



B. M. S College Of Engineering, Bangalore

Department of Computer Applications

“Varma's Grace”

-A Web Application for a Youtube channel

COURSE NAME : MAJOR PROJECT

COURSE CODE : 22MCA4PWMP

INTERNAL GUIDE:
DR. D N SUJATHA
PROFESSOR

PRESENTED BY:
C. SREE POOJITHA VARMA
1BM22MC006

Contents

- ▶ Introduction
- ▶ Software Requirements Specifications
- ▶ Project Plan
- ▶ Analysis
- ▶ Design
- ▶ Implementation
- ▶ Testing
- ▶ Conclusion
- ▶ Future Enhancements
- ▶ Bibliography

Introduction

Objective

- ▶ Interactive web application
- ▶ Comprehensive platform for culinary enthusiasts.

Motivation

- ▶ Empower your culinary journey
- ▶ Where inspiration meets innovation
- ▶ Making cooking a delightful and interactive experience for everyone.

Introduction

Problem Statement

- ▶ Shift in Consumer Behaviour
- ▶ Decline of Traditional Cooking Shows
- ▶ Need for Interactive Content
- ▶ Rise of Online Cooking Channels.

Introduction

Existing System

- ▶ Fragmented
- ▶ Lack interactivity
- ▶ Challenging for users to find content.

Proposed System

- ▶ Seamless
- ▶ Interactive
- ▶ Personalized cooking experience
- ▶ Integrating comprehensive recipe libraries
- ▶ Live Workshops.

Software Requirement Specifications

Functional Requirements

Admin Functional Requirements

1. User Management
2. Content Management
3. Workshop Management
4. Video Management

User Functional Requirements

1. Profile Management
2. Workshop Registration
3. Private Chef Booking
4. Content Access

Software Requirement Specifications

Non-functional Requirements

1. Performance Requirements
2. Security Requirements
3. Usability Requirements
4. Reliability Requirements
5. Maintainability Requirements

Project Plan

Team Work Details

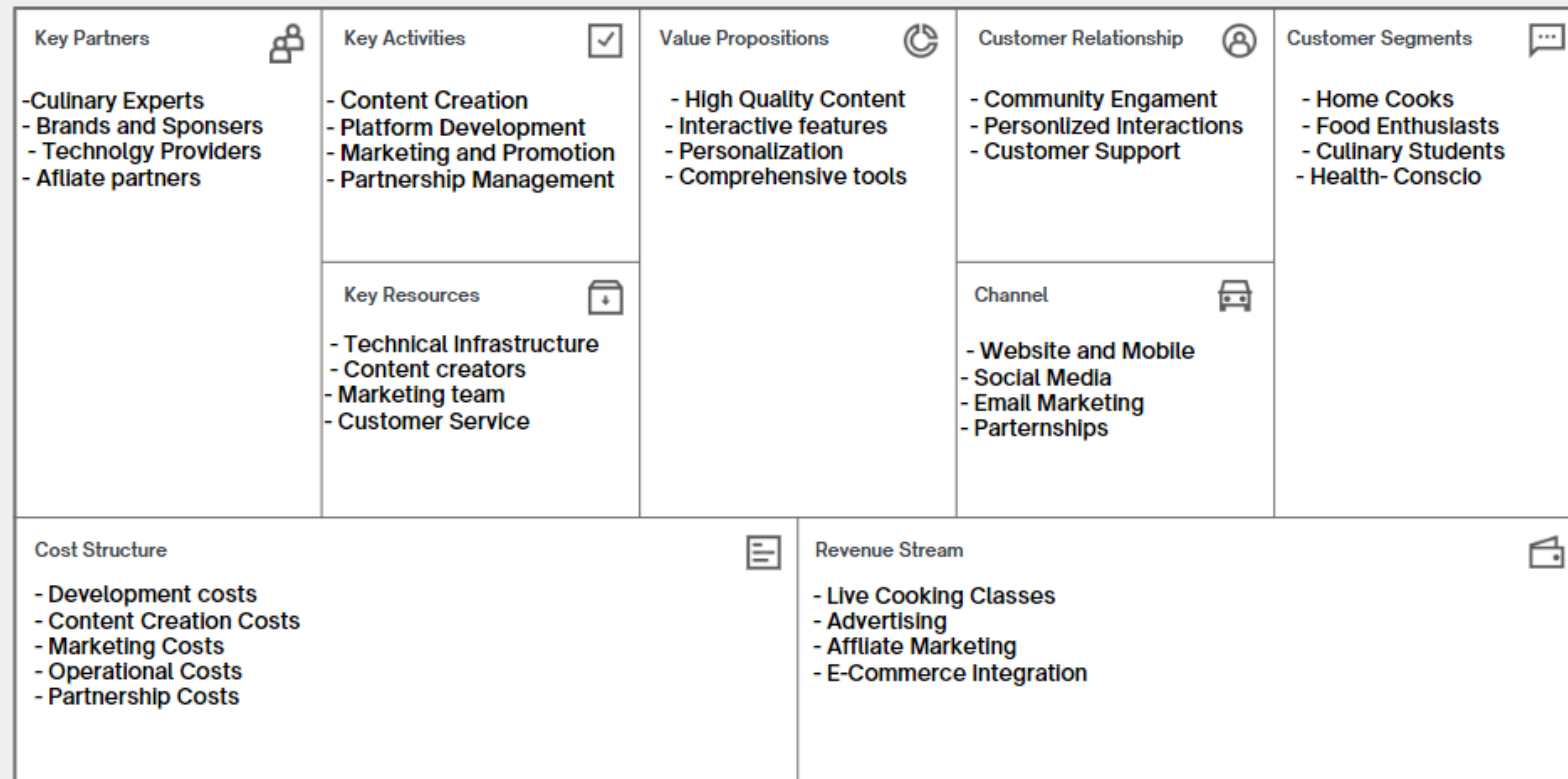
- ▶ Poojitha [Developer]
- ▶ D N Sujatha Mam [Mentor]

Work Breakdown Structure

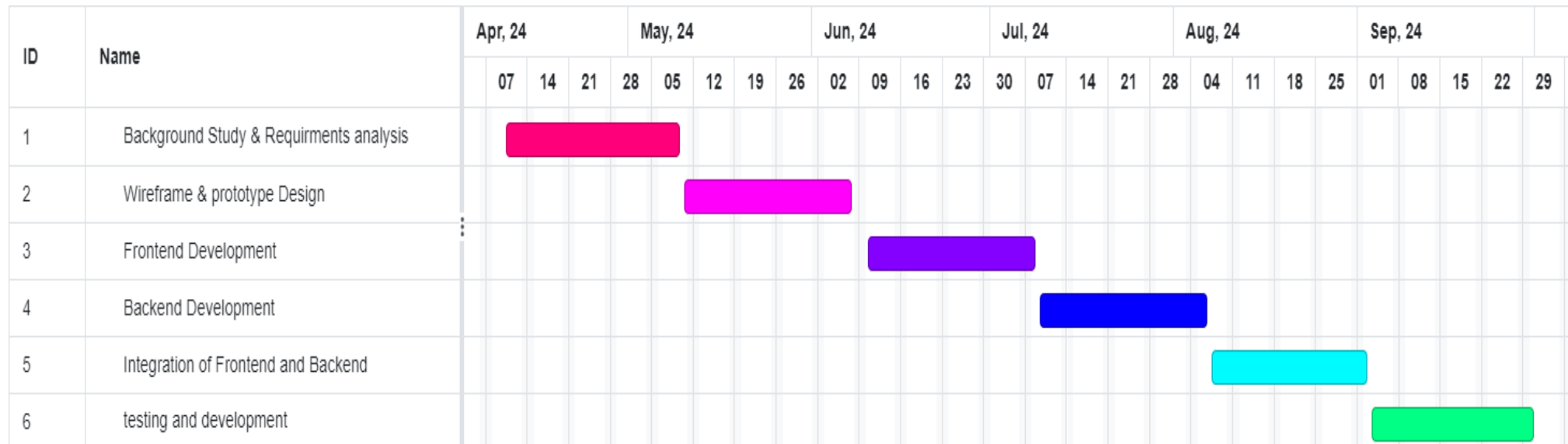
- ▶ Project Management
- ▶ Backend Development
- ▶ Frontend Integration
- ▶ Real-time Features

Business Model

Business Model Canvas



Gantt chart



Powered by: onlinegantt.com

Impact

Impact on society

- ▶ Education and Skill Development
- ▶ Community Building
- ▶ Employment Opportunities
- ▶ Convenience and Accessibility

Impact on Environment

- ▶ Reduction in Food Waste
- ▶ Sustainable Cooking Practices
- ▶ Digital Transition
- ▶ Awareness and Advocacy

Analysis

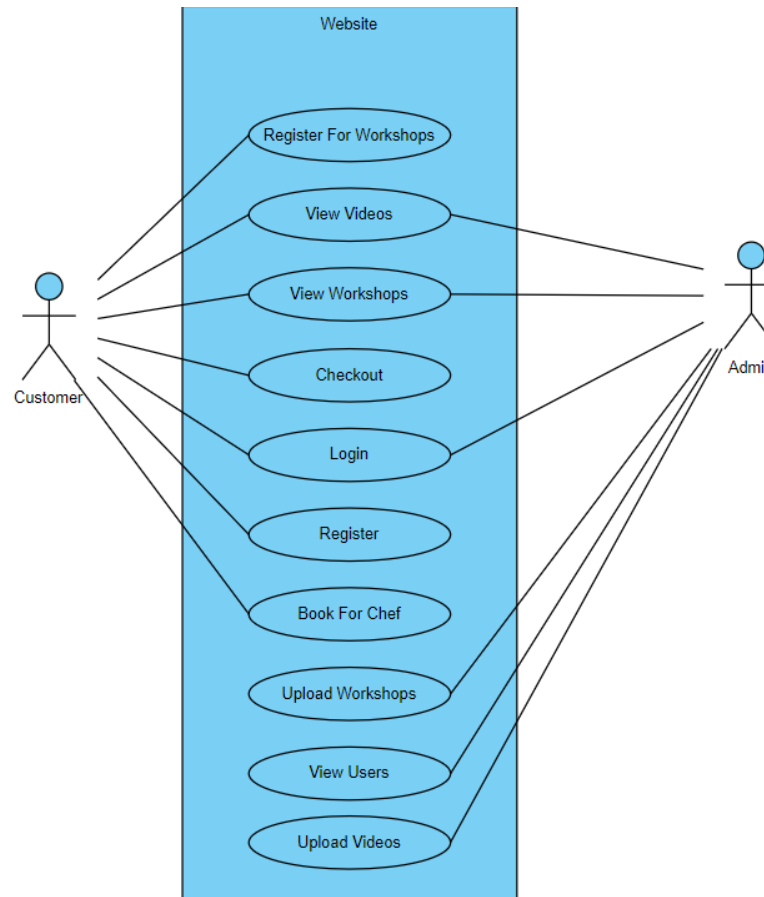
Architecture Analysis

- ▶ Frontend
- ▶ Backend
- ▶ Authorization and authentication
- ▶ Performance
- ▶ Testing and Deployment

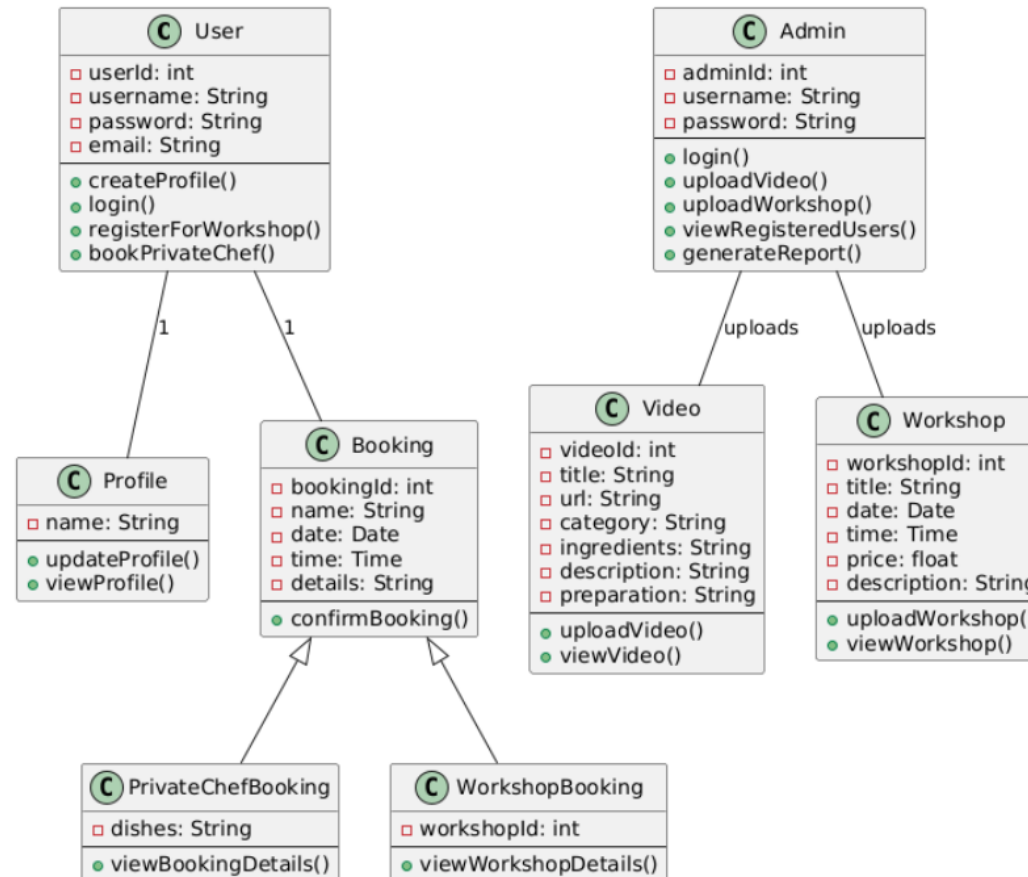
Feasibility Analysis

- ▶ Technical Feasibility
- ▶ Financial Feasibility
- ▶ Operational Feasibility
- ▶ Market Feasibility
- ▶ Timeline Feasibility

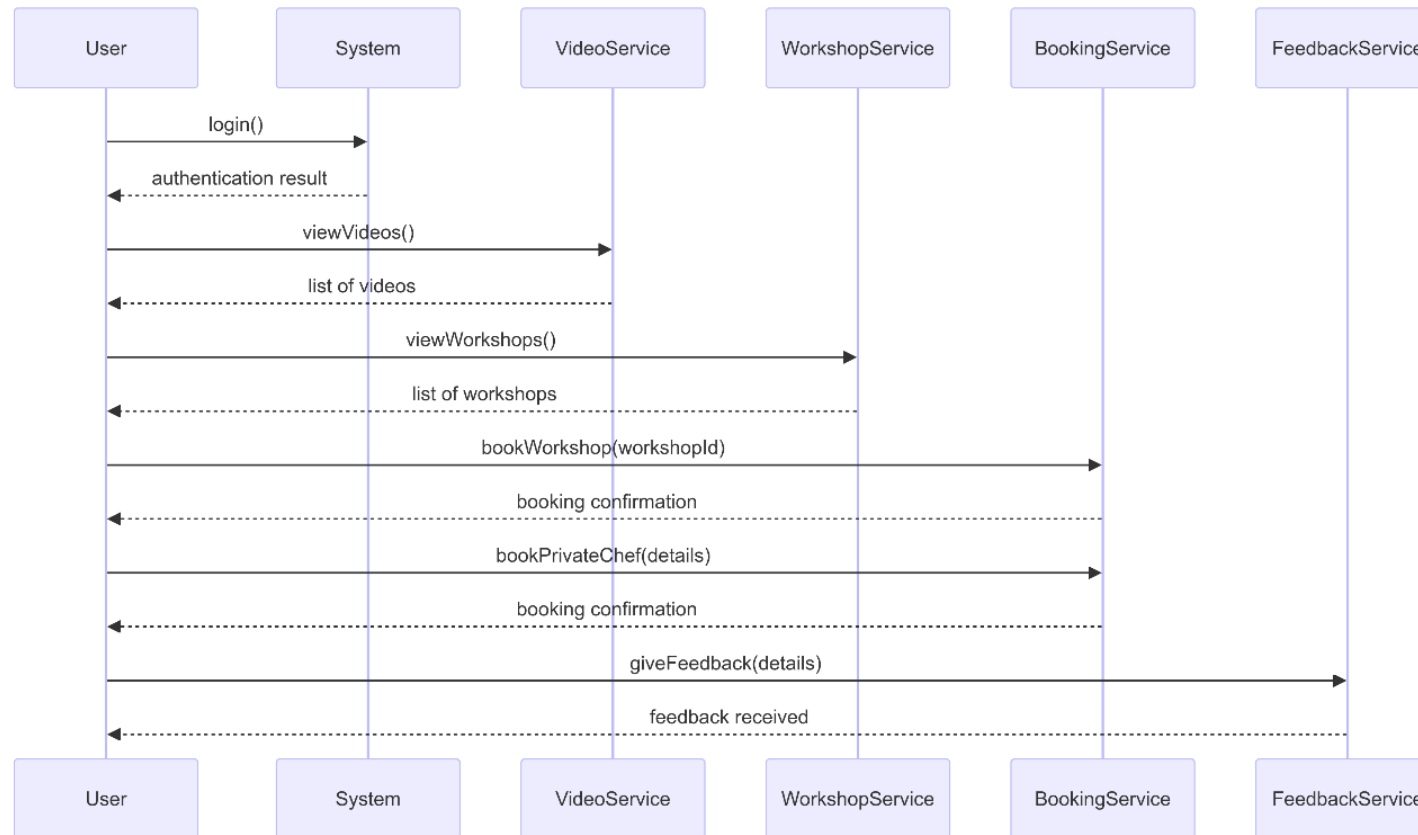
Design Use Case Diagram of Varma's Grace



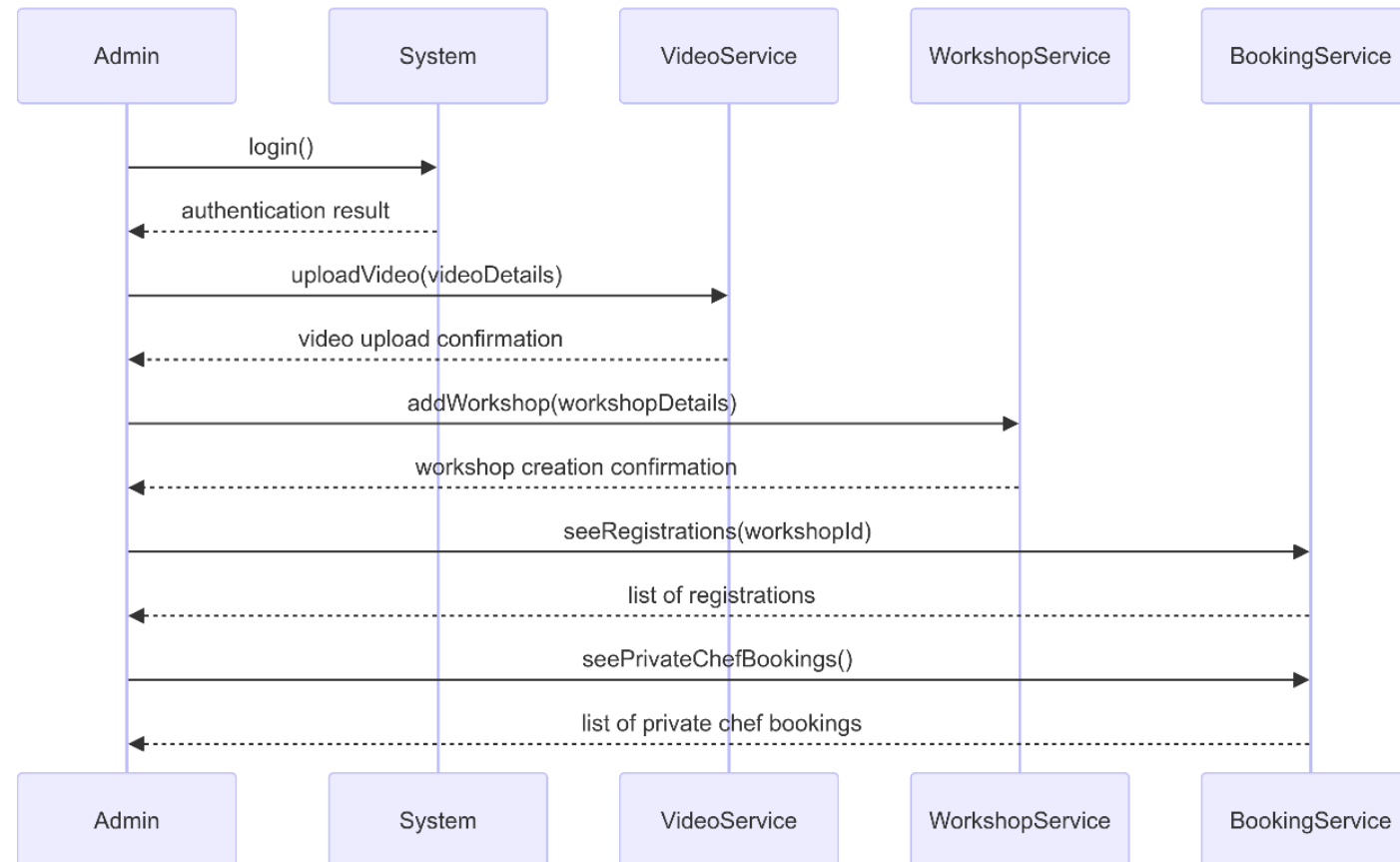
Class Diagram of Varma's Grace



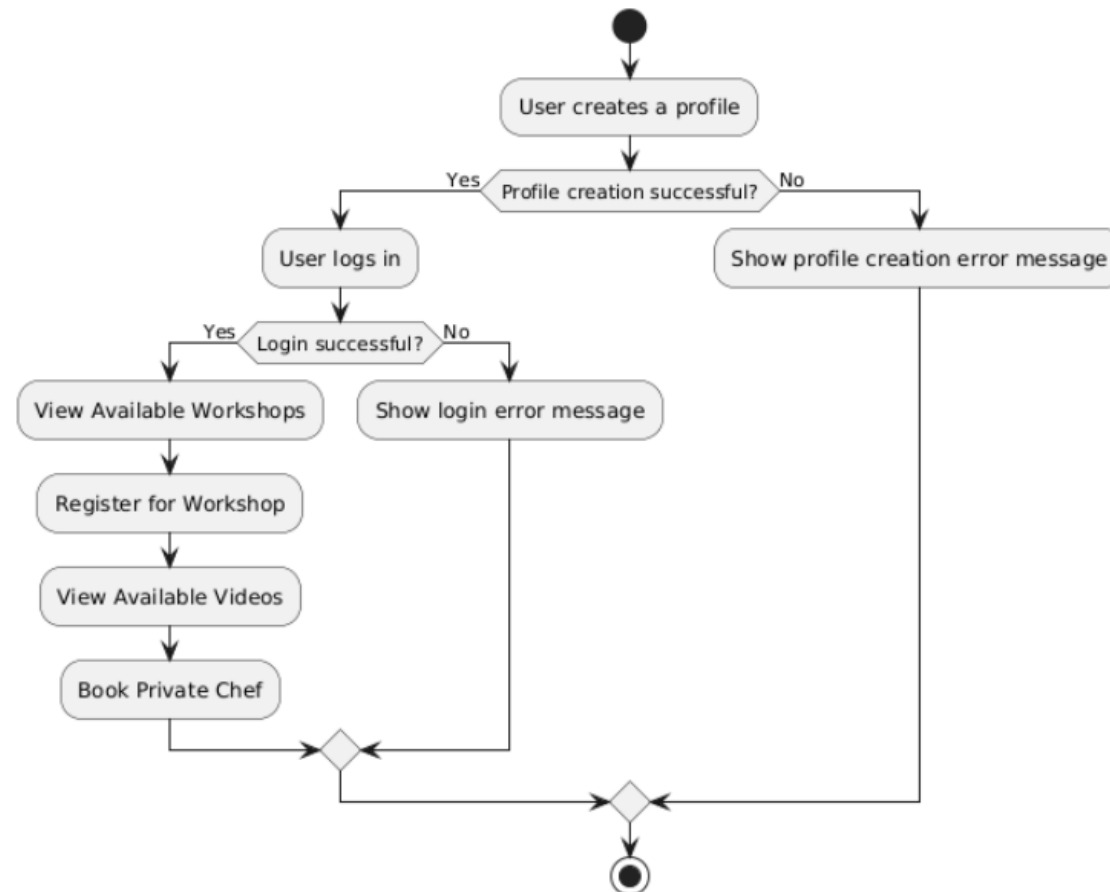
Sequence diagram for user



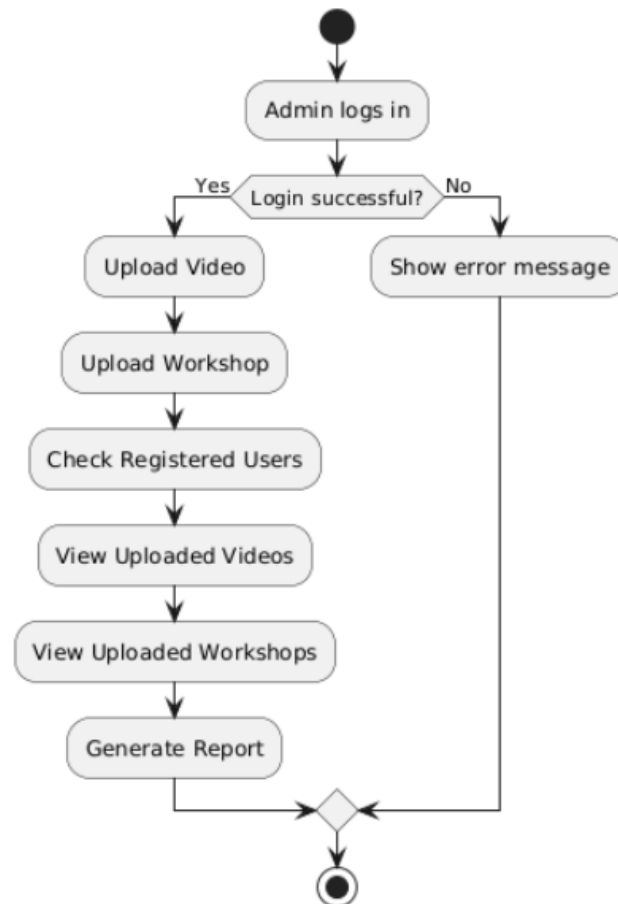
Sequence Diagram for admin



Activity Diagram for user



Activity Diagram for admin



Implementation

Technology Used

Frontend

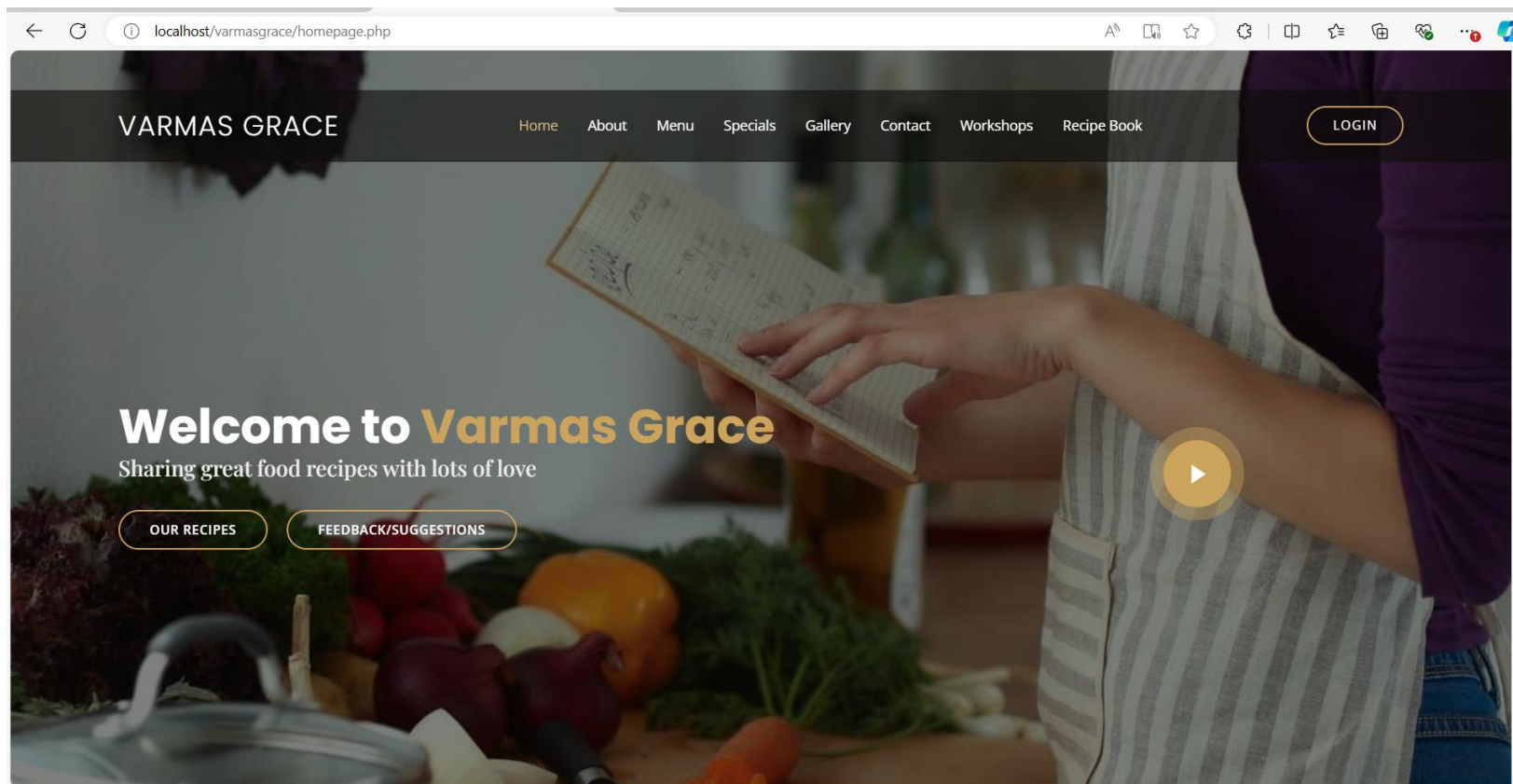
- ▶ HTML5
- ▶ CSS3
- ▶ Bootstrap v5.3

Backend

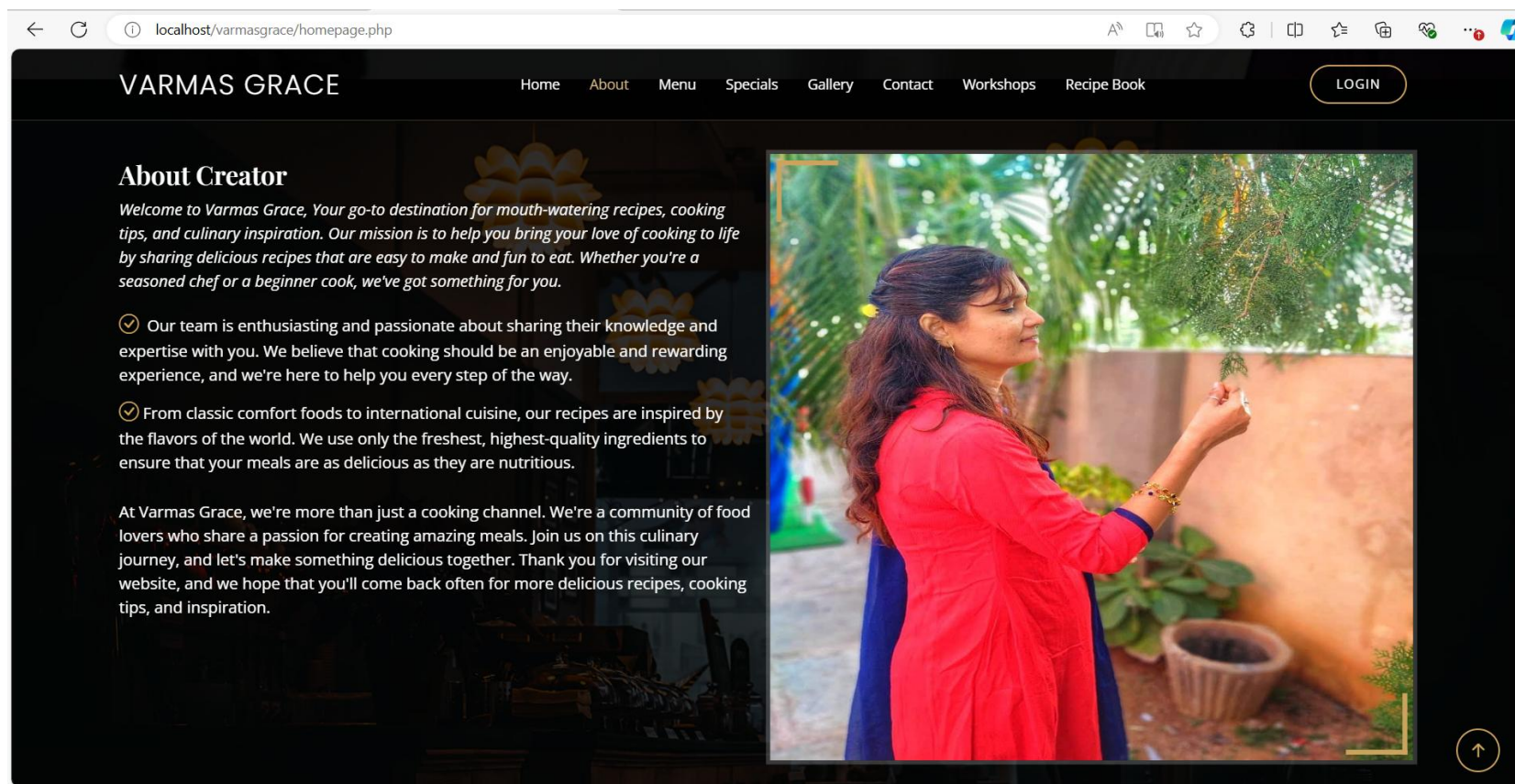
- ▶ MySQL 8.4
- ▶ phpMyAdmin 5.2
- ▶ WAMP Server 3.3

Screen Shots Home Page

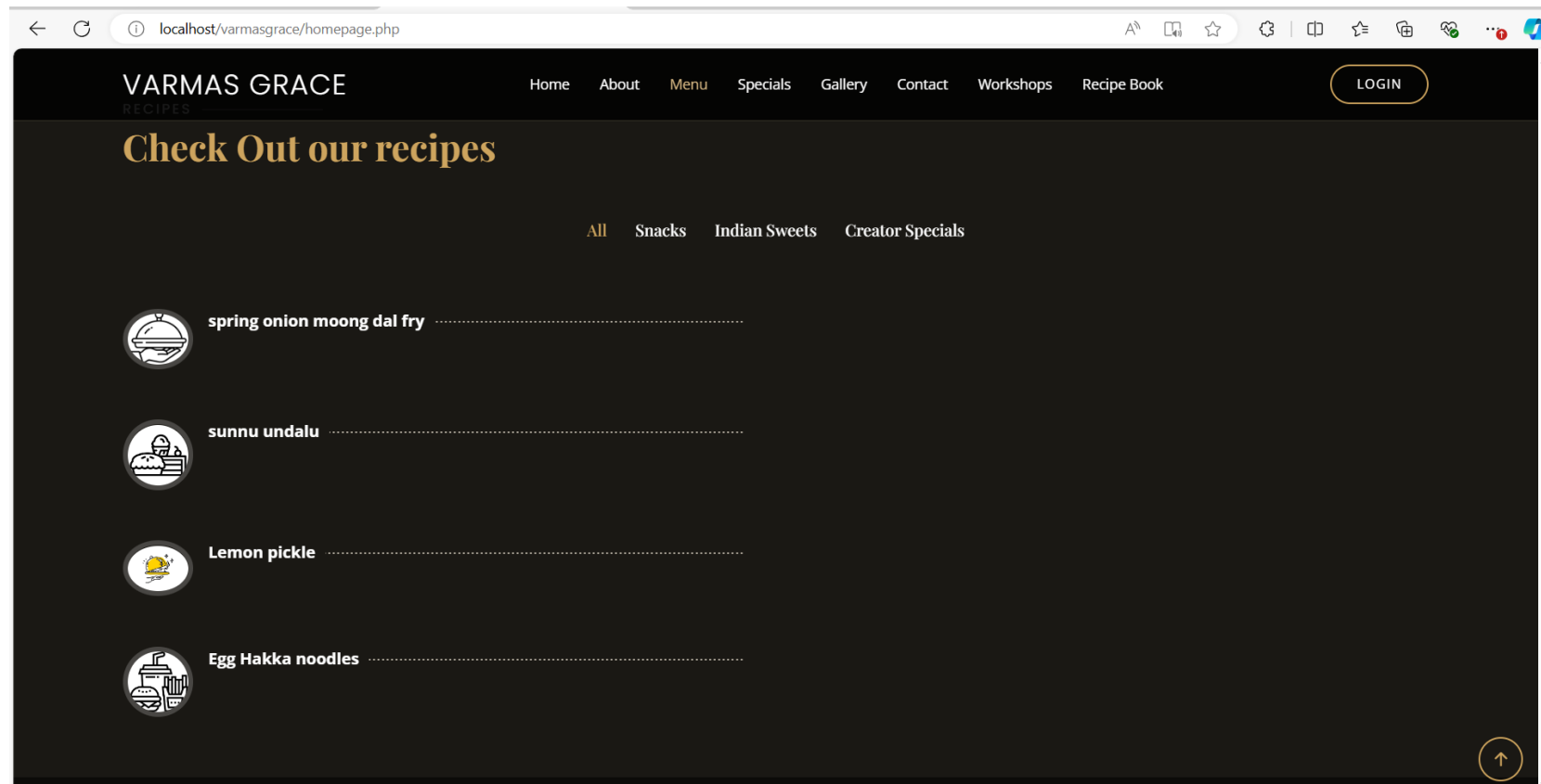
20



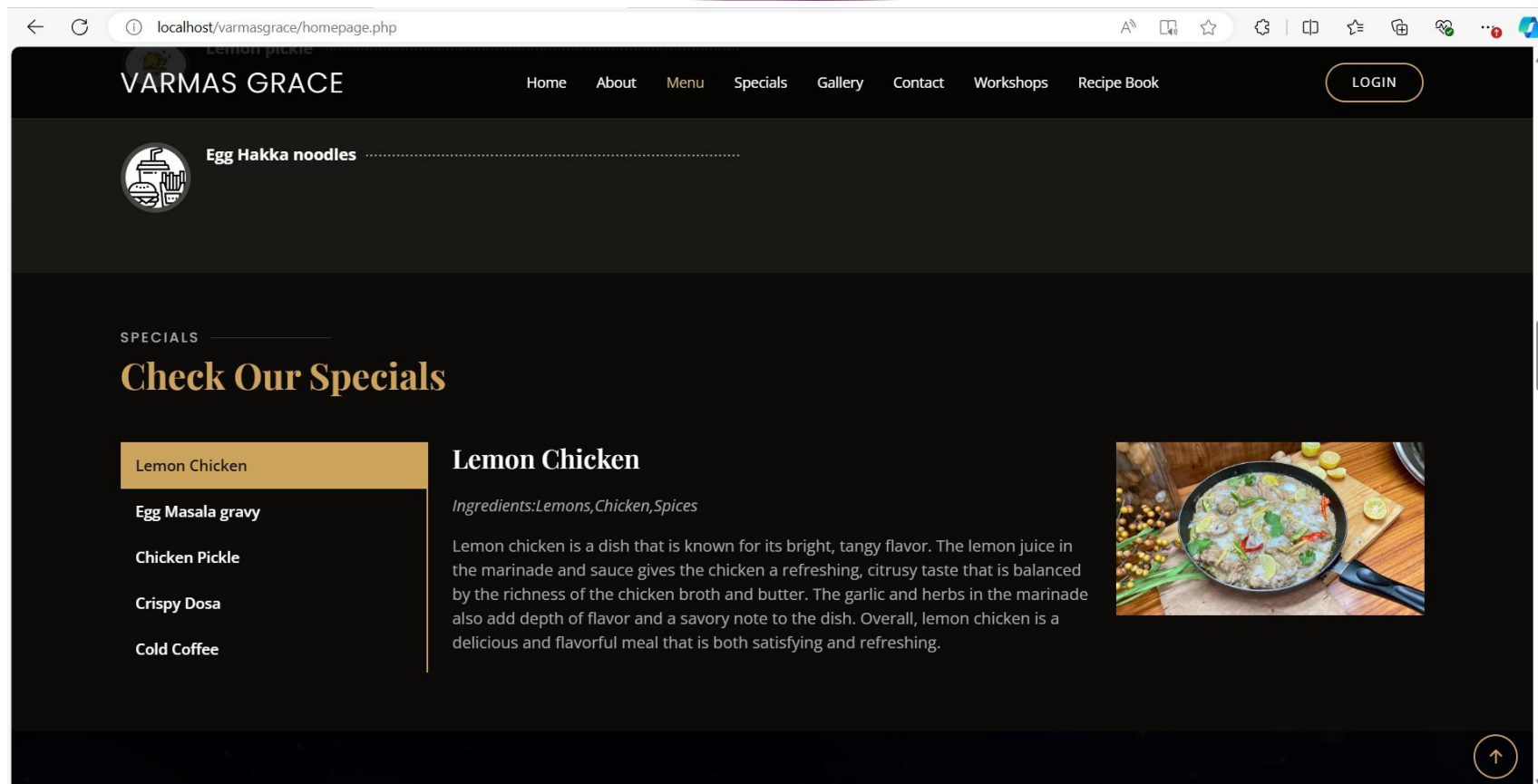
About Page



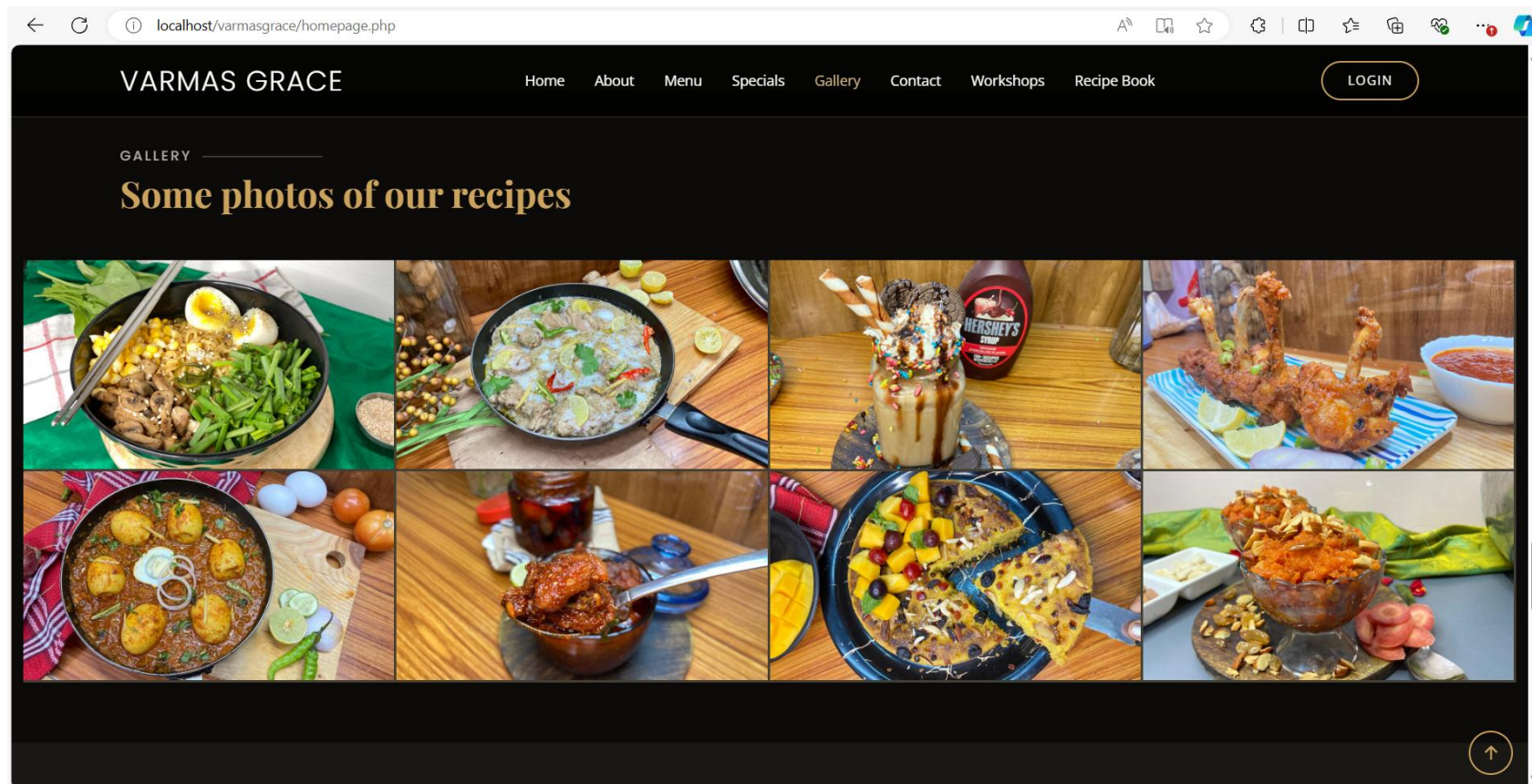
Menu Page



Specials Page



Gallery Page



Contact Page


← → ↻ ⓘ localhost/varmasgrace/homepage2.php


VARMAS GRACE


Home About Menu Specials Gallery Contact Workshops Recipe Book PROFILE

CONTACT

Contact Us

 **Youtube:**
Channel link for more recipes

 **upload timings:**
Weekly thrice

 **Email:**
varmasgrace@gmail.com

Your Name

Your Email

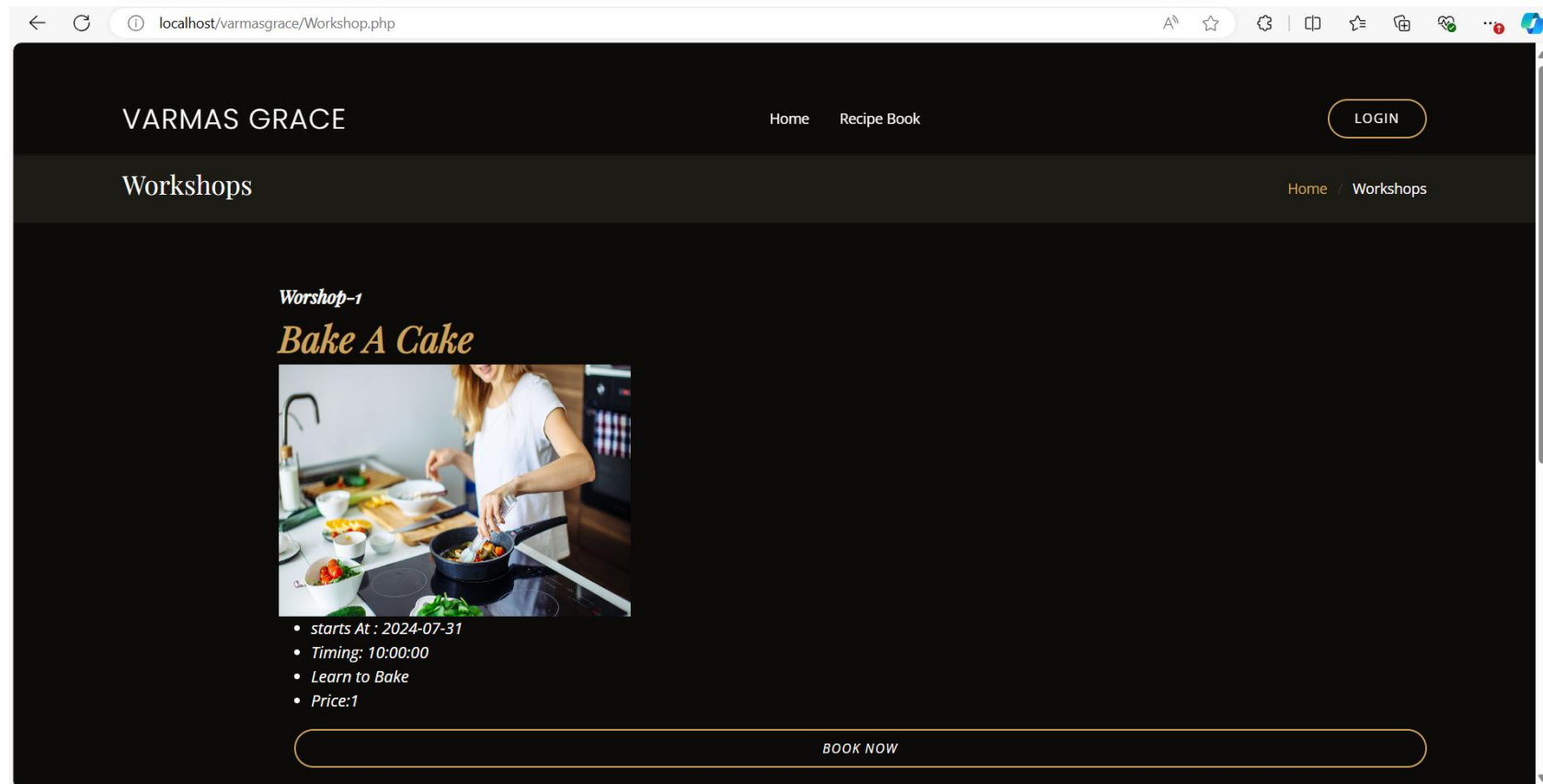
Recipe Request

Your Message

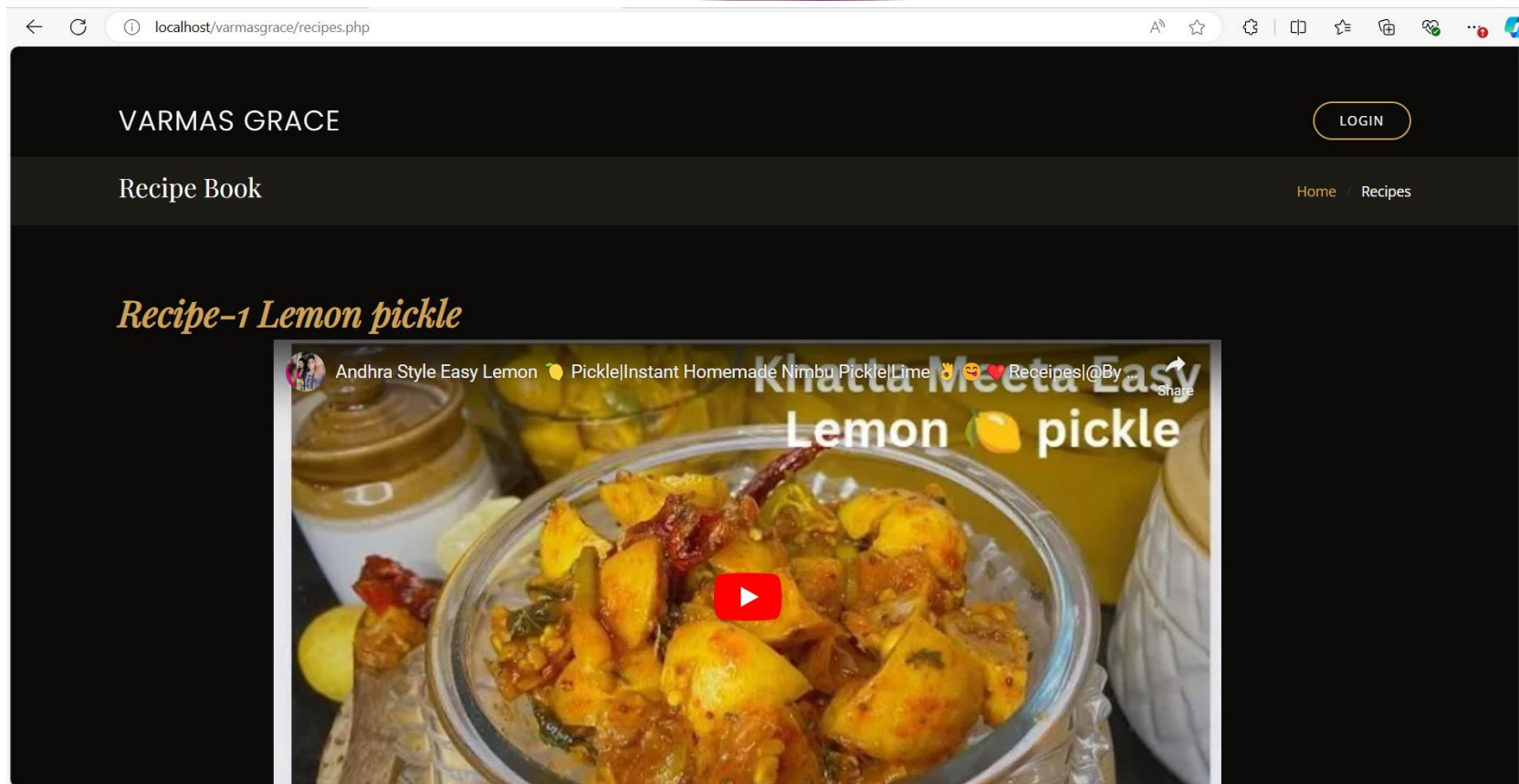
Submit

↑

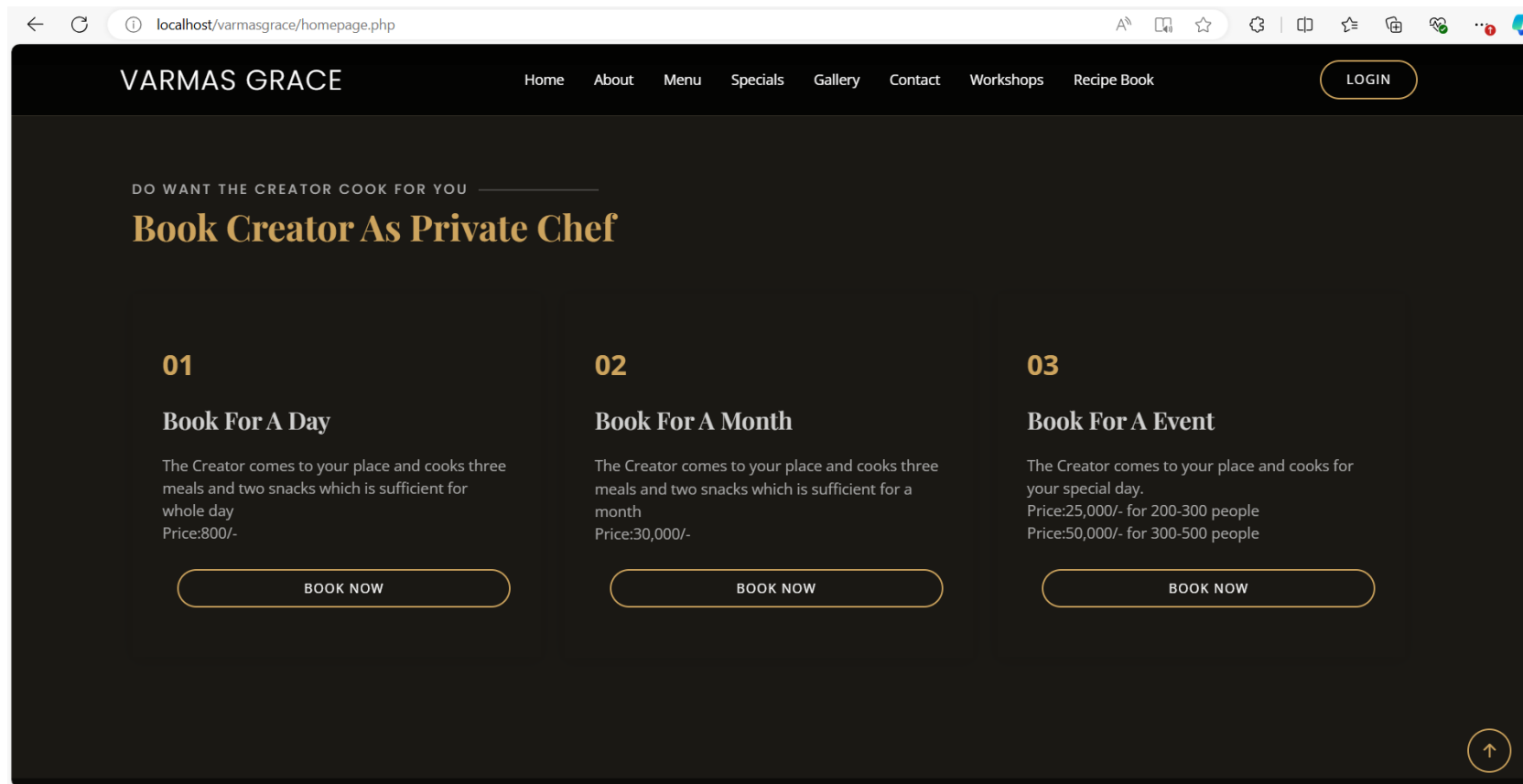
Workshop Page



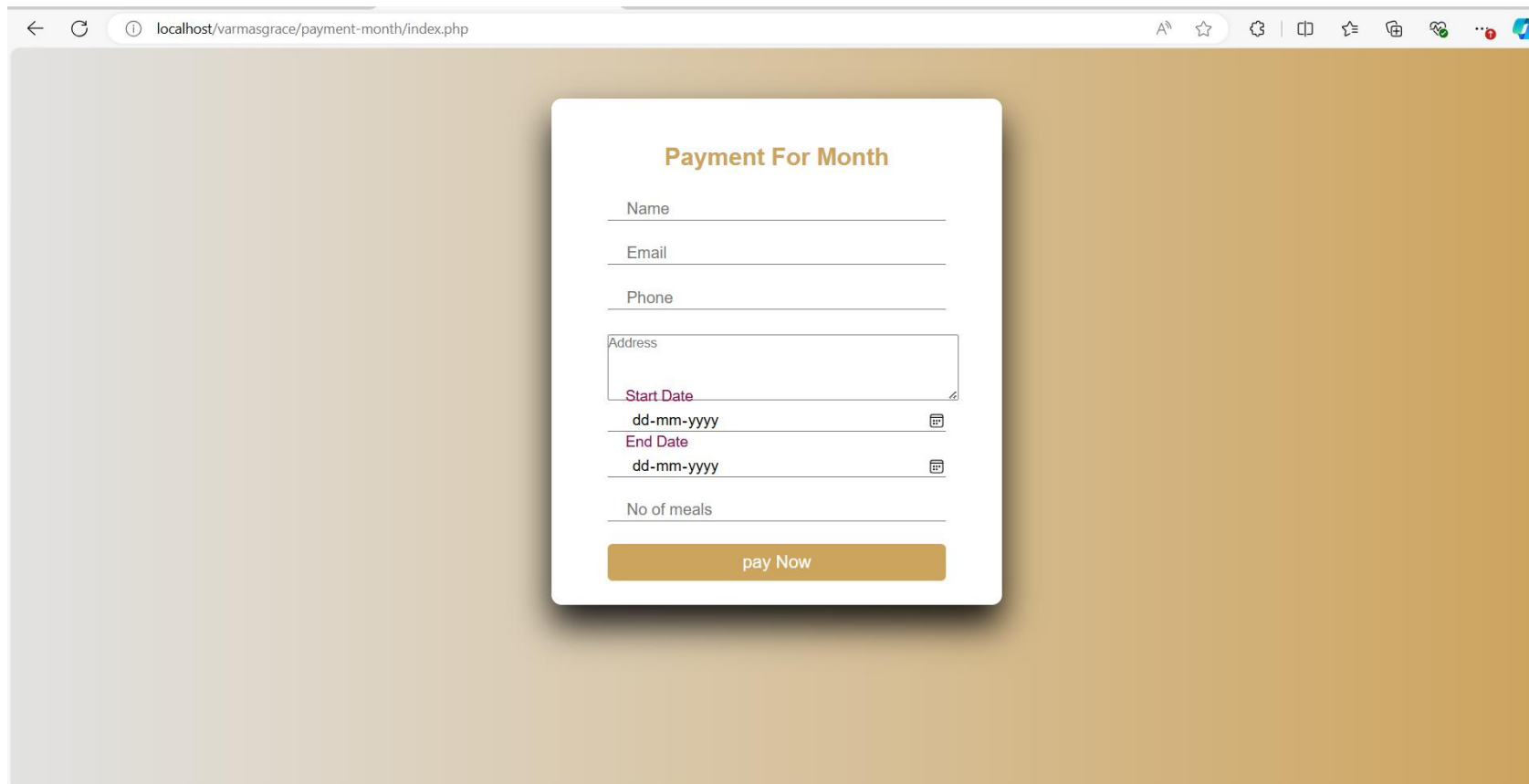
Recipe Page



Book as Private Chef Page



Payment Page for Month

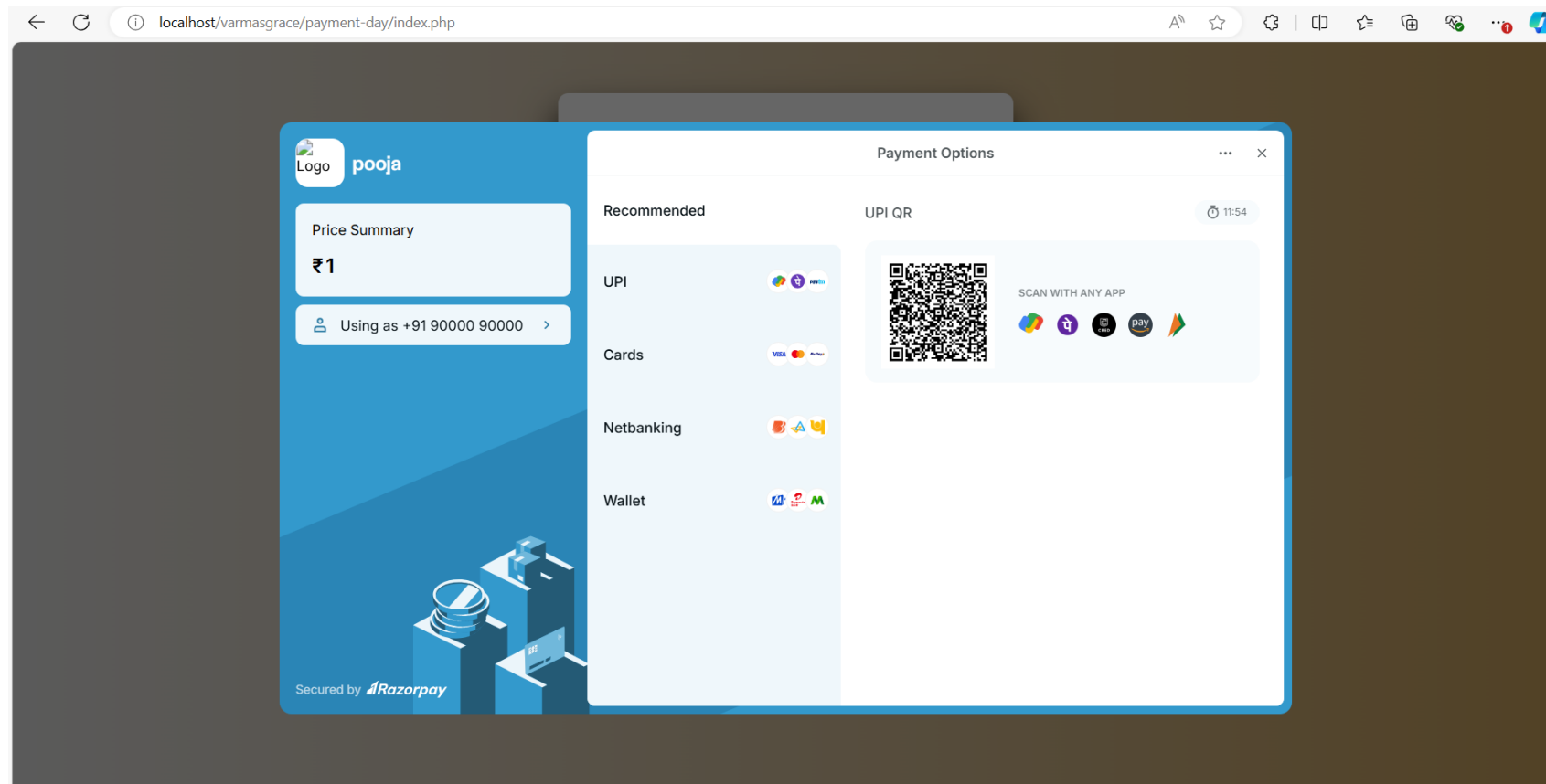


The screenshot shows a web browser window with the address bar displaying `localhost/varmasgrace/payment-month/index.php`. The page has a light beige background. In the center, there is a white modal form titled "Payment For Month" in bold orange text. The form contains the following fields:

- Name:
- Email:
- Phone:
- Address:
- Start Date: with a date picker icon and the placeholder `dd-mm-yyyy`
- End Date: with a date picker icon and the placeholder `dd-mm-yyyy`
- No of meals:

At the bottom of the form is a yellow button labeled "pay Now".

Razor Pay Gateway Page



Testing

Table 1 Test cases for User Registration

Test Case ID	Test Description	Expected Outcome	Actual Outcome	Pass/Fail
UR-01	Successful Registration with All Fields	Registration succeeded.	Registration succeeded.	Pass
UR-02	Missing Username	Error: Username field is mandatory.	Error: Username field is mandatory.	Pass
UR-03	Missing Email	Error: Email field is mandatory.	Error: Email field is mandatory.	Pass
UR-04	Missing Password	Error: Password field is mandatory.	Error: Password field is mandatory.	Pass
UR-05	Invalid Email Format (No "@" and Characters After)	Error: Invalid email format.	Error: Invalid email format.	Pass

Testing

Table 2 Test cases for Admin Login

Test Case ID	Test Description	Expected Outcome	Actual Outcome	Pass/Fail
AL-01	Successful Login with Correct Credentials	Login succeeded.	Login succeeded.	Pass
AL-02	Missing Username	Error: Username field is mandatory.	Error: Username field is mandatory.	Pass
AL-03	Missing Password	Error: Password field is mandatory.	Error: Password field is mandatory.	Pass
AL-04	Incorrect Username or Password	Error: Invalid credentials.	Error: Invalid credentials.	Pass

Testing

Table 3 Test cases for Video Upload

Test Case ID	Test Description	Expected Outcome	Actual Outcome	Pass/Fail
VU-01	Successful Upload with All Fields	Video upload succeeded.	Video upload succeeded.	Pass
VU-02	Missing Title	Error: Title field is mandatory.	Error: Title field is mandatory.	Pass
VU-03	Missing URL	Error: URL field is mandatory.	Error: URL field is mandatory.	Pass
VU-04	Missing Category	Error: Category field is mandatory.	Error: Category field is mandatory.	Pass
VU-05	Missing Ingredients	Error: Ingredients field is mandatory.	Error: Ingredients field is mandatory.	Pass
VU-06	Missing Description	Error: Description field is mandatory.	Error: Description field is mandatory.	Pass
VU-07	Missing Preparation	Error: Preparation field is mandatory.	Error: Preparation field is mandatory.	Pass

Testing

Table 4 Test cases for Workshop Upload

Test Case ID	Test Description	Expected Outcome	Actual Outcome	Pass/Fail
WU-01	Successful Upload with All Fields	Workshop upload succeeded.	Workshop upload succeeded.	Pass
WU-02	Missing Title	Error: Title field is mandatory.	Error: Title field is mandatory.	Pass
WU-03	Missing Date	Error: Date field is mandatory.	Error: Date field is mandatory.	Pass
WU-04	Missing Time	Error: Time field is mandatory.	Error: Time field is mandatory.	Pass
WU-05	Missing Price	Error: Price field is mandatory.	Error: Price field is mandatory.	Pass
WU-06	Missing Description	Error: Description field is mandatory.	Error: Description field is mandatory.	Pass

Testing

Table 5 Test cases for User Booking For Workshop

Test Case ID	Test Description	Expected Outcome	Actual Outcome	Pass/Fail
WBW-01	Successful Booking with All Fields	Booking succeeded.	Booking succeeded.	Pass
WBW-02	Missing Name	Error: Name field is mandatory.	Error: Name field is mandatory.	Pass
WBW-03	Missing Email	Error: Email field is mandatory.	Error: Email field is mandatory.	Pass
WBW-04	Missing Workshop Number	Error: Workshop Number field is mandatory.	Error: Workshop Number field is mandatory.	Pass

Testing

Table 6 Test cases for User Booking For Private Chef

Test Case ID	Test Description	Expected Outcome	Actual Outcome	Pass/Fail
BPC-01	Successful Booking with All Fields	Booking succeeded.	Booking succeeded.	Pass
BPC-02	Missing Name	Error: Name field is mandatory.	Error: Name field is mandatory.	Pass
BPC-03	Missing Email	Error: Email field is mandatory.	Error: Email field is mandatory.	Pass
BPC-04	Missing Phone Number	Error: Phone Number field is mandatory.	Error: Phone Number field is mandatory.	Pass
BPC-05	Missing Address	Error: Address field is mandatory.	Error: Address field is mandatory.	Pass
BPC-06	Missing Dishes for Day	Error: Dishes field is mandatory.	Error: Dishes field is mandatory.	Pass
BPC-07	Missing Date	Error: Date field is mandatory.	Error: Date field is mandatory.	Pass
BPC-08	Missing Day	Error: Day field is mandatory.	Error: Day field is mandatory.	Pass

Conclusion

- ▶ Enhanced Accessibility
- ▶ Streamlined Administration
- ▶ User Engagement
- ▶ Scalable Foundation

Future enhancements

- ▶ Personalization Features
- ▶ Blockchain for Supply Chain Transparency
- ▶ E-commerce Integration

Bibliography

- ▶ <https://developer.mozilla.org/en-US/docs/Web/HTML>
- ▶ <https://www.w3schools.com/css/default.asp>
- ▶ <https://www.w3schools.com/php>
- ▶ <https://www.w3schools.com/bootstrap>
- ▶ <https://www.apachefriends.org/index.html>