<A BIDV based smart banking app>

Use-case Specification: <Book movie ticket online>

Version <1.0>

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <20/11/2022> | <1.0> | <Analyse and write usecase> | <Đàm Thị Linh> |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

1. Book movie ticket online 4

1.1 Brief Description 4

2. Flow of Events 4

2.1 Basic Flow 4

2.2 Alternative Flows 4

2.2.1 < First Alternative Flow > 4

2.2.2 < Second Alternative Flow > 5

3. Special Requirements 5

3.1 < First Special Requirement > 5

4. Preconditions 5

4.1 < Precondition One > 5

5. Postconditions 5

5.1 < Postcondition One > 5

6. Extension Points 5

6.1 <Name of Extension Point> 5

Use-Case Specification: Book movie ticket online

# Use-Case Name

## 1.1 Brief Description

This document describes the process of interactions between a user and the system to get a movie ticket booked at a specific cinema in a specific location.

# Flow of Events

## 2.1 Basic Flow

Step 1: The user clicks the ‘Book movie ticket’ icon on the shopping page

Step 2: The system displays a new page which contains one space for selecting the default ‘Cinema’ item on the menu bar, default location Hanoi is first displayed.

Step 3: The user selects a location.

Step 4: Corresponding to the location selected, some cinema groups are shown right below by the system.

Step 5: The user clicks on one of these cinema groups

Step 6: A list of specific cinemas is displayed as a drop-down menu.

Step 7: The user selects one cinema from that drop down menu.

Step 8: The system displays a new page with default ‘Now Showing’ movies. Below that, a list of movies appears with their poster, movie name, movie type, duration and a button to ‘Book now’.

Step 9: The user clicks on the ‘Book now’ button.

Step 10: The system displays the ‘showtimes’ with a timeline and its corresponding time slots, one day is selected as default.

Step 11:

11.1. The user chooses one day in 10 days provided

11.2. Click on one time slot

Step 12: The system displays a simulation of seats in the real cinema with occupied, selecting, standard, deluxe, VIP, couple, first class and sofa seat(s).

Step 13:

13.1. The user clicks on seat(s) that can be allowed by the system (not leave one empty seat between, not leave one empty leftmost or rightmost seat and not occupied)

13.2. The user clicks on the ‘Checkout’ button.

Step 14: The system displays the checkout page that shows the user’s contact and movie’s information and booking transaction. A discount space is also displayed in case the user has a discount code.

Step 15: The user clicks on the ‘Checkout’ button at the end of the page.

Step 16: The system displays the successful transaction message.

## 2.2 Alternative Flows

*2.2.1. <In step 4, no cinema is displayed>*

2.2.1.1 The user can choose another cinema group that has at least one cinema then continue as basic flow

2.2.1.2. The user click return arrow and stop booking movie ticket

*2.2.2. < In step 8, no movie is displayed>*

The user can click return arrow and choose another cinema from previous step or return and do again from step 2 or stop booking movie ticket

*2.2.3. <In step 9, the user clicks on poster to see movie information>*

2.2.3.1. After see movie information, the user can click return arrow to click ‘Book now’

If the user does this, the flow return to the basic flow from step 10

2.2.3.2. After see movie information, the user clicks on ‘Showtimes’ beside ‘Information’ on the right of the top menu then continues to do step 11

2.2.3.3. The user can click on ‘Book now’ button at the end of the current ‘Information’ page then continue step 11

*2.2.4. <In step 11, no time slot at the user’ selected day>*

The user can choose another day that has at least one time slot or redo the previous steps

*2.2.5. <In step 13, invalid seat selection>*

2.2.5.1. If user does not choose any seat, then a notification that ‘Please select seat(s)’ is displayed

2.2.5.2. If user chooses seat(s) that leave one empty seat between or leave one empty leftmost or rightmost, a corresponding notification is displayed

Then, user has to make another choice

*2.2.6. <From step 2, the user clicks on ‘Movie’ to choose movie first instead of specific cinema in default ‘Cinema’>*

The system displays a list of movies in the location selected.

2.2.6.1.

The user clicks on ‘Book now’ button

The system displays ‘Showtimes’ and location choosing space

The user chooses day and location

The system displays cinema groups

The user clicks on one cinema group

The system displays specific cinemas with time slot

The user chooses one suitable time slot

Then follow the basic flow from step 12.

2.2.6.2

The user clicks to poster

The system displays information of the movie

Then follow alternative flow 2.2.6.1

*2.2.7. <Any step, the user clicks on return arrow>*

The page is returned to the previous one with all user’s selection saved.

*2.2.8. <Cancel the transaction>*

Stop booking movie ticket online

# Special Requirements

## Imitation of the real cinema

3.1.1

The simulation (step 14) should be concise and the same as the real cinema as much as possible, specify that the seat is occupied or empty, single or couple, standard or VIP by color. From that, the occupied seat is disabled for the user to click on.

3.1.2

The couple seat will be ticked as chosen when the user clicks on one of the two

## On the ‘Showtimes’, 10 days will be displayed for the user to click on to see the movie with its time slots

## Location default

After step 1, Hanoi is set as a default location with its corresponding cinema groups. The user changes to her/his specific location if needed.

# Preconditions

## The user has to log in in advance

* 1. Enough money

The account of the user has to have at least the amount of money for both expense of the ticket price and the maintaining fee

# Postconditions

## 5.1 Basic flow

The system displays the successful transaction message. The tickets are booked successfully, and the transaction is saved to the database.

* 1. Alternative flow, return

The system returns to the home page. No transaction is conducted.

# Extension Points

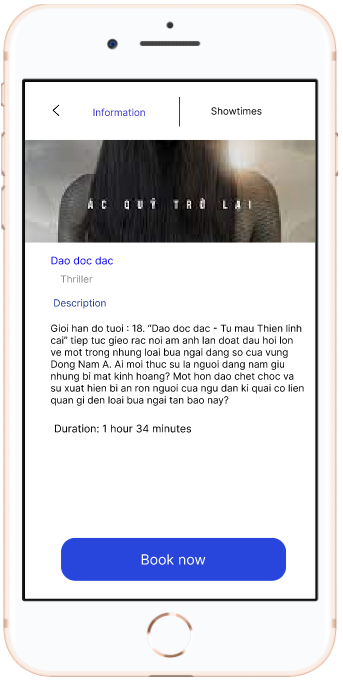
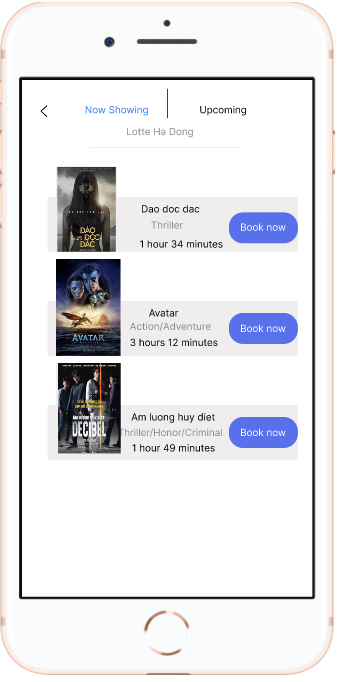
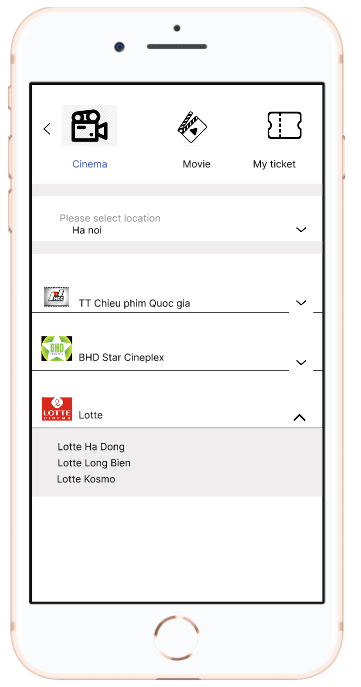
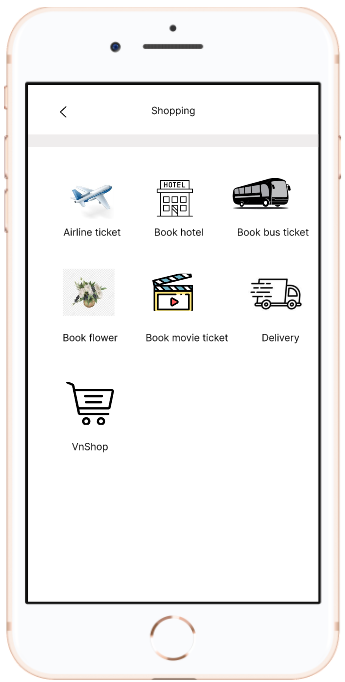
## 6.1 ‘My ticket’

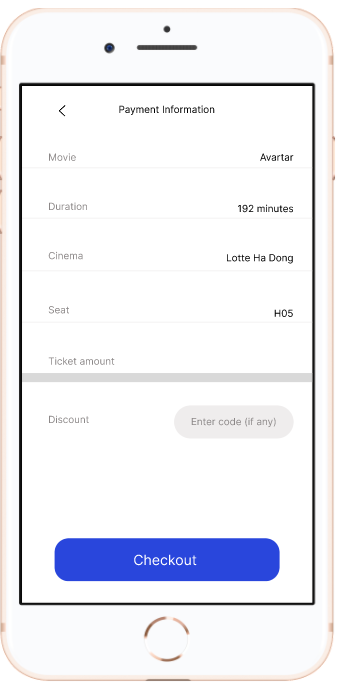
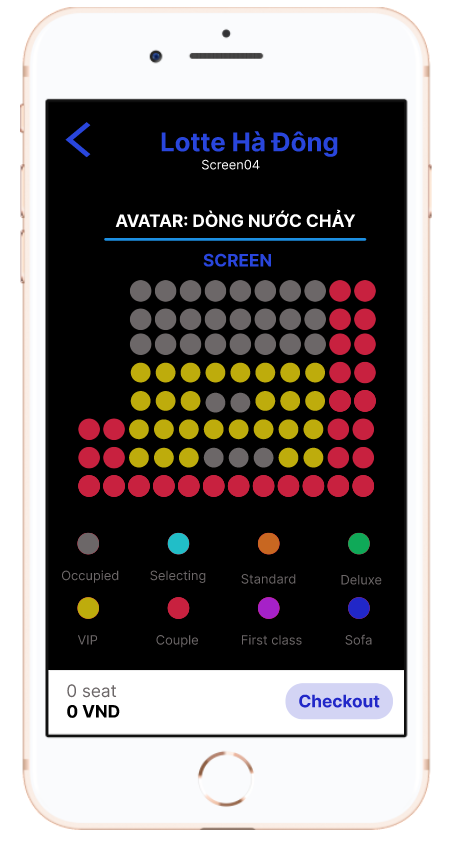
After step 1 or after finishing movie ticket booking, the user can click on ‘My ticket’ to see her/his transaction history for the last 2 months.

* 1. ‘Upcoming’

After step 8, user can click on ‘Up coming’ to see movies that will be showed in the near future

1. **Prototype**

**

**