

CINEMA SYSTEM



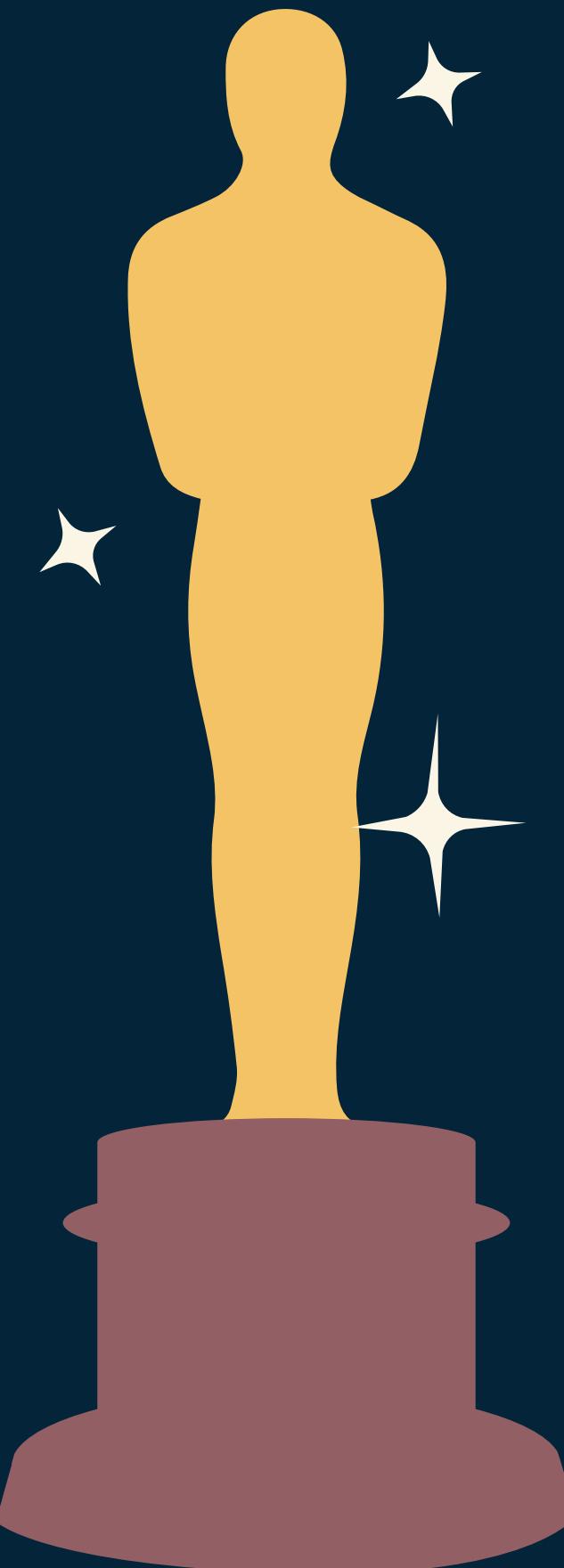
TEAM 3



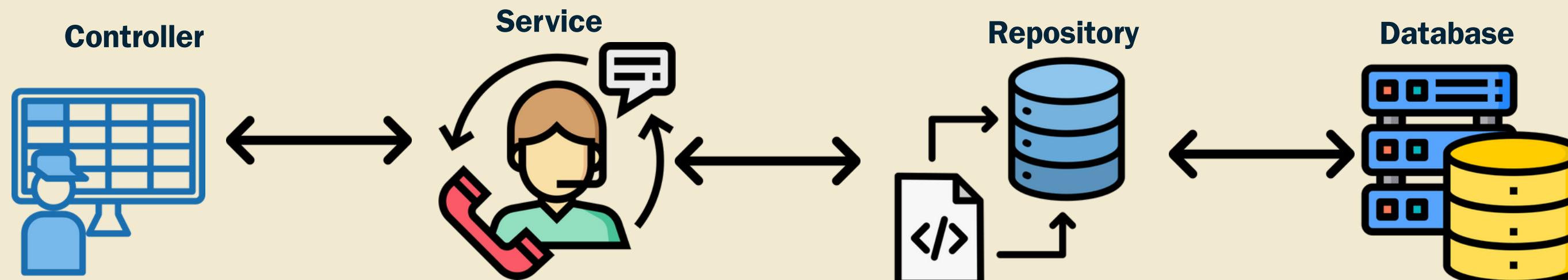
GROUP MEMBER

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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.
- 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



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

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



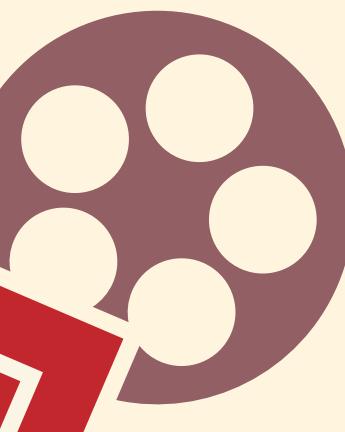
User Registration & Authentication

- 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

PROMOTIONS & VOUCHERS

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

TESTING AND QA

Testing Strategy

Unit Testing (80% coverage),
Integration Testing, E2E Testing

QA Process

Test case design, execution, bug
tracking

Metrics

90% pass rate, Security A

Visual

Professional blue theme with
testing dashboard





DEPLOYMENT & DEVOPS

CI/CD PIPELINE

Github Action

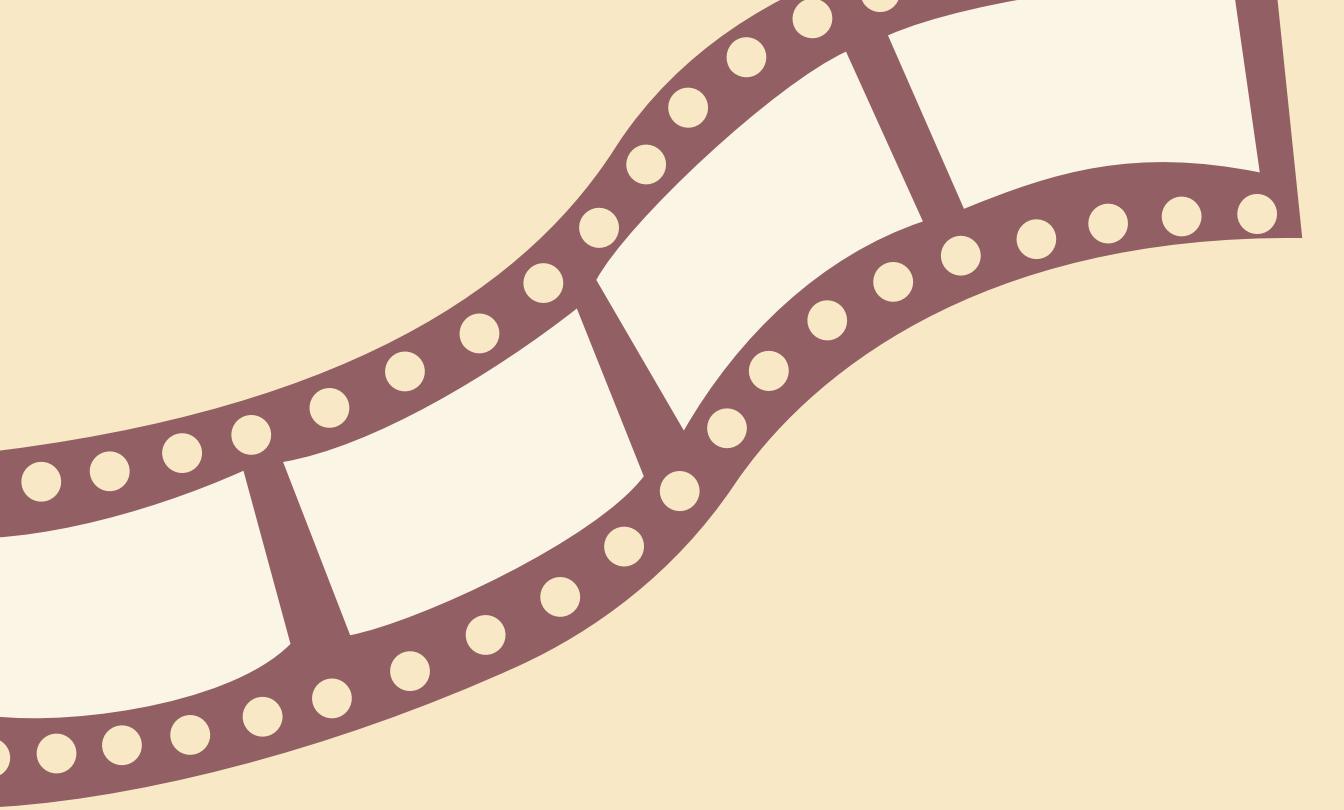
Infrastructure

Containerization, Cloud-native,
Monitoring

Metrics

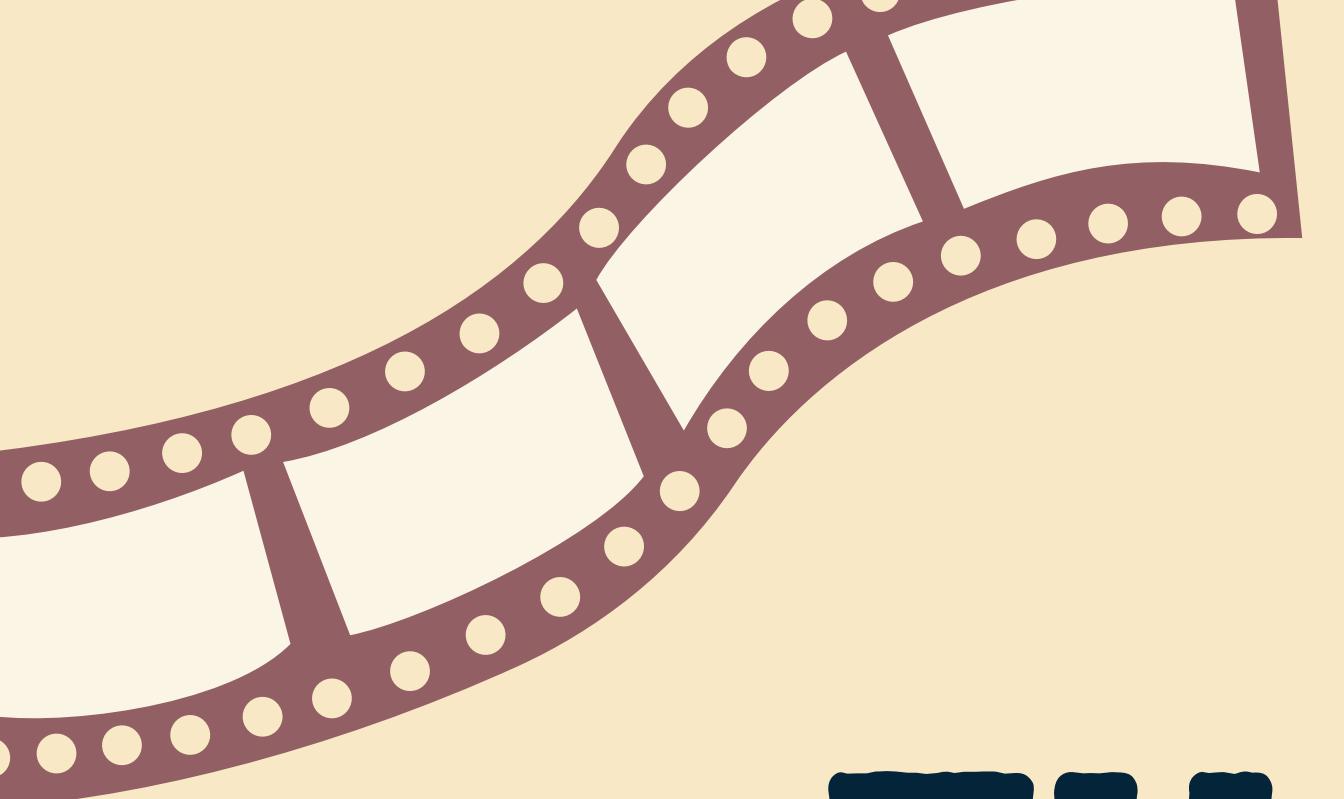
99.9% uptime, zero-downtime
deployment

DEMO





Q&A



THANKS FOR WATCHING



group 3