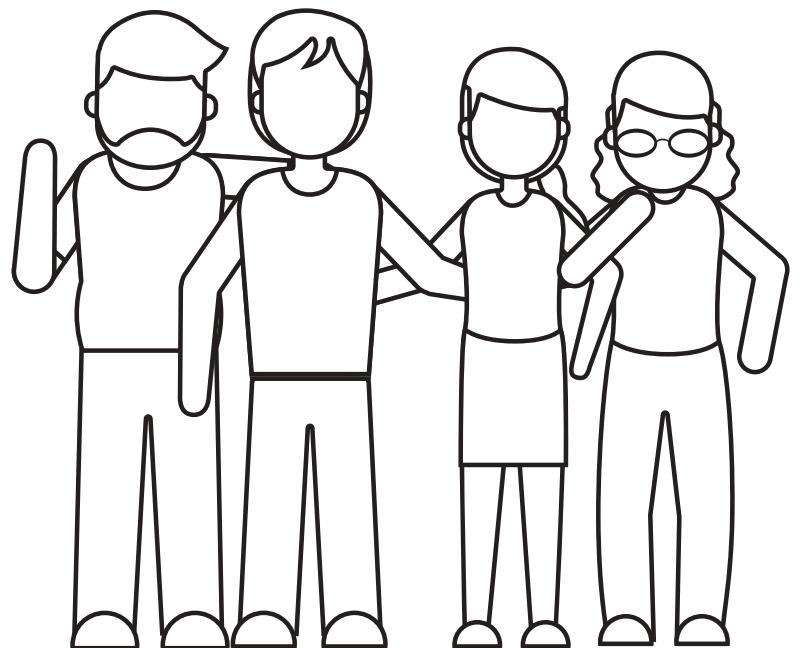




Movie ticket booking app

Members

- Do Hoang An (leader) - Student1406279
Tran Anh Tuan - Student1417931
To Nhat Minh - Student1415998
Le Vu Trinh Tung - Student1406270
Dinh The Phong - Student1415444
Mai Viet Long - Student1427066
- Instructor: Nguyen Duc Hoang



Reasons for Choosing the Topic



The demand for watching movies is increasing, especially among young people.

The habit of using smartphones to buy tickets and book appointments is becoming more and more popular.

The desire to build a fast, convenient and modern system.



Topic Objective

- 
- Build an application that allows:
- View a list of movies that are showing/coming soon.
 - View showtimes by theater, by day.
 - Select showtimes and seats.
 - Book tickets, pay online.
 - Manage booked tickets.
- 

System Architecture

Technology:

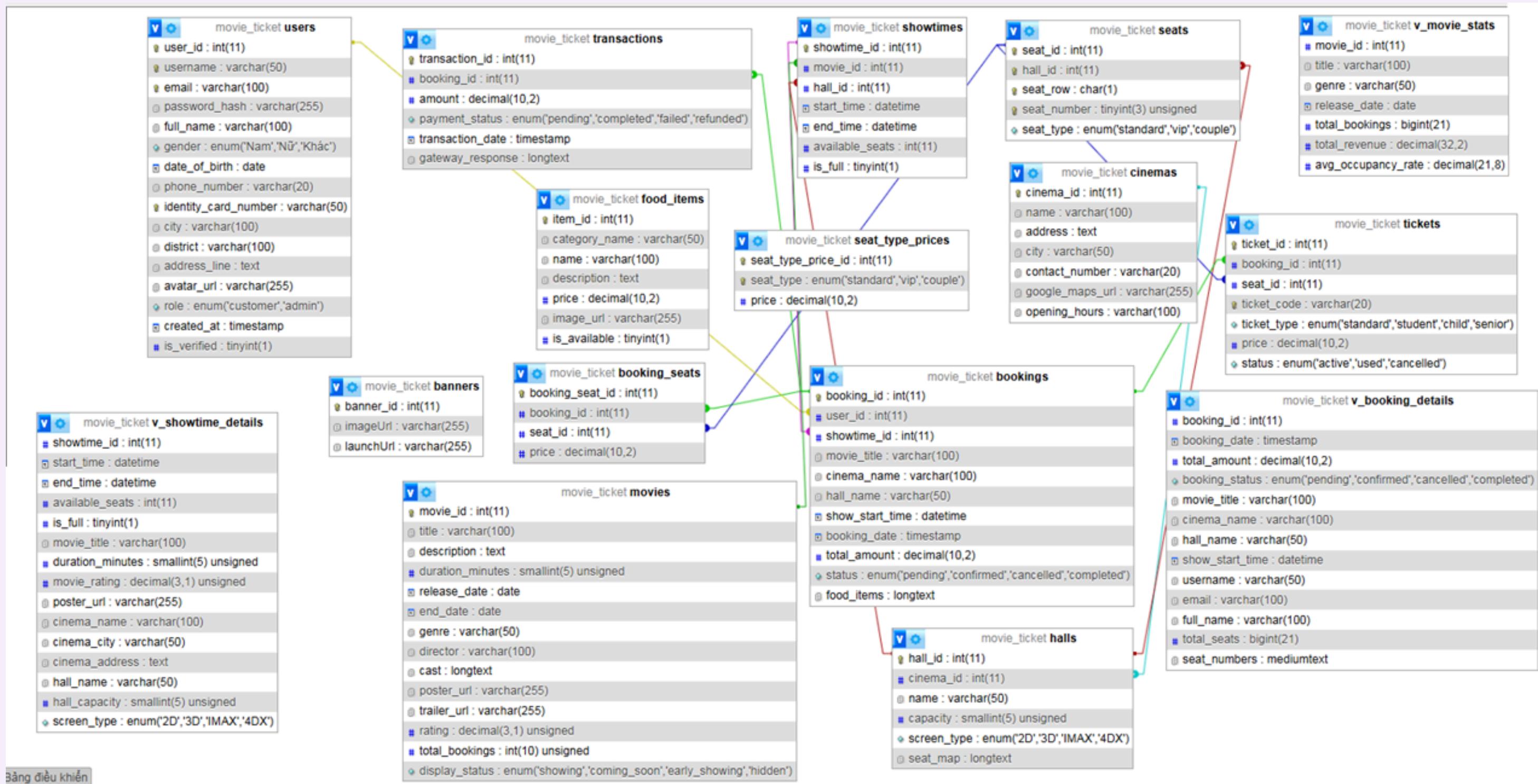
- MVC back-end (nodejs)
- Flutter
- mysql
- cloudinary
- android studio, xampp, visual

Library:

- youtube_player_flutter
- Intl
- JWT



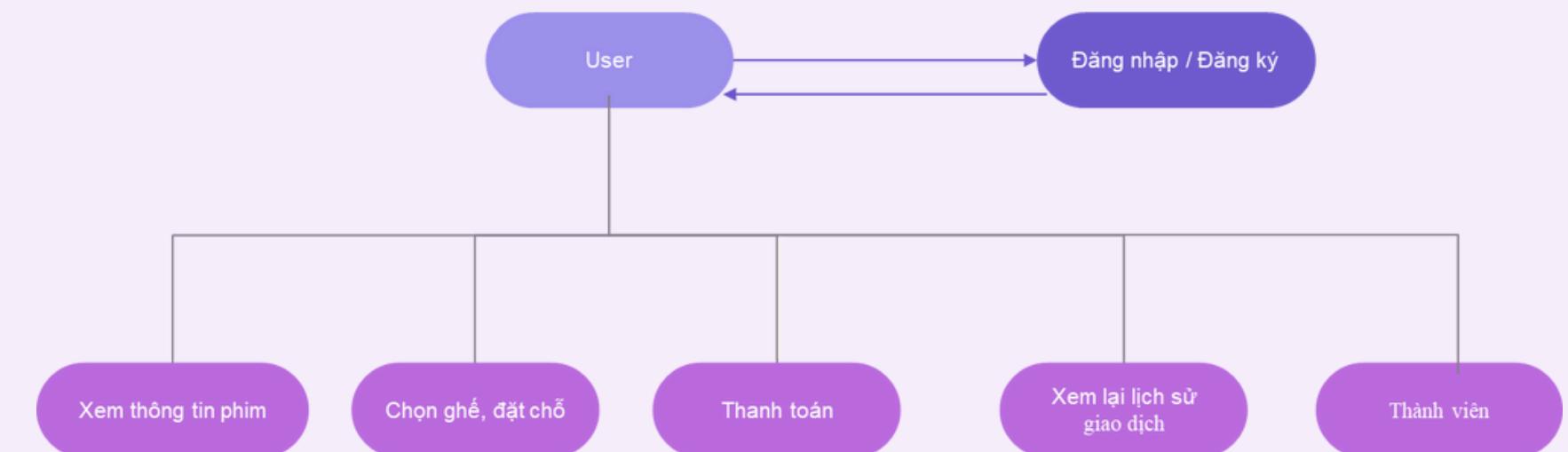
Database



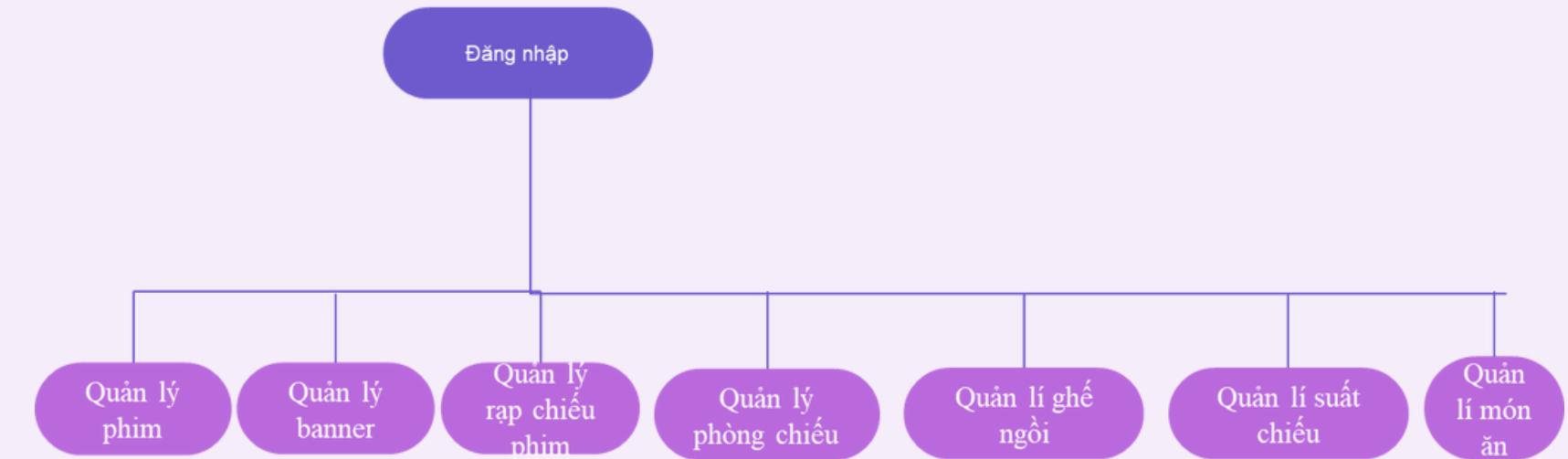
Site Map Admin & User



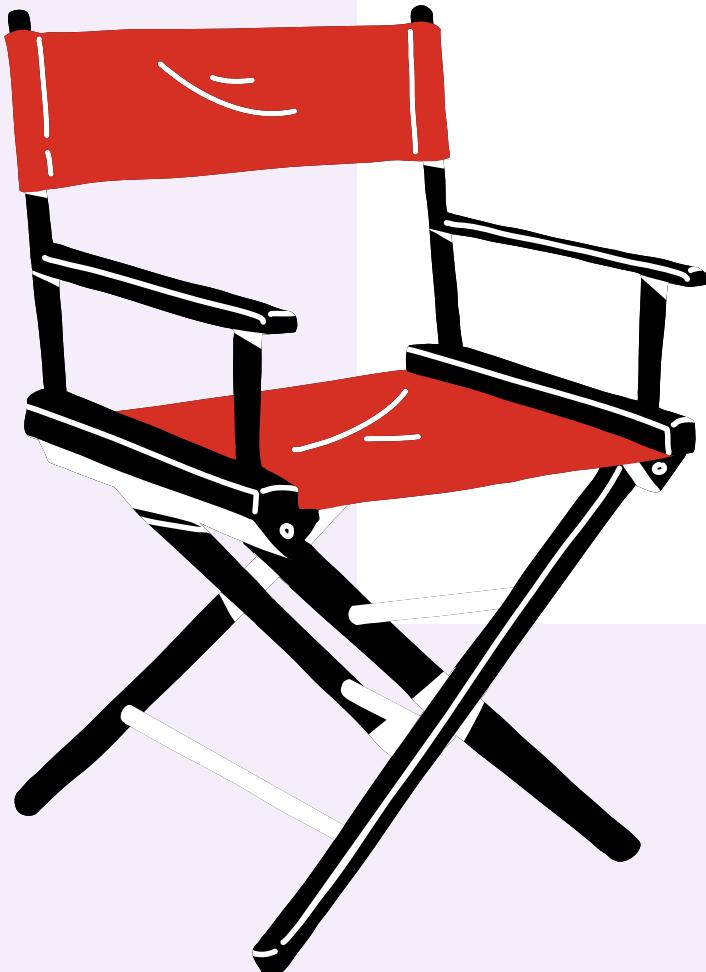
Site map user



Site Map admin

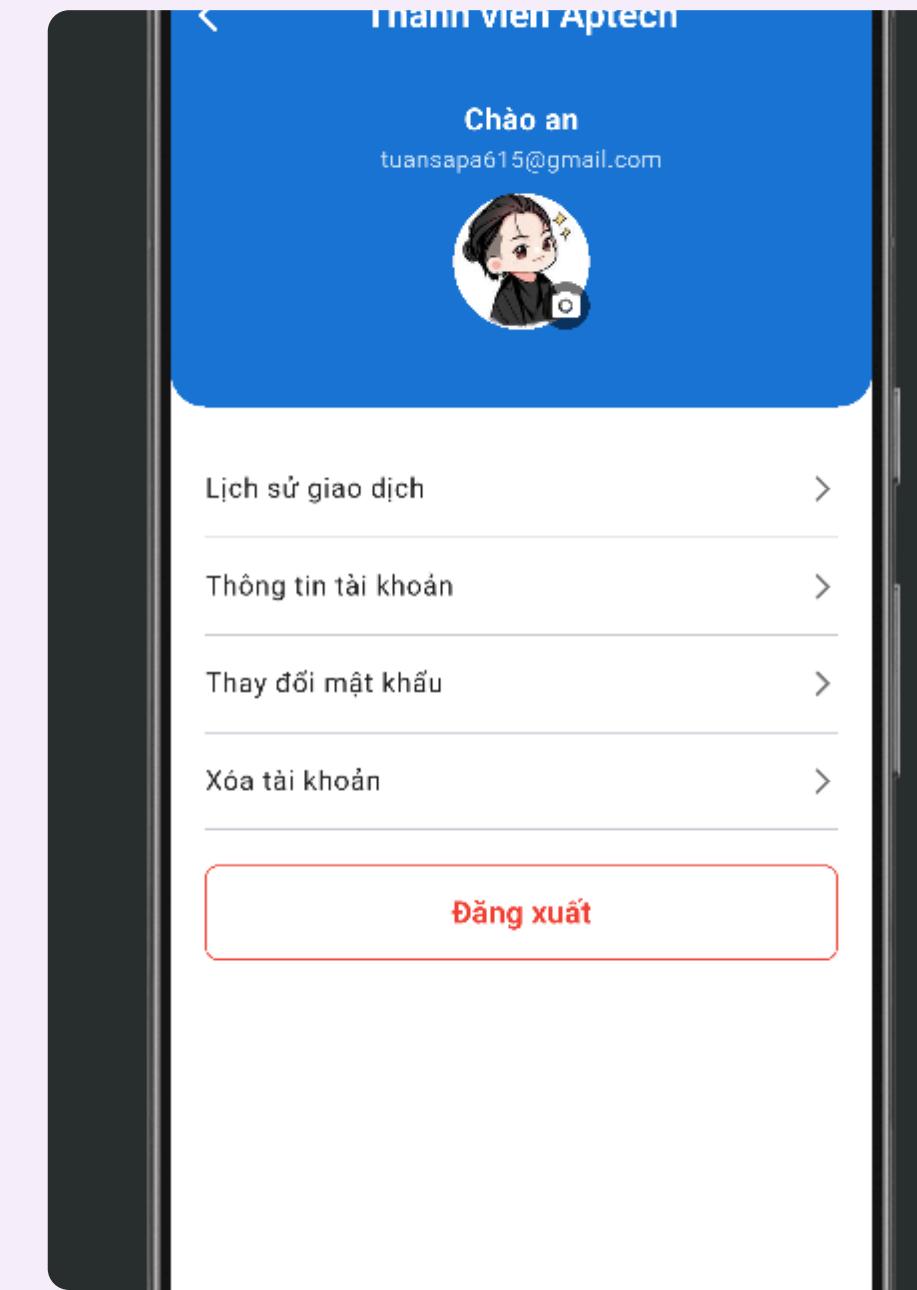
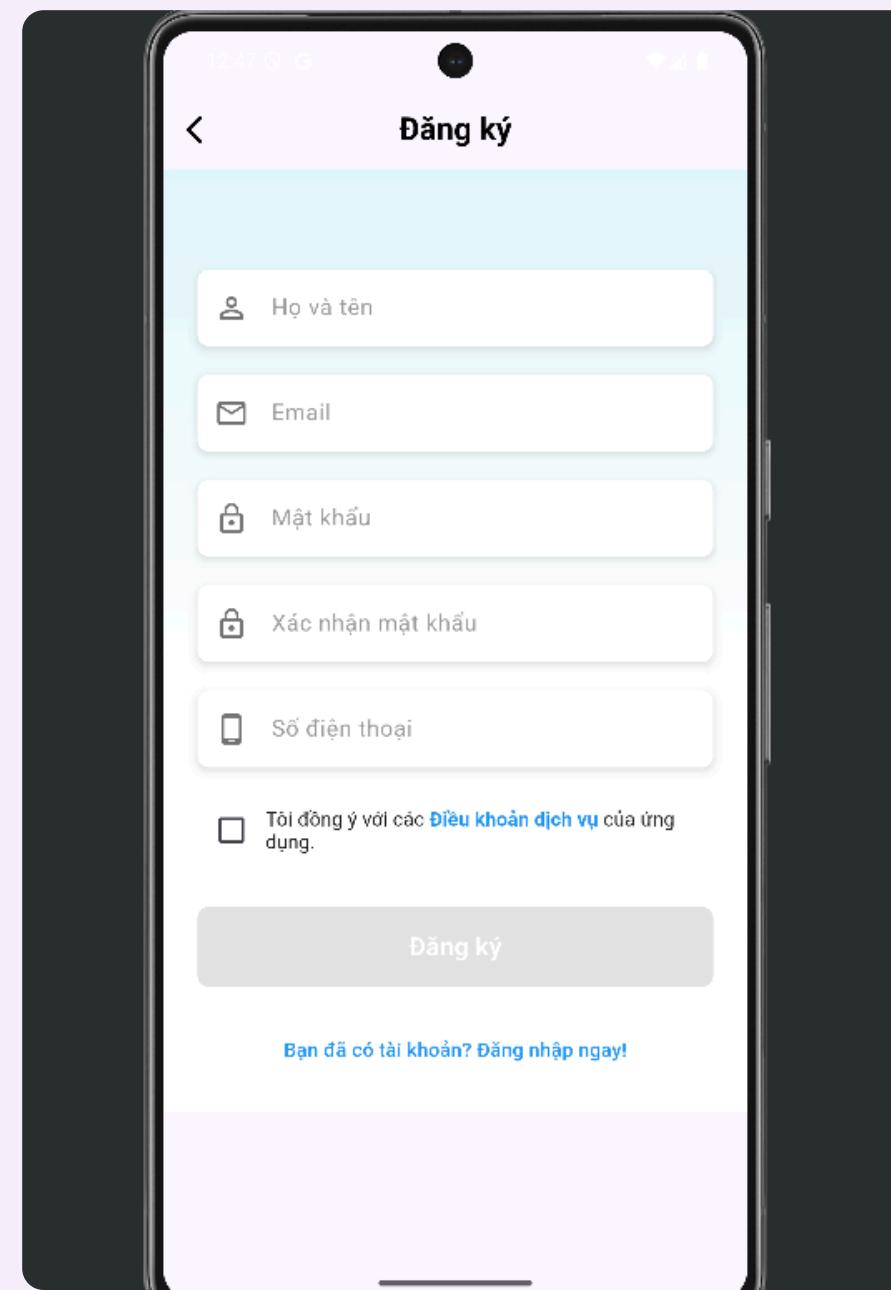
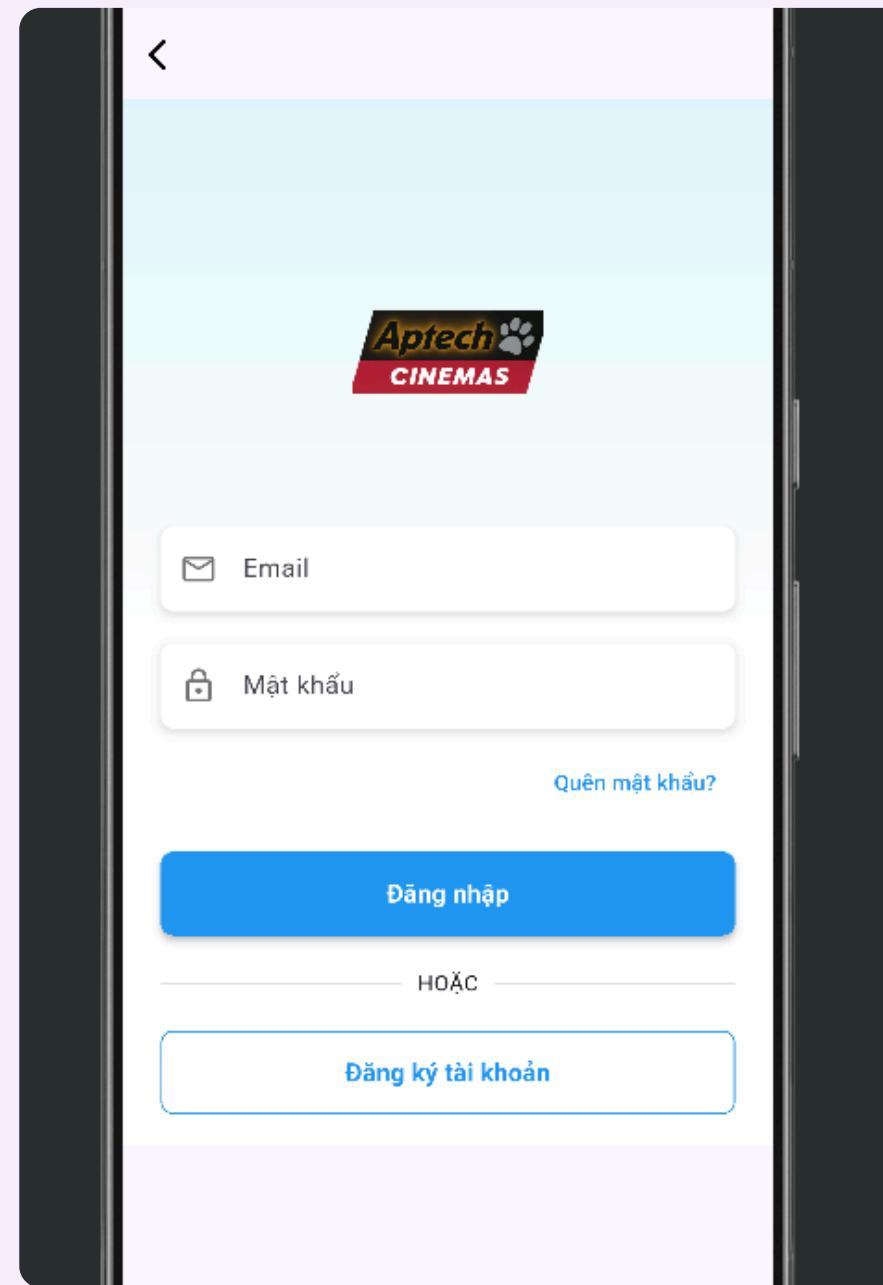


key features of a movie poster



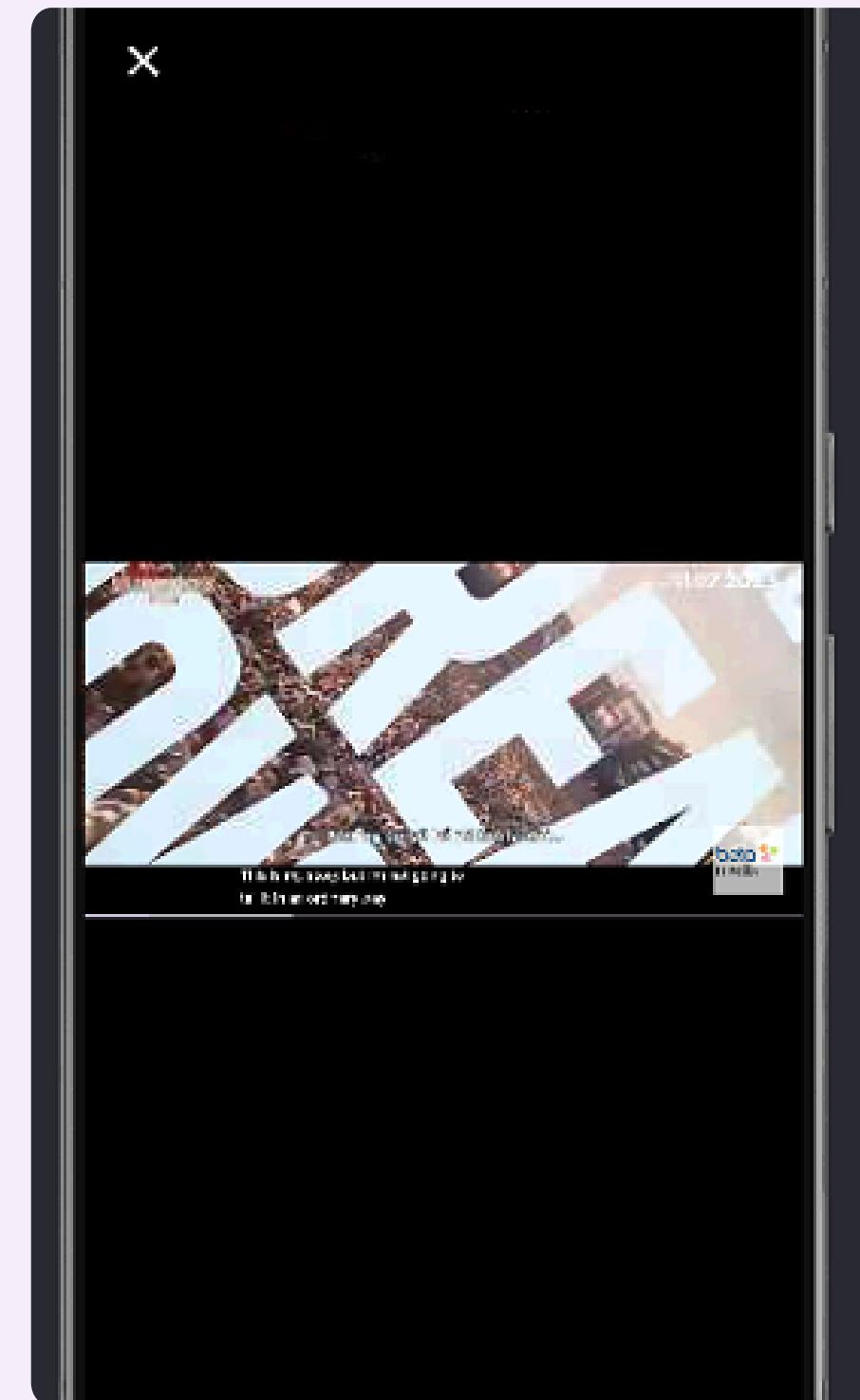
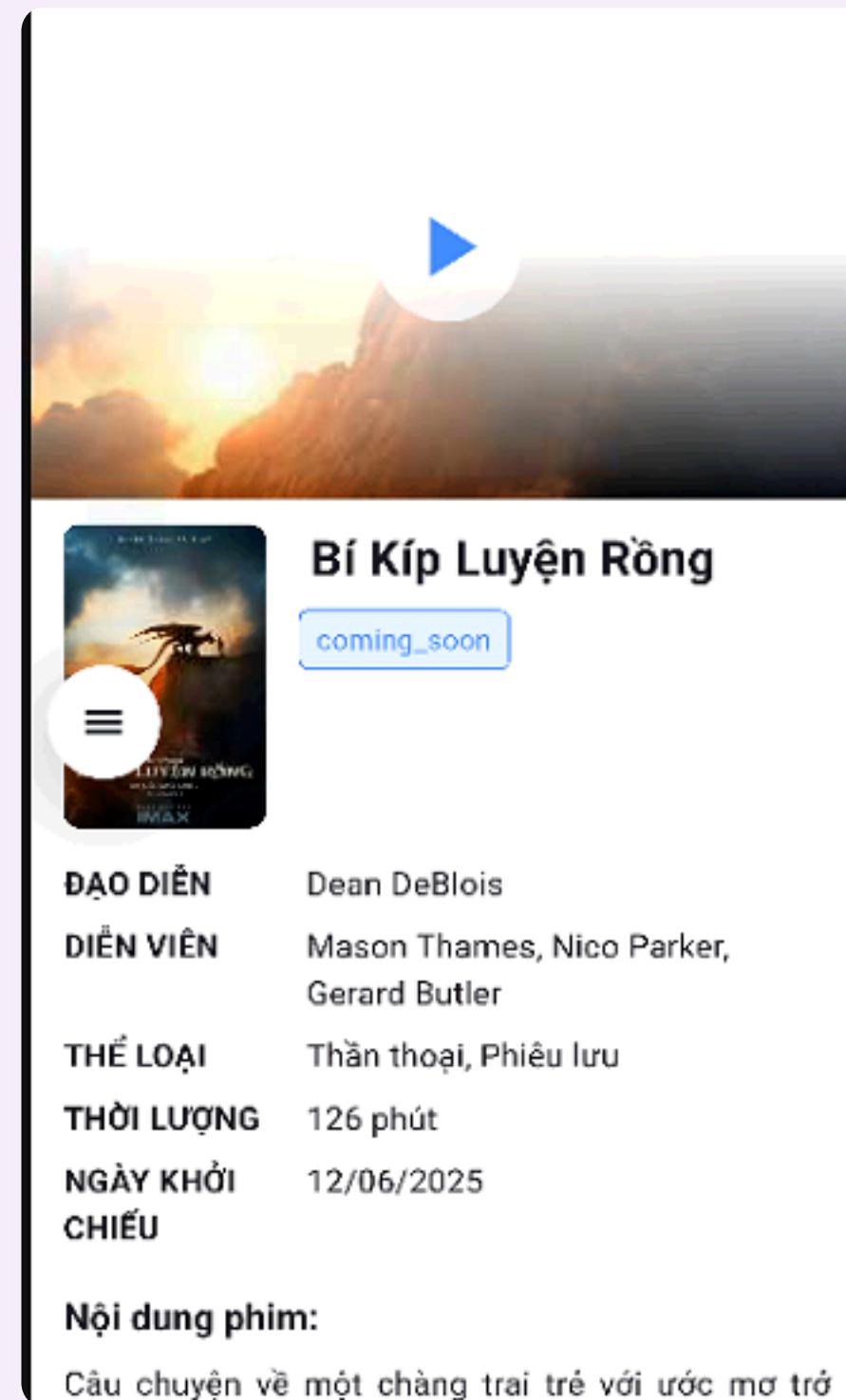
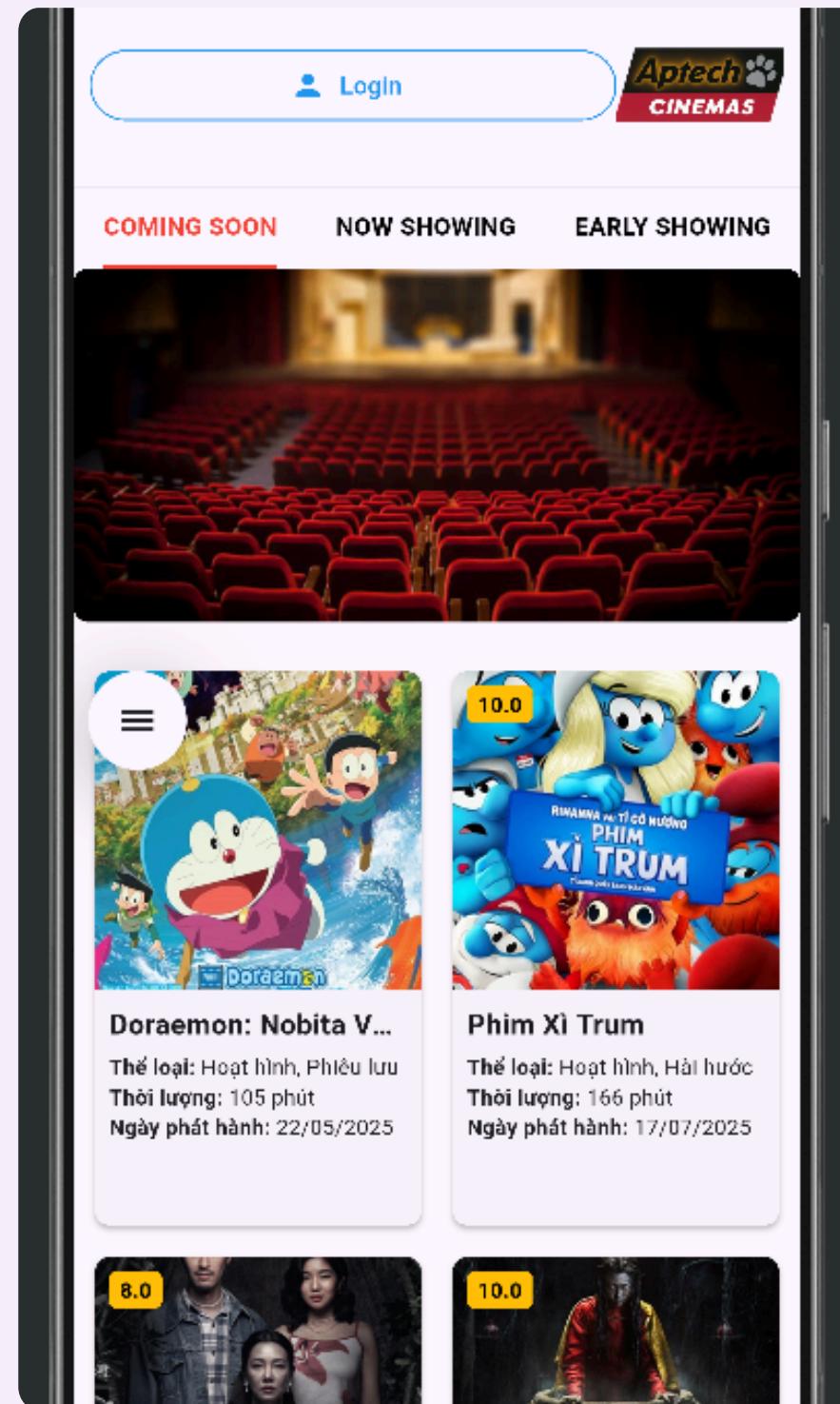
User interface

Login / Register / Logout



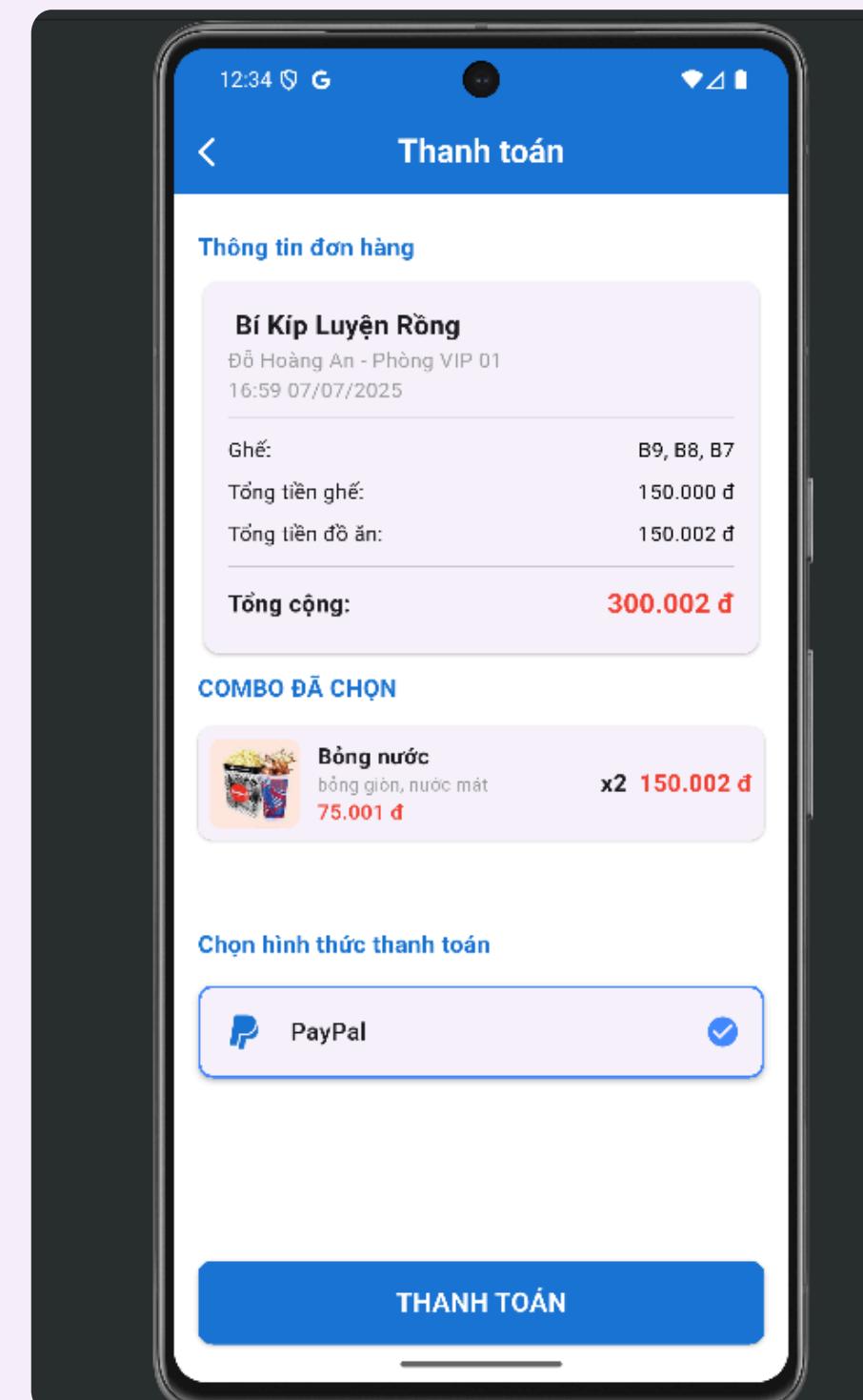
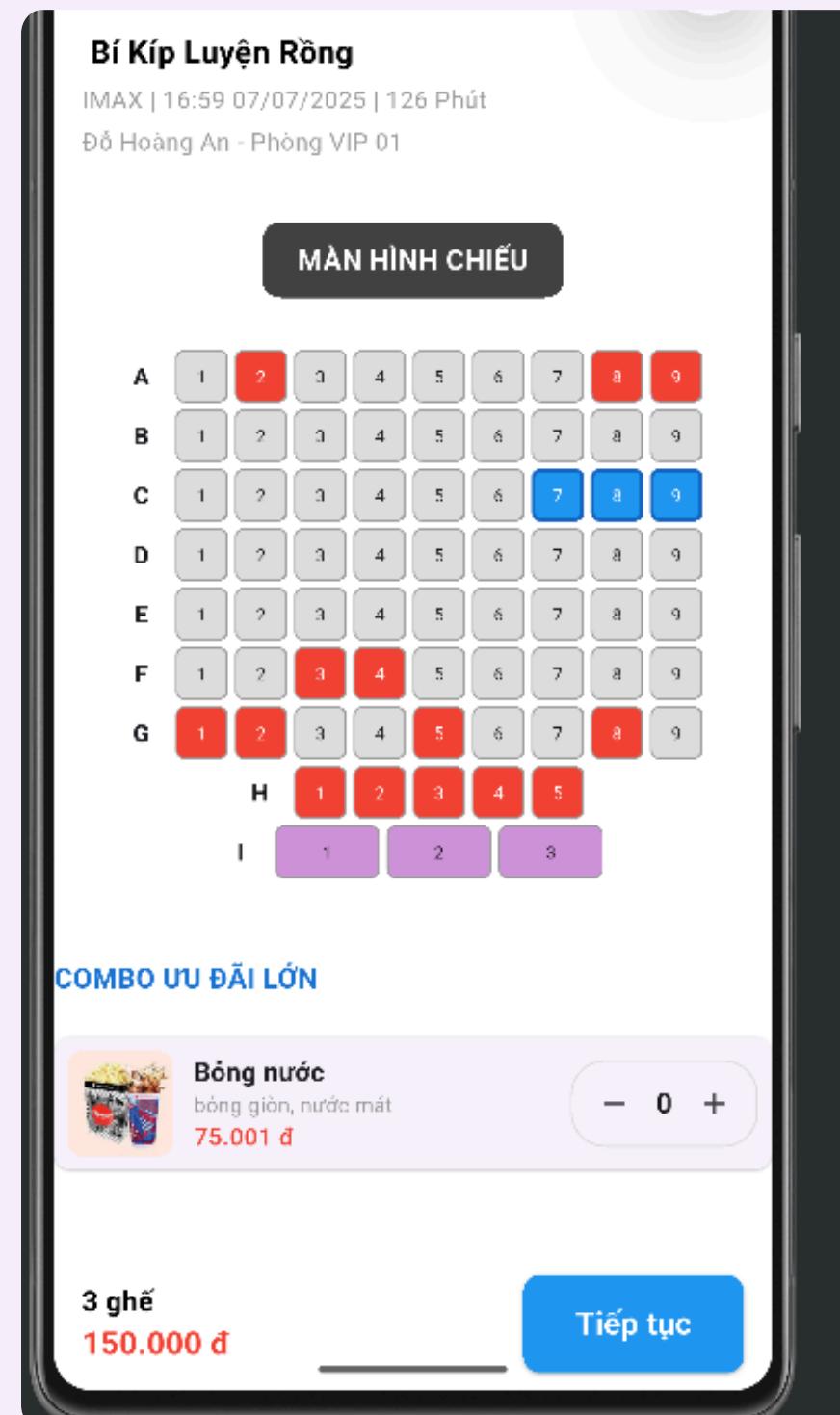
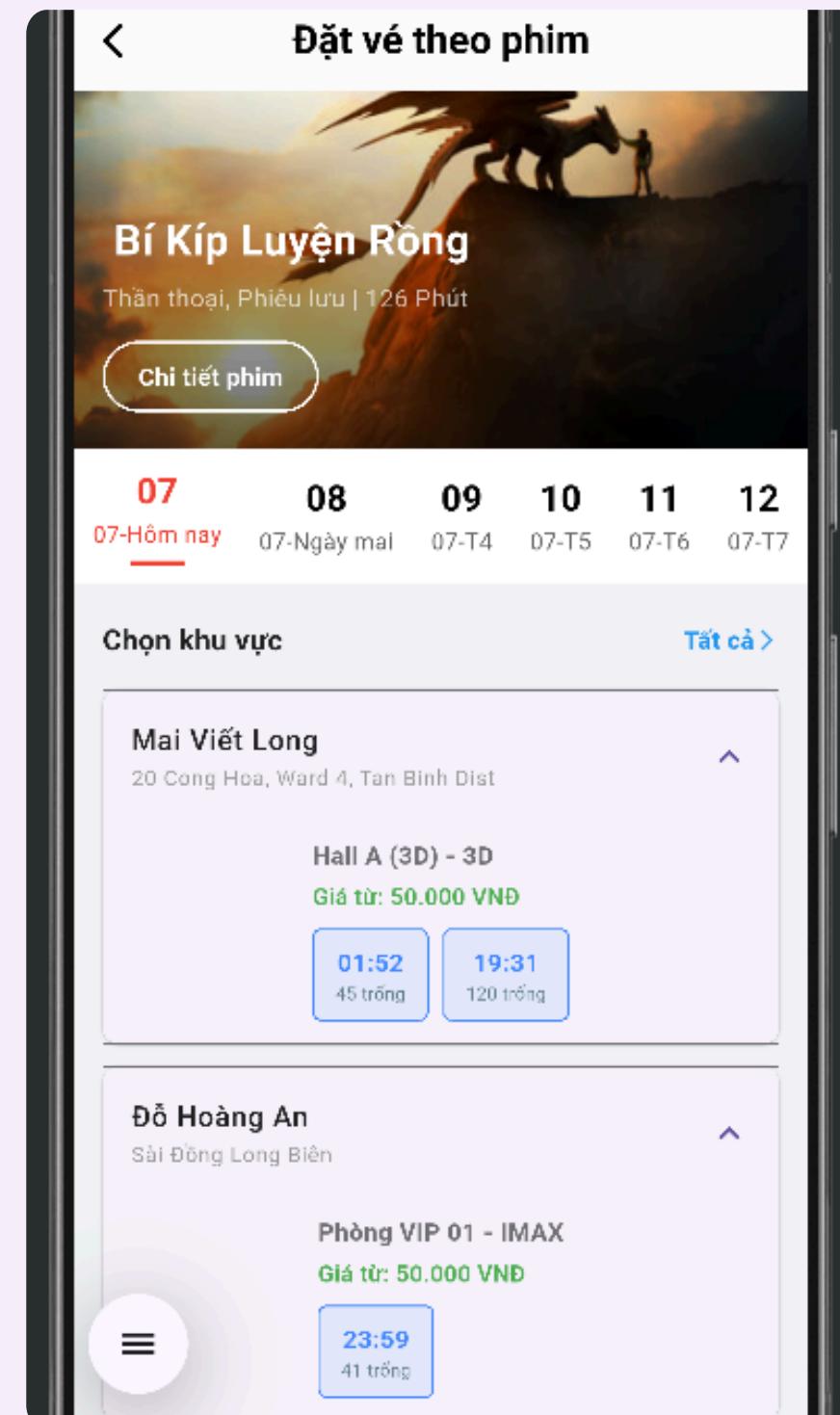
User interface

Movie status / Movie details / trailer



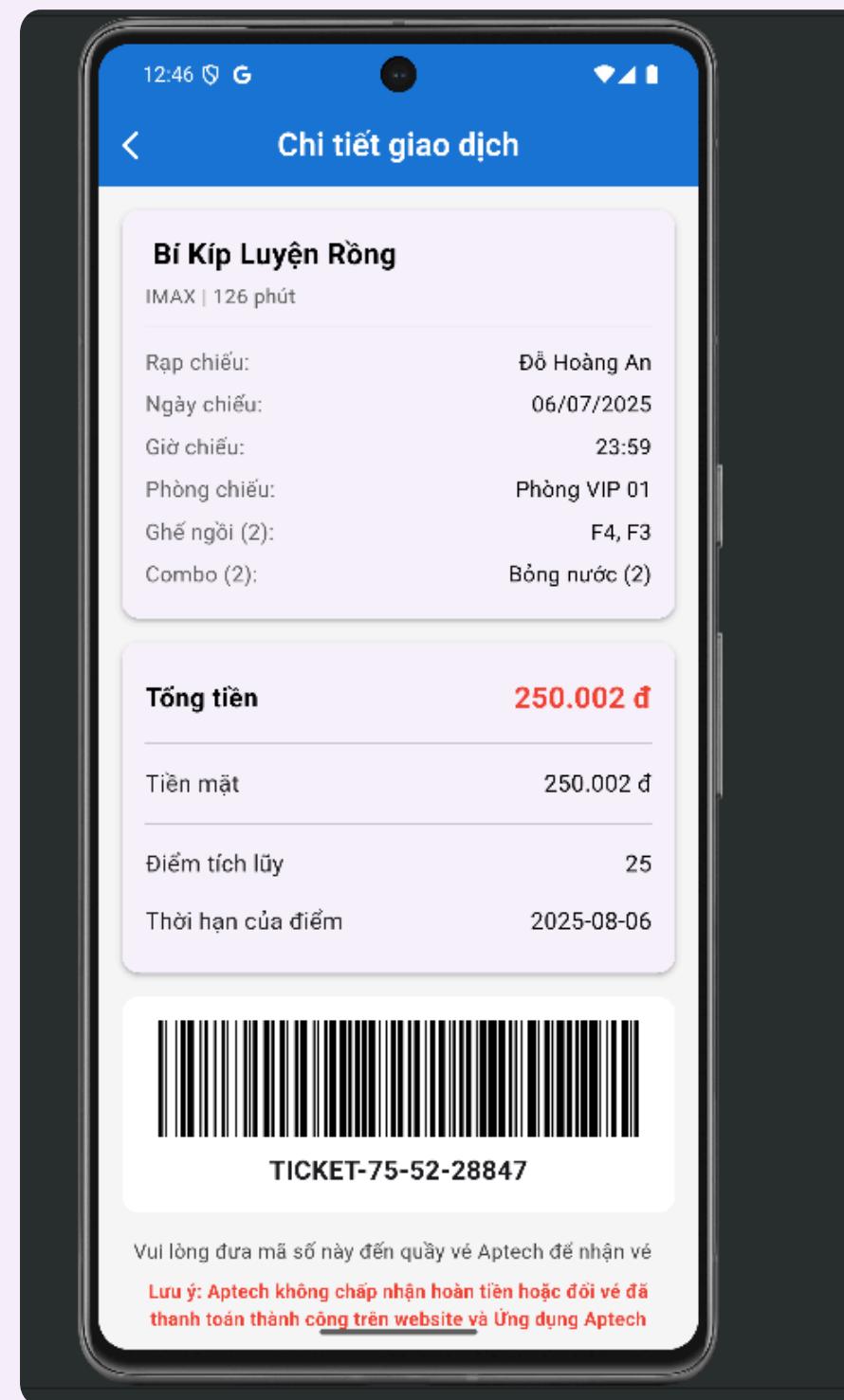
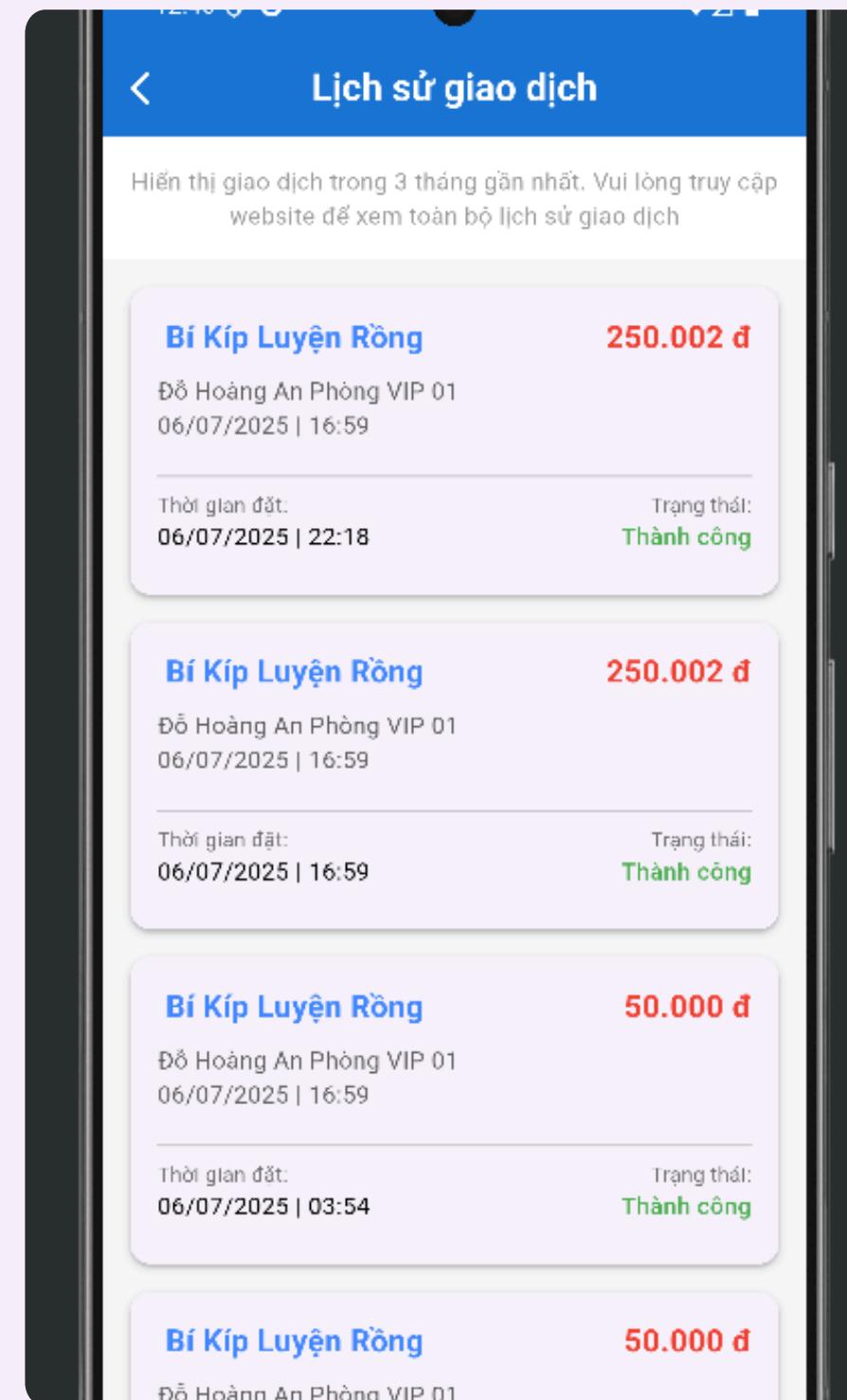
User interface

Book movie tickets / Reserve seats / Pay

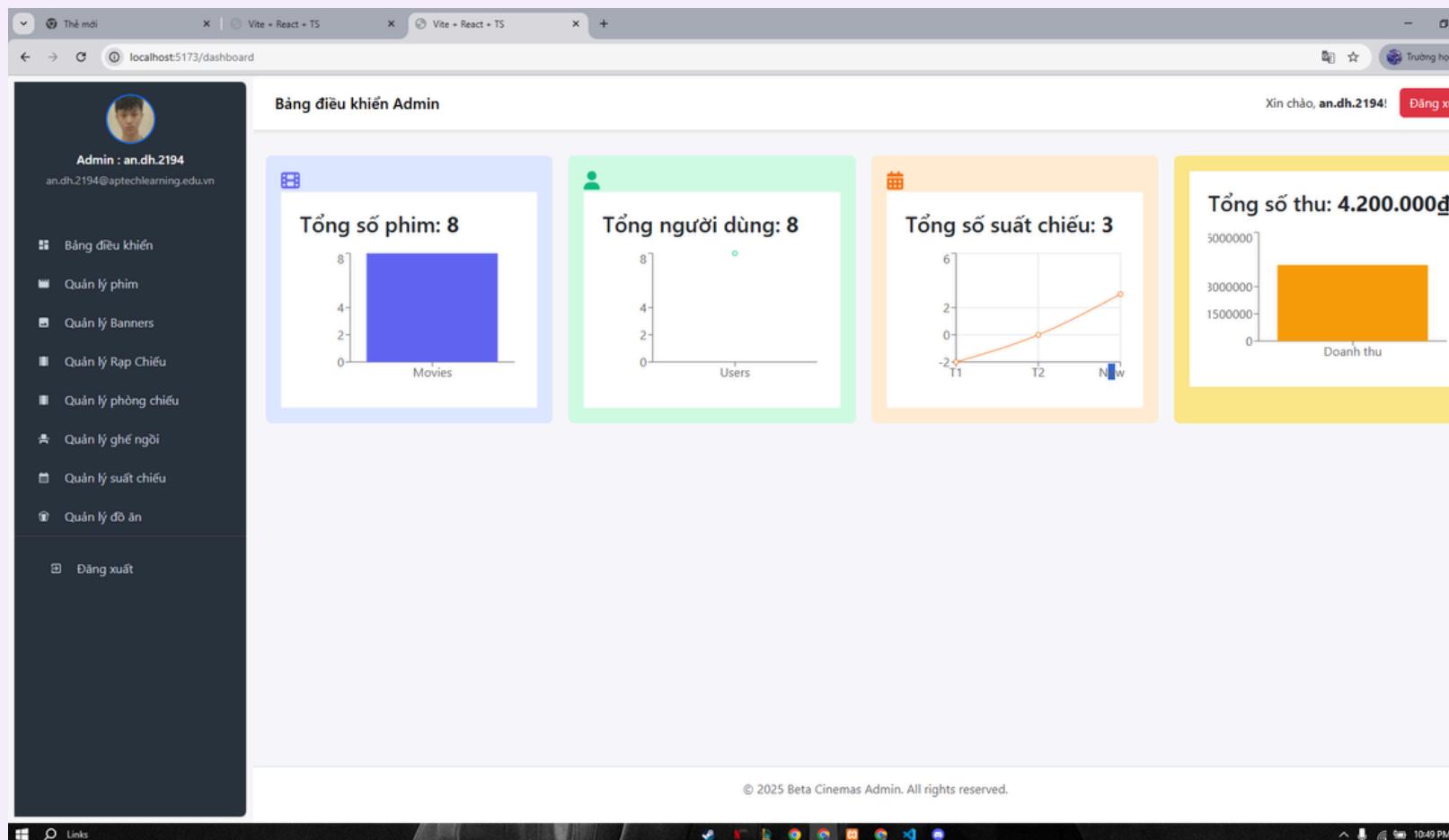


User interface

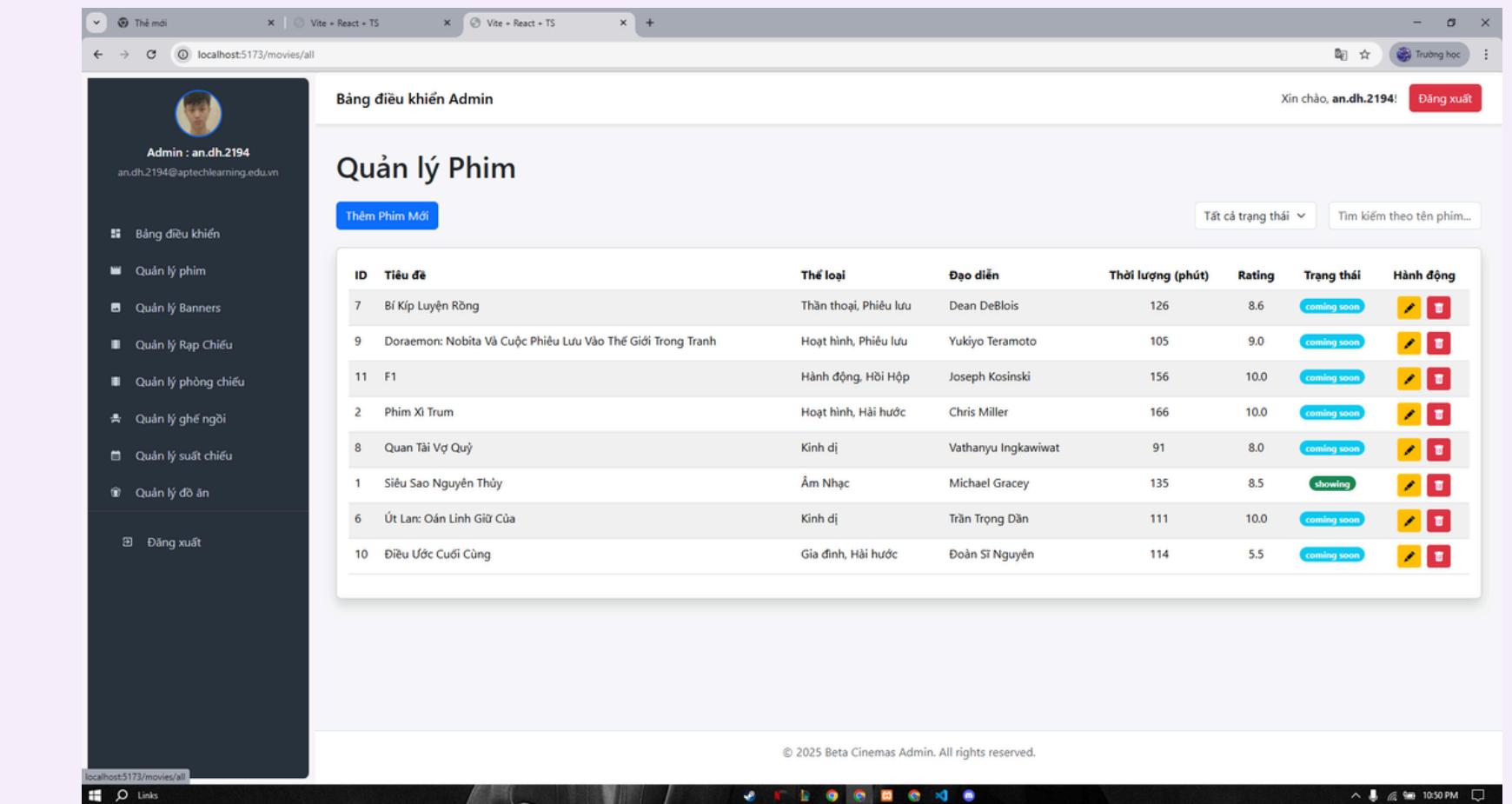
View transaction history / Transaction details



Admin Interface



Admin Revenue Report



Movie management

Admin Interface

The screenshot shows the 'Quản lý Suất Chiếu' (Screening Management) page. The left sidebar includes options like 'Bảng điều khiển', 'Quản lý phim', 'Quản lý Banners', 'Quản lý Rạp Chiếu', 'Quản lý phòng chiếu', 'Quản lý ghế ngồi', 'Quản lý suất chiếu', and 'Quản lý đồ ăn'. The main content area displays a table with columns: ID, Phim, Rạp - Phòng, Thời gian Bắt đầu, Thời gian Kết thúc, Giá cơ sở, Ghế còn lại, Đã đầy?, and Hành động. The table contains three rows of screening data.

ID	Phim	Rạp - Phòng	Thời gian Bắt đầu	Thời gian Kết thúc	Giá cơ sở	Ghế còn lại	Đã đầy?	Hành động
7	Bí Kíp Luyện Rồng	Mai Viết Long - Hall A (3D)	19:31 25/06/2025	21:37 25/06/2025	75000.00 VND	120	Không	
6	Bí Kíp Luyện Rồng	Đỗ Hoàng An - Phòng VIP 01	19:35 30/06/2025	20:36 20/07/2025	75000.00 VND	50	Không	
8	Điều Ước Cuối Cùng	Đỗ Hoàng An - Phòng VIP 01	19:31 25/07/2025	21:25 25/07/2025	75000.00 VND	120	Không	

Manage screenings

The screenshot shows the 'Quản lý Ghế ngồi' (Seat Management) page. The left sidebar includes options like 'Bảng điều khiển', 'Quản lý phim', 'Quản lý Banners', 'Quản lý Rạp Chiếu', 'Quản lý phòng chiếu', 'Quản lý ghế ngồi', 'Quản lý suất chiếu', and 'Quản lý đồ ăn'. The main content area displays a table with columns: ID Ghế, Hàng, Số, Loại, Vị trí X, Vị trí Y, and Hành động. The table contains one row of seat data, indicating a VIP seat in row A, seat 1.

ID Ghế	Hàng	Số	Loại	Vị trí X	Vị trí Y	Hành động
1	A	1	vip			

Seat management

Future Development Features

Multi-platform online payment

Integrate more payment gateways: Momo, ZaloPay, VNPay, Apple Pay, Google Pay...

Allows saving payment cards to buy tickets faster (1-touch).

Membership management & points accumulation

Membership ranking system (Silver/Gold/VIP)
Accumulate points when buying tickets → Free ticket exchange, popcorn, drinks, incentives
Personalize promotions based on booking history

Movie reviews and ratings

- Users can rate and write movie comments after watching
- Movie recommendations based on user behavior
- Show "favorite" and "highly rated" movies

Integrate coupons & promotions

- Allow to enter discount codes at checkout
- Send promotional codes on holidays, birthdays, special events

Real-time interaction

Get push notifications when new movies and shows are about to start

Real-time seat status updates
In-app customer support chat

Integrated 3D theater and seat maps

More realistic illustrations of seating positions
Easily select the desired areaD

Summary



Through the process of research and development, we have successfully completed the project and built a product that meets the initial requirements.

However, due to our limited knowledge and experience, the product inevitably still has certain shortcomings. We sincerely look forward to receiving valuable feedback from the instructors and fellow classmates to help us improve and further develop the product in the future. We would like to express our sincere gratitude for the attention and support from the instructors and teaching assistants throughout this project.

In particular, we would like to thank Mr. Hoàng, Ms. Mai, and all the classmates who supported and encouraged our team during the implementation of this project.





the
end

