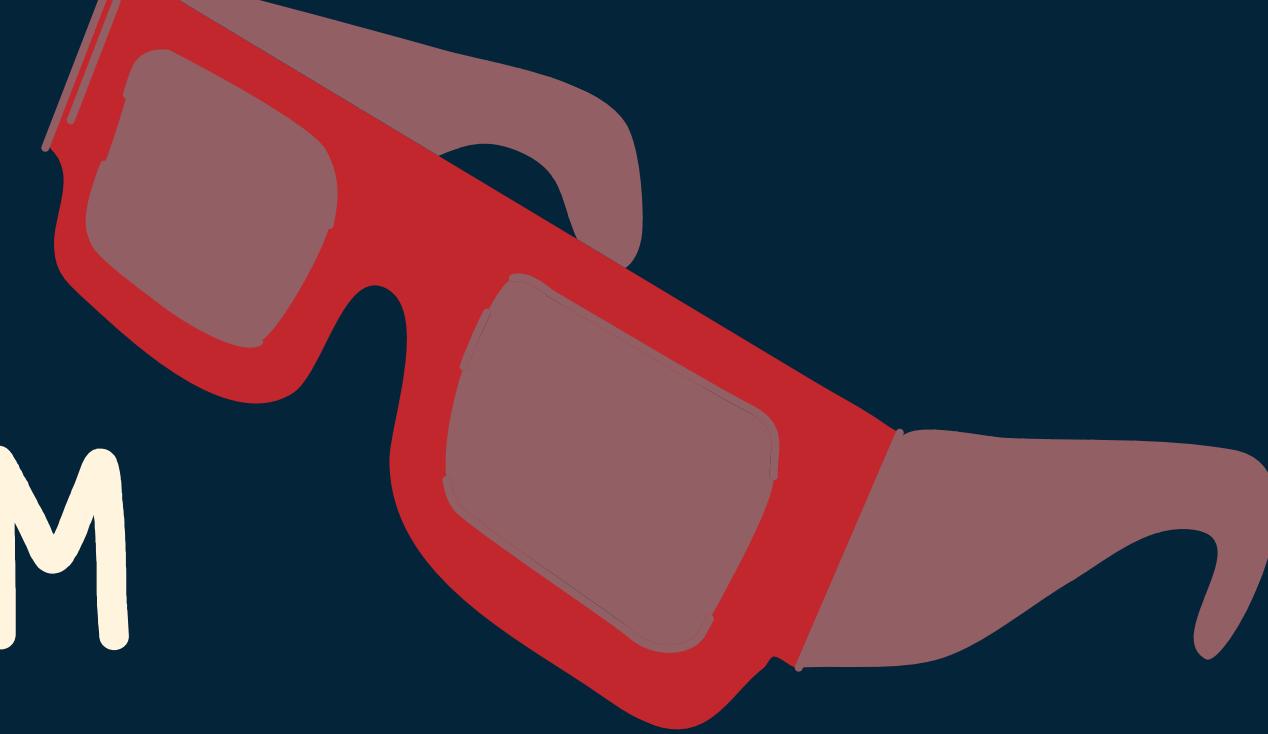


# CINEMA SYSTEM



# TEAM 3



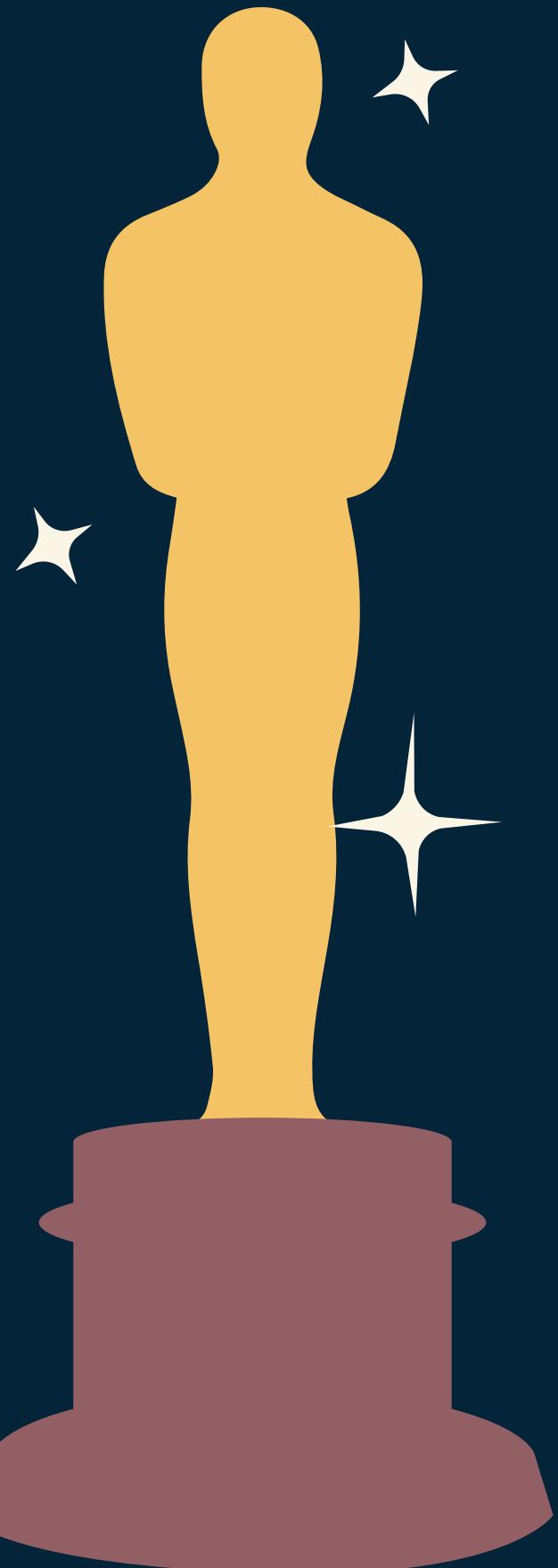
ASAP.NET CORE MVC



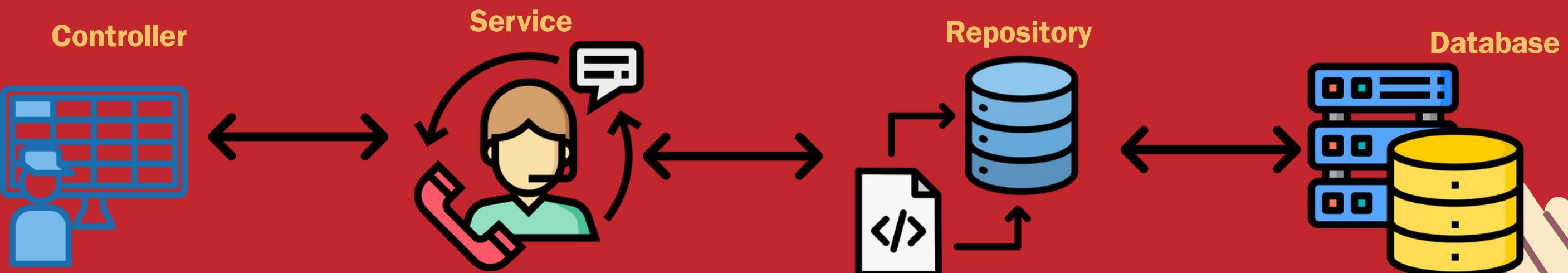
# GROUP MEMBER

Name	ID
Thái Công Đạt	SE170183
Phan Đỗ Gia Tuệ	SE183566
Nguyễn Lê Quốc Đạt	SE183156
Nguyễn Quang Duy Quang	SE183155
Nguyễn Hoàng Minh	SE180474
Nguyễn Gia Bảo	SE184126
Lương Trọng Vỹ	SE151493

Reporting date : 8/6/2025



# MVC Model



# SYSTEM TECHNOLOGY



## Frontend

Razor View, Bootstrap, jQuery



## Backend

ASP.NET Core MVC, Entity Framework Core



## Database

SQL Server with relational design



## Real-time

SignalR for live seat updates



## Payment

PayOS and VietQR integration

# INTRODUCING THE PROJECT

1

## OBJECTIVES

- Automate ticket booking, payment, and cinema management processes.
- Enhance customer experience and optimize staff/admin operations.

2

## PRACTICAL VALUE

- Suitable for small and medium cinemas, easily scalable.

# MAIN FEATURES

1



TICKET BOOKING  
SYSTEM

2



CUSTOMER  
MANAGEMENT SYSTEM

3



ADMIN MANAGEMENT  
DASHBOARD

4



REAL-TIME DASHBOARD

# TICKET BOOKING SYSTEM

## Movie Selection & Showtimes

- Browse current and upcoming movies
  - View detailed movie information
  - Real-time showtime availability
- 

## Interactive Seat Selection

- Visual seat map with real-time updates
  - Seat status (Available/Booked/Reserved)
  - Couple seats and VIP seating options
- 

## Food & Beverage Integration

- Pre-order snacks and drinks
  - Customizable food packages
  - Special dietary options available
- 



## Multiple Payment Methods

- QR Code payment (PayOS/VietQR)
  - Cash payment at counter
- 



## Booking Confirmation

- Instant ticket generation
  - Confirmation with QR code
  - Digital ticket storage
-



# CUSTOMER MANAGEMENT SYSTEM



## User Registration & Authentication

- Secure account creation
- Email verification system
- Social media login integration
- Password recovery option



## Member Ranking System

- Bronze → Silver → Gold → Platinum
- Progressive discount benefits
- Exclusive member privileges
- Personalized offers



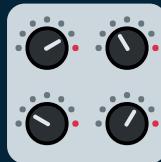
## Loyalty Program & Points System

- Earn points on every purchase
- Automatic point calculation
- Point redemption for discounts
- Special member-only promotions



## Profile Management

- Personal information updates
- Booking history tracking
- Preference settings
- Communication preferences



# ADMIN MANAGEMENT DASHBOARD



## Employee Management

- Employee account creation
- Role-based access control
- Performance monitoring
- Training management



## Movie & Content Management

- Movie information updates
- Poster and trailer uploads
- Cast and crew management
- Content scheduling



## Cinema Operations

- Room configuration setup
- Seat layout management
- Equipment maintenance tracking
- Facility status monitoring



## Showtime Management

- Schedule creation and editing
- Capacity planning
- Conflict resolution
- Dynamic pricing



## Marketing & Promotions

- Promotion campaign creation
- Voucher generation and tracking
- Discount management
- Marketing analytics



# REAL-TIME DASHBOARD



## Live Seat Status Updates

- Real-time seat availability
- Instant booking confirmations
- Seat conflict prevention
- Visual seat map updates



## Revenue Analytics

- Live revenue tracking
- Sales performance metrics
- Revenue trend analysis
- Financial forecasting



## Business Intelligence

- Room configuration setup
- Seat layout management
- Equipment maintenance tracking
- Facility status monitoring

# DEMO



## ADMIN MANAGEMENT DEMO

Ticket installation process from the customer side.

## QR PAYMENT DEMO

Comprehensive system management, from events to reporting

## TICKET BOOKING DEMO

Fast, secure payments with just one scan

# TESTING AND QA

## Testing Strategy

Unit Testing (85% coverage),  
Integration Testing, E2E Testing

## QA Process

Test case design, execution, bug  
tracking

## Metrics

98% pass rate, <200ms  
performance, Security A+

## Visual

Professional blue theme with  
testing dashboard



# DEPLOYMENT & DEVOPS

**CI/CD Pipeline :** GitHub Actions

## **Infrastructure:**

Containerization, Cloud-native,  
Monitoring

## **Metrics:**

99.9% uptime, zero-downtime  
deployment

## **Visual:**

Dark blue theme with technology  
stack icons



# Q&A & CONTACT

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