

MOVIE TICKET 2 FEE



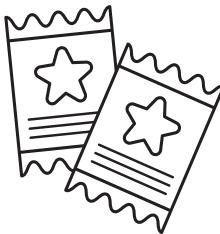
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MOVIE TICKET 2 FEE

About Us

We are the most comprehensive movie ticket application that you can choose two type of seat from every movie in every movie theater.

WHAT CAN WE DO

- We comprehensive to every theater
- We have every movie choice
- We have two different types of seat
- Fastest update real-time available seat
- Welcome credit card and cryptocurrency
- We open 24 hrs.
- You can buy a ticket everywhere

APP REQUIREMENTS

- User ages 13+
- Creditcard or cryptocurrency that valid
- android 9+
- IOS 11+

MEDIA REACH



10,348
followers



8,750
followers



15,376
followers



10,980
views per week

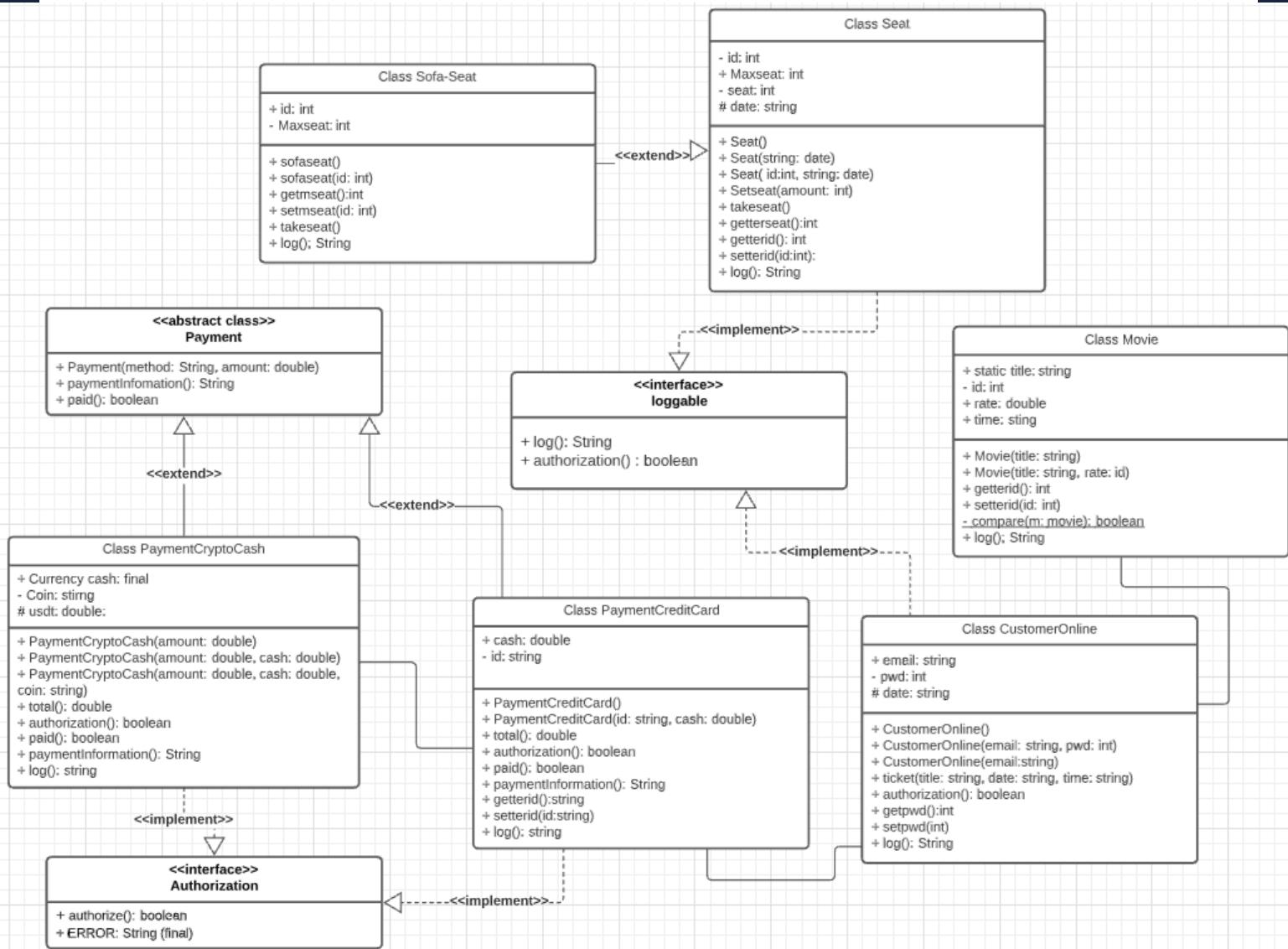
Classes and Interfaces

Classes	Description
Seat	The Seat class has a variable and methods of the general customer. it's uses as a actual seat.
Sofaseat	The Sofaseat class has extended from the seat class. It's is a VIP seat that means, It has an expensive than normal.
Payment	The Payment class is a abstractclass.
Payment CreditCard	The PaymentCreditCard class is use to create a instance object PaymentCrreditCard with it's properties and methods.
Patment Crypto	The PatmentCrypto class is use to create a instance object PaymentCrreditCard with it's properties and methods.
Custumer Online	The CustomerOnline class implements loggable to use an print method which have everything in it.
Movie	The Movie class is used to store the movie list and show them on screen.

Classes and Interfaces

Interface	Description
loggable	The loggable interface has a method to make information to string and another boolean method to compare data
Authorization	The Authorization interface has a boolean method to make compare data

UML Diagram



API Document

Interface loggable

Methods

Modifier and type	Description
public string	<p>log()</p> <ul style="list-style-type: none">• this method is invoking the whole information of that class and return it as a string <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public boolean	<p>authorization()</p> <ul style="list-style-type: none">• this method is invoking the variable which is about the authorized of information and return true if that info is valid. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Interface Authorization

Methods

Modifier and type	Description
public boolean	<p>authorization()</p> <ul style="list-style-type: none">• this method is invoking the variable which is about the authorized information and return true if that info is valid. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class seat

Public class seat

Class Description: the class seat contains variables and methods for representing an actual seat of theatre.

Constructor and Description

Constructors	Description
Seat()	Construct a new seat object with default variable; id = 0, seat = 0
Seat(string date)	Construct a new seat object with fix date varible.
Seat(int id, string date)	Construct a new seat object with fix id and date varible.

Methods

Modifier and type	Description
public void	<p>setseat(int amount)</p> <ul style="list-style-type: none">• this method is invoking to reset the seat variable when it's a VIP theatre. <p>Parameters</p> <ul style="list-style-type: none">• amount - the amount number available of seat <p>Throws</p> <ul style="list-style-type: none">• none
public void	<p>takeseat()</p> <ul style="list-style-type: none">• this method is invoking to reduce the seat variable when the seat is greater than '0'. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class seat

Methods

Modifier and type	Description
public int	<p>getterseat()</p> <ul style="list-style-type: none">• this method is invoking the seat variable which is a private variable to return it <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public int	<p>getterid()</p> <ul style="list-style-type: none">• this method is invoking the id variable which is a private variable to return it <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public void	<p>setterid(int id)</p> <ul style="list-style-type: none">• this method is invoking the id variable to set a new value of it <p>Parameters</p> <ul style="list-style-type: none">• id - set new value of id variable <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class seat

Methods

Modifier and type	Description
public string	<p>log()</p> <ul style="list-style-type: none">• this method is invoking whole varible of this class and return the infomaton sa a string <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class sofaseat

Public class sofaseat extends seat

Class Description: the class seat contains variables and methods for representing an instance object safaseat extend from seat.

Constructor and Description

Constructors	Description
sofaseat()	Construct a new sofaseat object with default variable; id = 0
sofaseat(int id)	Construct a new sofaseat object with fix id varible.

Methods

Modifier and type	Description
public void	<p>takeseat()</p> <ul style="list-style-type: none">• this method is invoking to reduce the seat variable when the seat is greater than '0'. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public string	<p>log()</p> <ul style="list-style-type: none">• this method is invoking the whole variable of this class and return the infomaton as a string <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class sofaseat

Methods

Modifier and type	Description
public int	<p>getmseat()</p> <ul style="list-style-type: none">• this method is invoking the seat variable which is a private variable to return it <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public void	<p>setmseat(int id)</p> <ul style="list-style-type: none">• this method is invoking the maxseat variable to set a new value of it <p>Parameters</p> <ul style="list-style-type: none">• id - the coutomer new id of sofa seat. <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class Movie

Public class movie

Class Description: The Movie class is used to store the movie list and show them on screen.

Constructor and Description

Constructors	Description
Movie(String title)	Construct a new movie object with fix title variable.
Movie(String title, id rate)	Construct a new movie object with fix title and rate variable.

Methods

Modifier and type	Description
public int	<p>getterid()</p> <ul style="list-style-type: none">• this method is invoking the movie id variable which is a private variable to return it <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public void	<p>setterid(int id)</p> <ul style="list-style-type: none">• this method is invoking to reset the movie id variable. <p>Parameters</p> <ul style="list-style-type: none">• id - the new value of movie id <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class Movie

Methods

Modifier and type	Description
public string	<p>log()</p> <ul style="list-style-type: none">• this method is invoking the whole variable of this class and return the infomaton as a string <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public static boolean	<p>compare(Movie m)</p> <ul style="list-style-type: none">• this method is bring the movie to compare other movie by id and return true if this movie is greater than m movie <p>Parameters</p> <ul style="list-style-type: none">• Movie m <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class CustomerOnline

Public class CustomerOnline

Class Description: the class CustomerOnline contains variables and methods for making movie ticket from another class information.

Constructor and Description

Constructors	Description
CustomerOnline()	Construct a new customeronline object with default variable; email = 0, pwd = 0
CustomerOnline(String email)	Construct a new customeronline object with fix email varible.
CustomerOnline(String email,Int pwd)	Construct a new customeronline object with fix email and pwd varible.

Methods

Modifier and type	Description
public void	<p>ticket (string title,string date,string time)</p> <ul style="list-style-type: none">• this method is to get a movie ticket and set movie title date and time in movie ticket <p>Parameters</p> <ul style="list-style-type: none">• string title - Name of the movie• string date-Day that the movie show• string time-Time that Movie show <p>Throws</p> <ul style="list-style-type: none">• none
public String	<p>authorization()</p> <ul style="list-style-type: none">• this method is invoking to check the email and pwd <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• ErrorException – if the cash is less than the amount.

API Document

Class CustomerOnline

Methods

Modifier and type	Description
public int	<p>getpwd()</p> <ul style="list-style-type: none">• this method is invoking the seat variable which is a private variable to return it <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• ErrorException – if the cash is less than the amount.
public int	<p>setpwd(int pwd)</p> <ul style="list-style-type: none">• this method is invoking to reset the pwd variable. <p>Parameters</p> <ul style="list-style-type: none">• pwd - the new value of movie pwd <p>Throws</p> <ul style="list-style-type: none">• none
public String	<p>log()</p> <ul style="list-style-type: none">• this method is invoking the whole variable of this class and return the infomaton asa a string <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class Payment

Abstract class Payment

Class Description: The Payment class is a abstractclass.

Constructor and Description

Constructors	Description
Payment(method: String, amount: double)	<ul style="list-style-type: none">Construct a new payment object with fix method and amount varible.

Methods

Modifier and type	Description
public String	<p>paymentinformation()</p> <ul style="list-style-type: none">this method is invoking to get the customer payment information. <p>Parameters</p> <ul style="list-style-type: none">none <p>Throws</p> <ul style="list-style-type: none">none
public boolean	<p>paid()</p> <ul style="list-style-type: none">this method is invoking to the payment are already paid or not. <p>Parameters</p> <ul style="list-style-type: none">none <p>Throws</p> <ul style="list-style-type: none">none

API Document

Class PaymentCreditCard

Public class PaymentCreditCard extends payment

Class Description: The PaymentCreditCard class is use to create a instance object PaymentCrreditCard with it's properties and methods.

Constructor and Description

Constructors	Description
PaymentCreditCard()	<ul style="list-style-type: none">Construct a new credit card payment object with default variable; id = 0, cash = 0.
PaymentCreditCard (id: String, cash: double)	<ul style="list-style-type: none">Construct a new credit card payment object with fix id and cash varible.

Methods

Modifier and type	Description
public String	<p>total()</p> <ul style="list-style-type: none">this method is invoking to get total payment. <p>Parameters</p> <ul style="list-style-type: none">none <p>Throws</p> <ul style="list-style-type: none">none

API Document

Class PaymentCreditCard

Methods

Modifier and type	Description
public String	<p>authorization()</p> <ul style="list-style-type: none">• this method is invoking to check the credit card payment information. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• ErrorException – if the cash is less than the amount.
public boolean	<p>paid()</p> <ul style="list-style-type: none">• this method is invoking the credit card payment are already paid or not. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public String	<p>paymentinformation()</p> <ul style="list-style-type: none">• this method is invoking to get the customer credit card information. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class PaymentCreditCard

Methods

Modifier and type	Description
public int	<p>getterid()</p> <ul style="list-style-type: none">• this method is invoking the credit card id variable which is a private variable to return it <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public void	<p>setterid(id)</p> <ul style="list-style-type: none">• this method is invoking to reset the credit card id variable. <p>Parameters</p> <ul style="list-style-type: none">• id - the new value of credit card id <p>Throws</p> <ul style="list-style-type: none">• none
public string	<p>log()</p> <ul style="list-style-type: none">• this method is invoking whole varible of this class and return the infomaton sa a string <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class PaymentCrypto

Public class PaymentCrypto extends payment

Class Description: The PaymentCrypto class is used to create a instance object PaymentCrreditCard with it's properties and methods.

Constructor and Description

Constructors	Description
PaymentCryptoCash (amount: double)	<ul style="list-style-type: none">Construct a new crypto cash payment object with fix amount variable.
PaymentCryptoCash (amount: double, cash: double)	<ul style="list-style-type: none">Construct a new crypto cash payment object with fix amount and cash variable.
PaymentCryptoCash (amount: double, cash: double, coin: String)	<ul style="list-style-type: none">Construct a new crypto cash payment object with fix amount, cash and coin variable.

Methods

Modifier and type	Description
public String	<p>total()</p> <ul style="list-style-type: none">this method is invoking to get total payment. <p>Parameters</p> <ul style="list-style-type: none">none <p>Throws</p> <ul style="list-style-type: none">none

API Document

Class PaymentCrypto

Methods

Modifier and type	Description
public String	<p>authorization()</p> <ul style="list-style-type: none">• this method is invoking to check the crypto payment information. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• ErrorException – if the cash is less than the amount.
public boolean	<p>paid()</p> <ul style="list-style-type: none">• this method is invoking the crypto payment are already paid or not. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none
public String	<p>paymentinformation()</p> <ul style="list-style-type: none">• this method is invoking to get the customer crypto information. <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

API Document

Class PaymentCrypto

Methods

Modifier and type	Description
public string	<p>log()</p> <ul style="list-style-type: none">• this method is invoking whole variable of this class and return the infomaton sa a string <p>Parameters</p> <ul style="list-style-type: none">• none <p>Throws</p> <ul style="list-style-type: none">• none

UI

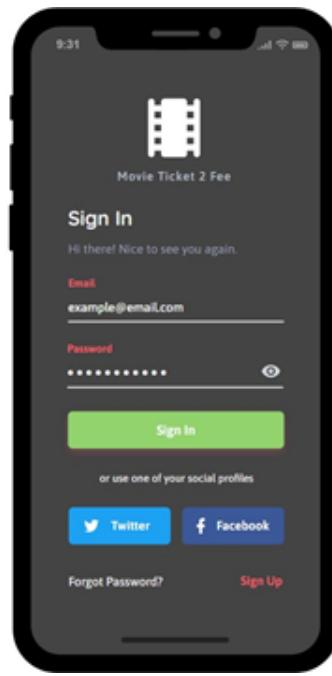


Figure1: The web application for sign in your account but if you don have any account, you can click sign up to register the new account.

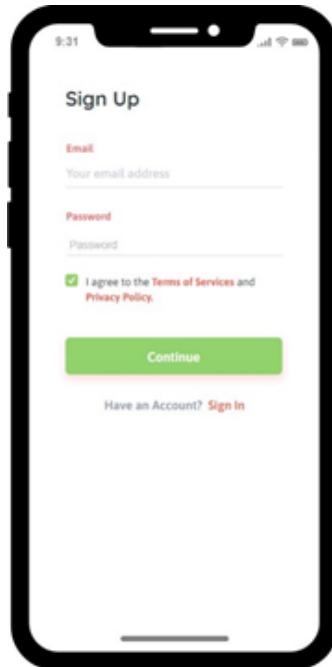


Figure2: After clicking signs up in Figure1, the web application for sign up for a new account will pop up for customers to register a new account.

UI

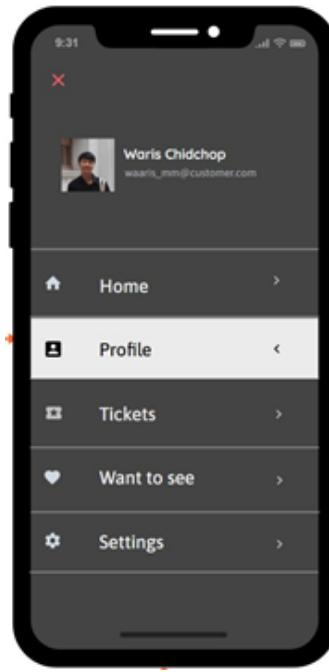


Figure3: After sign in at Figure1 or sign up for a new account in Figure2 the web application will show your profile interface

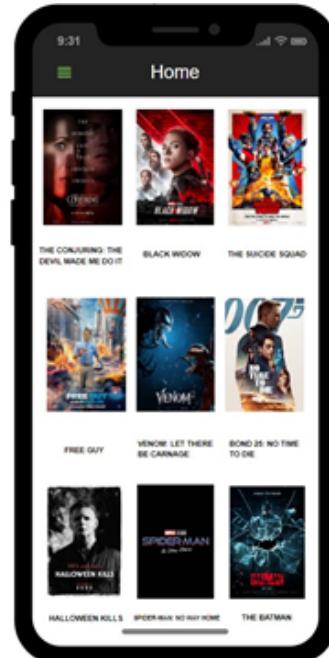


Figure4: After click "Home" in Figure3 the result showing the Home interface. This page will show the movie that now showing in the theater.

UI



Figure5: When you selected a movie that you want to watch in Figure4, you can select your seat at the seat icon. This Figure will show seat price and show available seats in real-time.

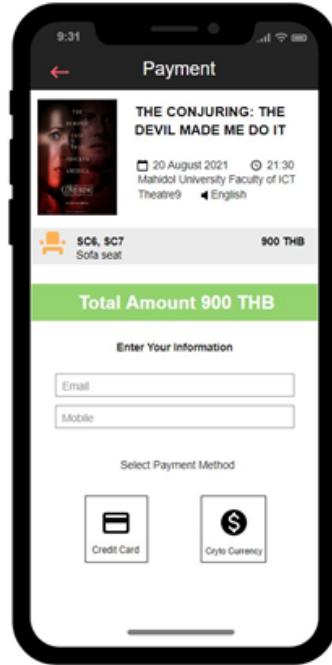


Figure6: After selecting your seat and click the checkmark in Figure5 will go to the payment interface to select your payment method and fill in your information to getting tickets.

UI

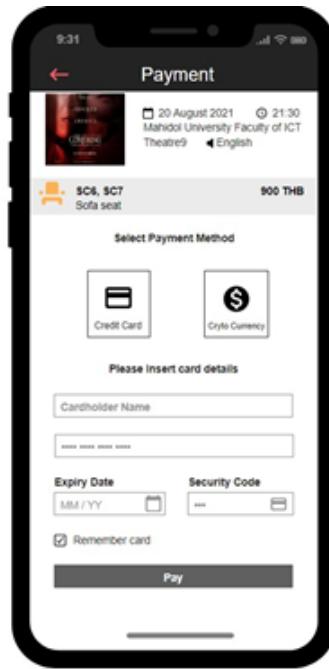
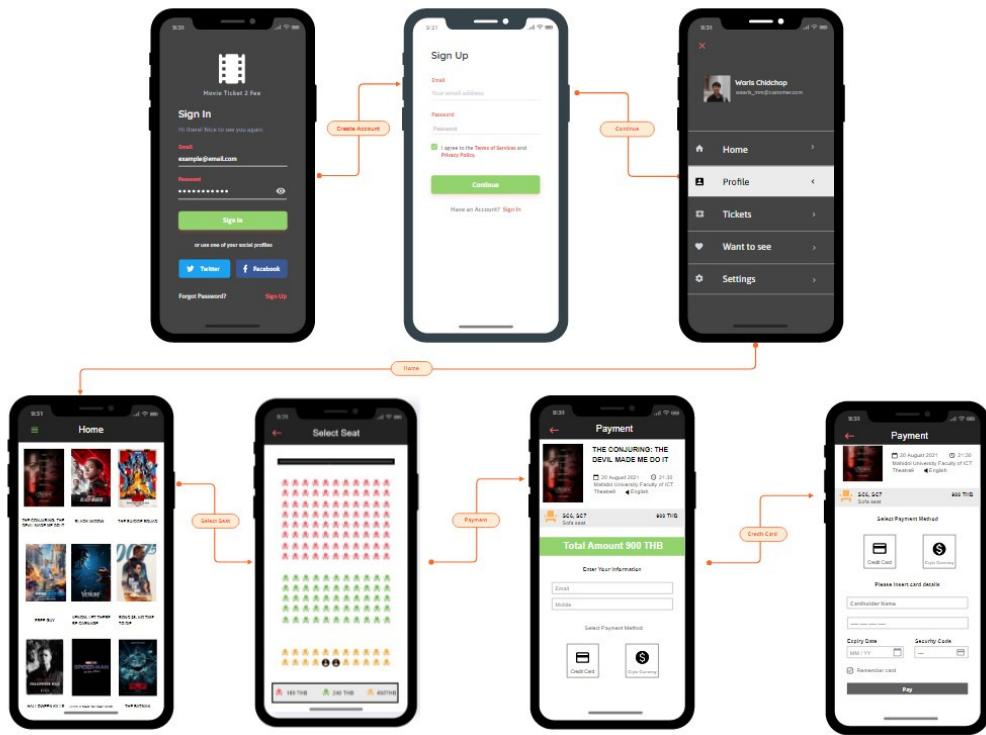


Figure7: If you choose payment by credit card in Figure6 the payment page will show up to fill in your credit card information.



- ITCS209 Object Oriented Programming -

Project 3: Object Oriented Design in real world application