVATION</li> <li>• CALCULATE TOTAL PRICE</li> <li>• CHANGE RESERVATION STATUS</li> <li>• MANAGE DATES</li> </ul>	<ul style="list-style-type: none"> <li>• USER</li> <li>• VENUE</li> <li>• SERVICE</li> <li>• PAYMENT</li> </ul>

Reservation Class

## 5 Mockups

### User Interface Designs

inicio reservar contacto 

# Bienvenidos a Prestige



comidas

Todo tipo de comidas más elegantes o más tranquilas para que encajen en cualquier tipo de evento



planes todo incluido

Todo lo necesario para tus fiestas para que la pases maravilloso en un día tan especial



alquiler de eventos

Si planeas tu evento pero necesitas de colaboración siempre puedes contar con nosotros para el alquiler de mesas, sillas, salones, etc.



## Tematica



bodas

Las mejores bodas las organizamos nosotros te brindaremos todo lo necesario para la mejor boda



fiestas de 15

Brindaremos el salón la comida y todo lo necesario para que tus 15 sean inolvidables



fiesta de graduación

Tematicas únicas para alocarse y vivir la mejor noche de sus vidas con nosotros



despedidas de solteros

Con nosotros le dirás adiós a la soltería de la mejor forma y sin remordimientos



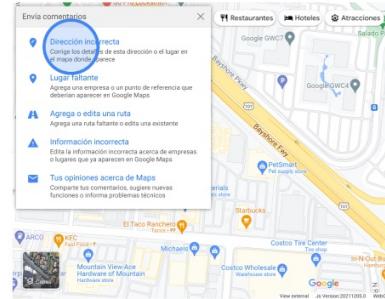
fiestas temáticas

Una fiesta única de la temática que más te guste con los mejores en esto



fiesta infantiles

para darle a tu hijo un recuerdo inolvidable y a los invitados una de las mejores fiestas que hayan estado



## Cotización

