

1. Recommendation/information section (13-15)

1.1 Use Case Description

1.1.A. Use Case 13: View license information

Use Case Name: View license information	ID: 13	Importance Level: Low
Primary Actor: Customer		Use Case Type: Detail, Essential
Stakeholders and Interests: <ul style="list-style-type: none">• Customer: Wants to know information what fishing license in the state that they're booking trip in.• Guidebook Pro: Making sure customer is informed on licensing policies.		
Brief Description: This use case describes how customers can view licensing information about the state trip they're booking on.		
Trigger: Customer wanting to know if they will be needing a fishing license Type: External		
Relationships: <ul style="list-style-type: none">Association: CustomerInclude:Extend: View Recommended housing linkGeneralization: Recommendation/Information section		
Normal Flow of Events: <ol style="list-style-type: none">1. Customers enter invite code2. Customer will have the option to Sign Up/Log In3. Customer will click on licenses section4. Customer will be presented with information on licensing		
Sub Flows: <ul style="list-style-type: none">• None Identified		
Alternate/Exceptional Flows: <ol style="list-style-type: none">1a. Customer choosing a different based licensing law in another state2a. Customer cancelling trip due to not obtaining a license		

1.1.B. Use Case 14: View/Look at the recommended housing link

Use Case Name: View/Look at the recommended housing link	ID: 14	Importance Level: Low
Primary Actor: Customer	Use Case Type: Detail, Essential	
Stakeholders and Interests: <ul style="list-style-type: none">• Customer: Will be able to click on recommended link to add on housing for their trip• Guidebook Pro: Will provide useful link to different housing near the area of trip for customer		
Brief Description: This use case describes how customers will be able to view recommended housing while checking out to add on to their trip.		
Trigger: Customers click on recommended housing while checking out trip Type: External		

<p>Relationships:</p> <p>Association: Customer</p> <p>Include: View licensing information</p> <p>Extend: Choosing Half/Full day for trip</p> <p>Generalization: Recommendation/Information section</p>
<p>Normal Flow of Events:</p> <ol style="list-style-type: none"> 1. Customers enter invite code 2. Customer will have the option to Sign Up/Log In 3. Customer will have the choice to book a trip 4. Customer will choose the day their trip will be 5. Customer will proceed with the trip process and before checking out housing recommendation will be asked.
<p>Sub Flows:</p> <ul style="list-style-type: none"> • None Identified
<p>Alternate/Exceptional Flows:</p> <ol style="list-style-type: none"> 1a. Customer have wrong invite code and can't enter website. 2a. Customer unable to log in due to wrong information. 3a. Customer unable to choose trip due to limited access. 4a. Customer unable to choose recommended housing due to lack of sponsorship on guidebook part.

1.1.C. Use Case 15: Select Half/Full Day

Use Case Name: Select Half/Full Day	ID: 15	Importance Level: High
Primary Actor: Customer		Use Case Type: Detail, Essential
Stakeholders and Interests: <ul style="list-style-type: none">• Customer: will be able to select if they want a half/full day trip• Guidebook Pro: will be able to provide customer a half/full day trip		
Brief Description: This use case describes how a customer will have the choice to choose a half/full day trip		
Trigger: Customer will select half or full day trip Type: External		
Relationships: Association: Customer Include: Selecting a trip Extend: View/Look at recommendation Generalization: Recommendation/Information section		
Normal Flow of Events: <ol style="list-style-type: none">1. Customers enter invite code2. Customer will have the option to Sign Up/Log In3. Customers select a trip4. Customer will select a day5. Customer will select a half/full day		


Sub Flows:
<ul style="list-style-type: none"> None Identified
Alternate/Exceptional Flows:
1a. Customer have wrong invite code and can't enter website. 2a. Customer unable to log in due to wrong information. 3a. Customer unable to choose trip due to limited access. 4a. Customer unable to choose half/full day trip.

1.2 Associated System Requirements and Trace Matrix:

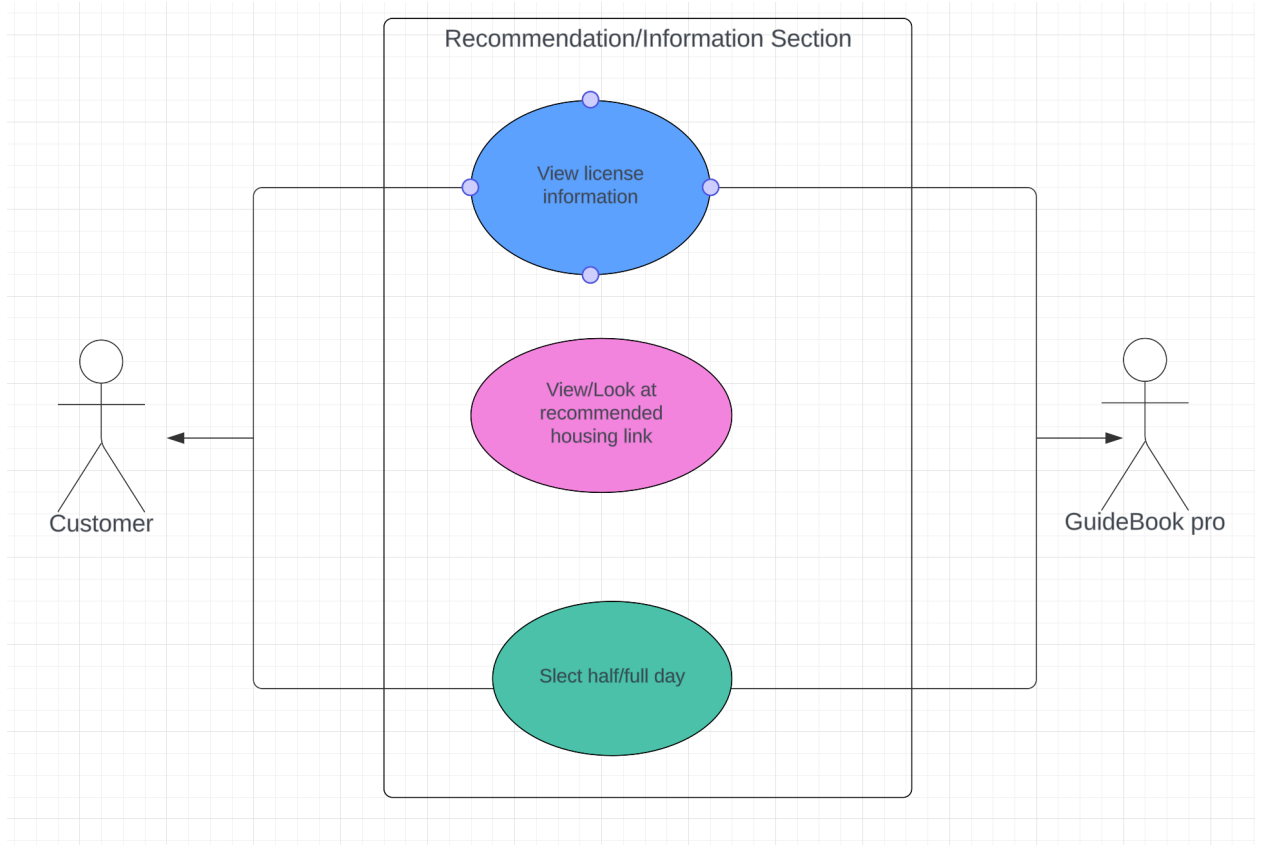
1.2.A. System Requirements

- ID: SR032 – Allow users to view licenses they require for the specific trip they chose.
- ID: SR033 – Display link to recommended housing.
- ID: SR018 – Allow access to book a trip based on the desired guide

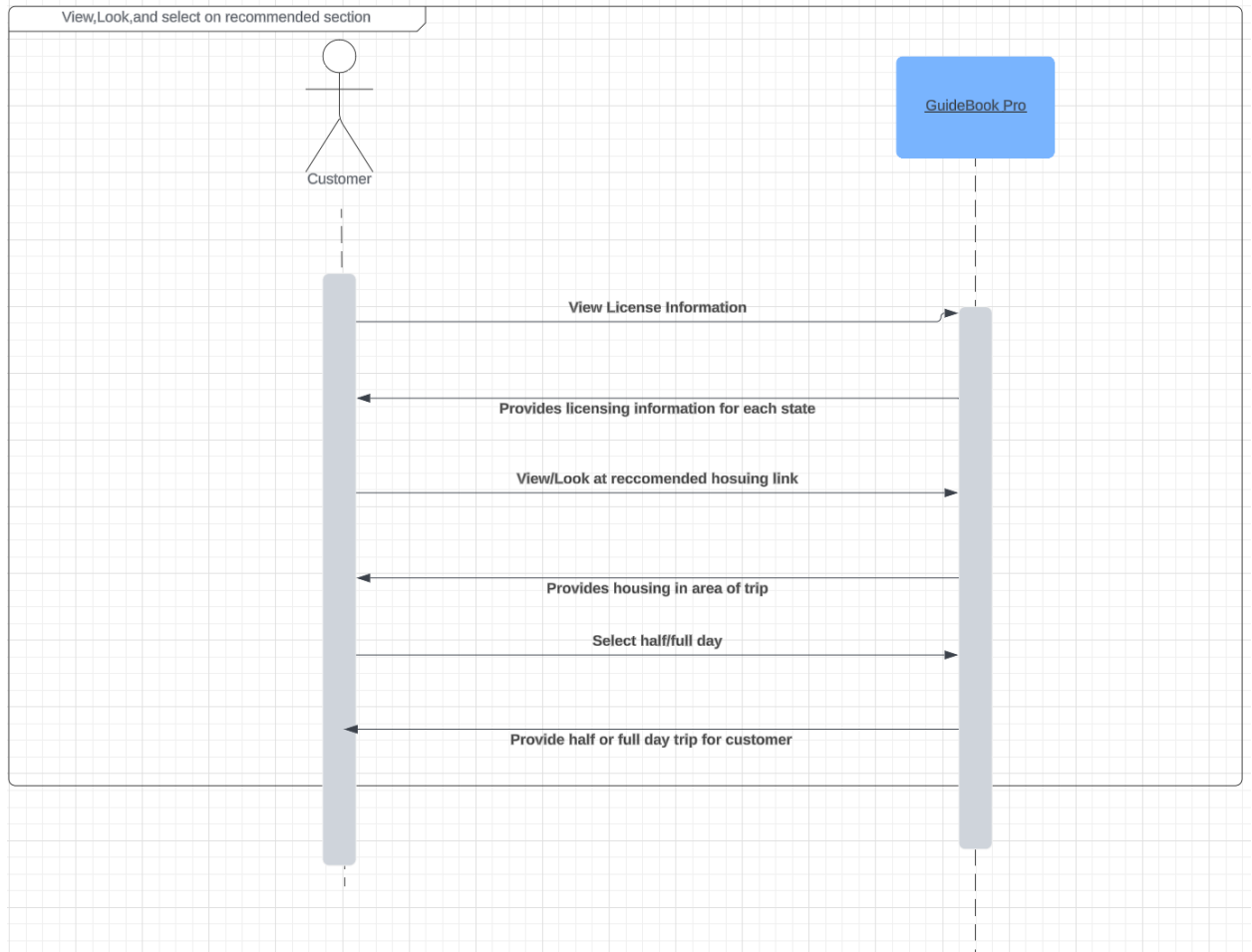
1.2.B Trace Matrix

 Trace Matrix	View license information	Look at the recommended housing link	Select Half/Full day
System Requirements	x		
ID: SR032 – Allow users to view licenses they require for the specific trip they chose.			
ID: SR033 – Display link to recommended housings.		x	
ID: SR018 – Allow access to book a trip based on the desired guide			x

1.3 Use Case Diagram



1.4 Sequence Diagram



1.5 Prototypes

1.5.A View Licensing Information

[Purchase a Fishing License](#)

[Buying a fishing license](#) is quick, easy and directly contributes toward conservation efforts. In most states, licenses can be purchased online, by phone or at retail establishments.

Get a Fishing License Online



Select a State to get a fishing license online.

Select a State

1.5.B View/Look at recommended housing link

< Request to book

Your trip

Full day out of Flamingo Everglades National Park - Full Day

Dates

Mar 16, 2024 - 8:00 AM - 5:00 PM EDT

People

1

Pay Deep South Fishing Charters

\$874.95



Full Day

Full day out of Flamingo Everglades National Park

\$850.00

Credit Card Fee

\$24.95

Email

Enter payment details

Card information

1234 1234 1234 1234

VISA

MM / YY

CVC

Cardholder name

Full name on card

Country or region

United States

ZIP

1.5.C Select Half/Full Day

Guide Book

TOP SPECIES

TOP DESTINATION

GUIDE HIGHLIGHT

BLOG

LICENSING

FAQ

Trip Type

Boat / Float


Meeting Location

Elizabethton, Tennessee, USA


Destination Location

Elizabethton, Tennessee, USA

Target Species




Rainbow Trout



Brown Trout

Full day, tailwater trip. All inclusive - lunch and all equipment needed is included. The only items not provided is rain gear and TN fishing license. - One-on-one, private instruction with a fly fishing expert - Can be tailored to all levels of fly fishing experience - Premium quality rod & reel use included - Leaders, tippet, and flies included - All guides are CPR and first aid certified - Available for corporate events and retreats - Customize a trip for any amount of time - All skill levels are welcomed

What is included



Food: All Meals

What to bring

Select a Trip Option

Full Day

Base Price: \$550.00

Maximum Capacity: 2

Duration: 1 day

End Time: 05:00 PM EST

People Included: 2

Additional Cost per Person: \$550.00

Start Time: 08:00 AM EST

Half Day

Base Price: \$400.00

Maximum Capacity: 2

Duration: 1 day

End Time: 12:00 PM EST

People Included: 2

Additional Cost per Person: \$550.00

Start Time: 08:00 AM EST

Number of People

1

Book Now

Credit card fee

\$16.25

Total

\$566.25

2. Payment information through stripe (16-18)

2.1 Use Case Descriptions:

2.1.A. Use case 16: Enter Payment Information

Use Case Name: Enter Payment Information	ID: 16	Importance Level: High		
Primary Actor: Customer	Use Case Type: Detail, Essential			
Stakeholders and Interest: <ul style="list-style-type: none"> Customer: Be able to enter in payment information for trips Guidebook Pro: Be able provide a safe payment system for customer to enter their payment information 				
Brief Description: This use case describes how guidebook will be able to provide customers with a safe payment system for them to enter their payment information.				
Trigger: After selecting a trip date user will be prompted to click on "Book Now". Type: External				
Relationships: <div> Association: Customer Include: Extend: Enter payment information after clicking "Book Now". Generalization: Payment Information through stripe </div>				
Normal Flow of Events: <ol style="list-style-type: none"> Customers enter invite code Customer will have the option to Sign Up/Log In Customer will select trip under species, destination, or guides Customer will select a date for the trip 				

5. Customer will select half/full day 6. Customer will select “Book Now”. 7. Customer will be prompted to enter payment information
Sub Flows: <ul style="list-style-type: none"> None Identified
Alternate/Exceptional Flows: <ol style="list-style-type: none"> 1a. Customer have wrong invite code and can’t enter website. 2a. Customer unable to log in due to wrong information. 3a. Customer is unable to select a date due to limited availability. 4a. Customer unable to choose trip due to limited access. 5a. Customer unable to choose half/full day trip. 6a. Customer unable to enter payment information due to system failure.

2.1.B. Use Case 17: Edit Payment Information

Use Case Name: Edit Payment Information	ID:17	Importance Level: High
Primary Actor: Customer		Use Case Type: Detail, Essential
Stakeholders and Interests: <ul style="list-style-type: none">Customer: Be able to edit their payment information if there's a mistake or payment update needed.Guidebook: Be able to give options to customers to edit their payment information.		
Brief Description: This use case describes how guidebook will allow their customers to have the ability to edit their payment information.		
Trigger: Customer will select "Edit payment information" in checkout section Type: External		
Relationships: <ul style="list-style-type: none">Association: CustomerInclude: Enter Payment InformationExtend: Delete Payment InformationGeneralization: Payment Information through stripe		
Normal Flow of Events: <ol style="list-style-type: none">Customers enter invite code.Customer will have the option to Sign Up/Log InCustomer will select trip under species, destination, or guides.Customer will select a date for the trip.Customer will select half/full day.Customer will select "Book Now".Customer will be prompted to enter payment information.Customer will have option to edit payment information.		
Sub Flows: <ul style="list-style-type: none">None Identified		
Alternate/Exceptional Flows: <ol style="list-style-type: none">1a. Customer have wrong invite code and can't enter website.		

- 2a. Customer unable to log in due to wrong information.
- 3a. Customer is unable to select a date due to limited availability.
- 4a. Customer unable to choose trip due to limited access.
- 5a. Customer unable to choose half/full day trip.
- 6a. Customer unable to enter payment information due to system failure.
- 7a. Customer unable to edit payment information due to system failure.

2.1.C. Use Case 18: Delete Payment Information

Use Case Name: Delete Payment Information	ID: 18	Importance Level: Low
Primary Actor: Customer		Use Case Type: Detail, Essential
Stakeholders and Interests: <ul style="list-style-type: none"> Customer: Be able to delete payment information if needed to. Guidebook: Be able to give access to customers to have the access to delete their payment information. 		
Brief Description: This use case describes how guidebook will be able to give access to customers to delete their payment information.		
Trigger: Customer will click on "Delete Payment Information". Type: External		
Relationships: <ul style="list-style-type: none"> Association: Customer Include: Enter Payment Information Extend: Generalization: Payment Information through stripe 		
Normal Flow of Events: <ol style="list-style-type: none"> Customers enter invite code. Customer will have the option to Sign Up/Log In Customer will select trip under species, destination, or guides. Customer will select a date for the trip. Customer will select half/full day. Customer will select "Book Now". Customer will be prompted to enter payment information. Customer will have option to edit payment information. Customer will have the option to delete payment information. 		
Sub Flows: <ul style="list-style-type: none"> None Identified 		
Alternate/Exceptional Flows: <ol style="list-style-type: none"> 1a. Customer have wrong invite code and can't enter website. 2a. Customer unable to log in due to wrong information. 3a. Customer is unable to select a date due to limited availability. 4a. Customer unable to choose trip due to limited access. 5a. Customer unable to choose half/full day trip. 		


6a. Customer unable to enter payment information due to system failure.
 7a. Customer unable to edit payment information due to system failure.
 8a. Customer unable to delete payment information due to system failure.

2.2 Associated System Requirements & Trace Matrix

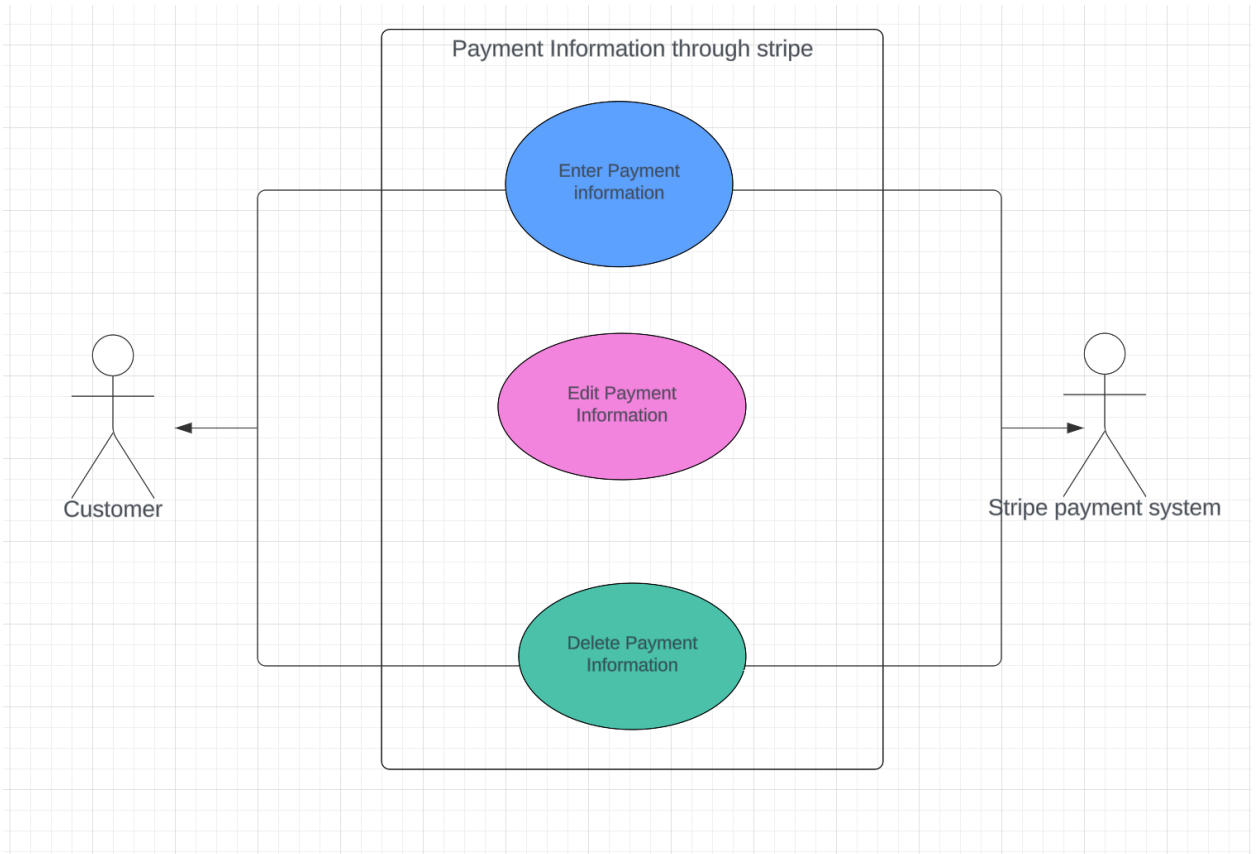
2.2.A System Requirements

- ID: SR034 – Payment system (Stripe) will accept card information
- ID: SR036 – Payment information can be edited
- ID: SR037 – Payment information can be deleted

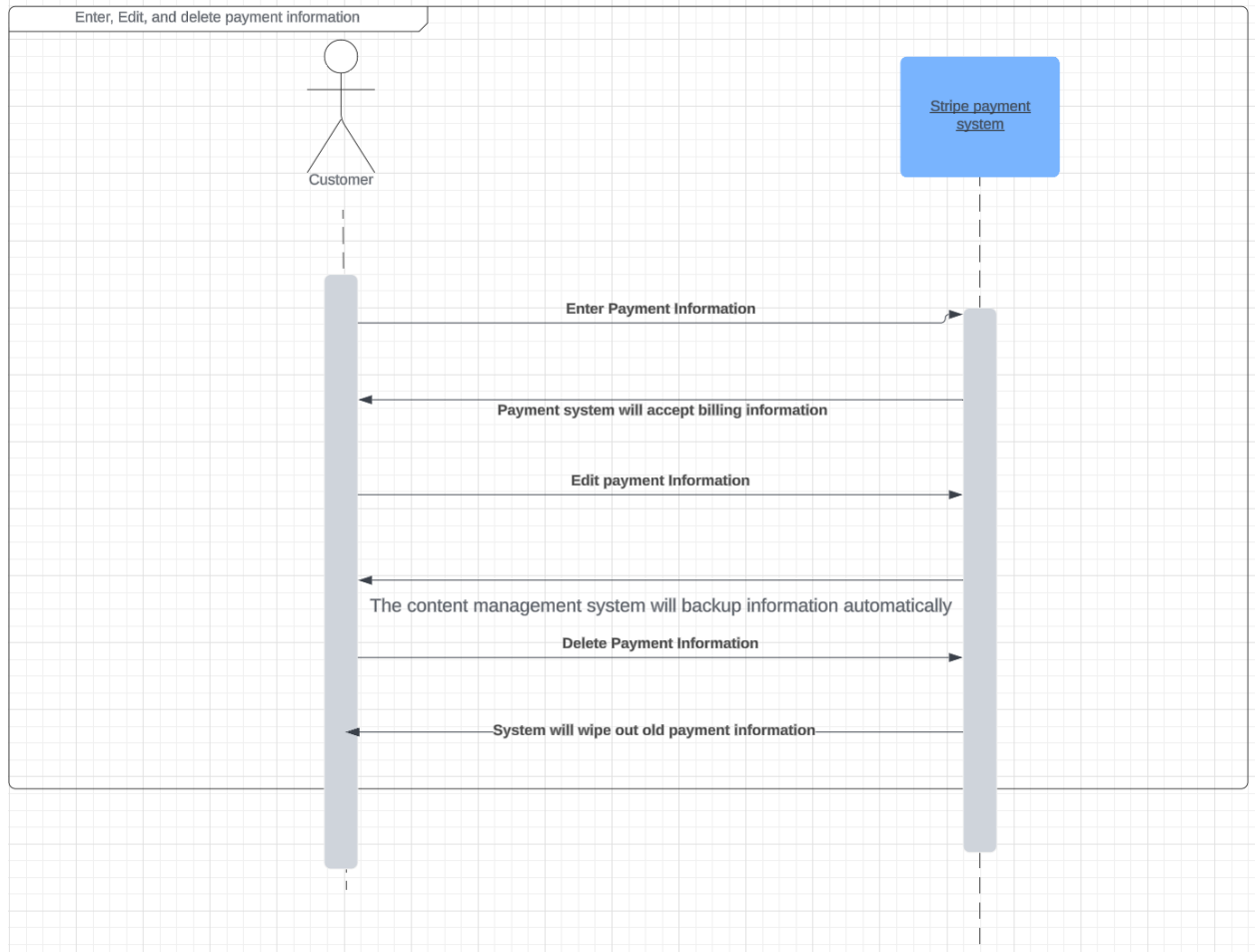
2.2.B trace Matrix

<div>  </div>			
Trace Matrix			
System Requirements	Enter Payment Info	Edit Payment Info	Delete Payment Info
ID: SR034 – Payment system (Stripe) will accept card information	x		
ID: SR036 – Payment information can be edited		x	
ID: SR037 – Payment information can be deleted			x

2.3 Use Case Diagram



2.4 Sequence Diagram



2.5 Prototypes

2.5.A. Enter Payment Information

Guide Book

TOP SPECIES

TOP DESTINATION

GUIDE HIGHLIGHT

BLOG

LICENSING

FAQ

< Request to book

Your trip

Full day out of Flamingo Everglades National Park - Full Day

Dates

Mar 16, 2024 - 8:00 AM - 5:00 PM EDT

People

1

Pay Deep South Fishing Charters

\$874.95

Full Day

Full day out of Flamingo Everglades National Park

\$850.00

Credit Card Fee

\$24.95

Email

*****@****.com

Enter payment details

Card information

1234 1234 1234 1234

VISA

MM / YY

CVC

Cardholder name

Full name on card

Country or region

United States

ZIP

2.5.B Edit Payment Information

Guide Book

TOP SPECIES

TOP DESTINATION

GUIDE HIGHLIGHT

BLOG

LICENSING

FAQ

Edit Payment Information

Secure Connection

Payment Method

Debit Card

Number

**** * 1234

Security Code

Billing Address

Danny

Rico

4027 Park St

Apt., suite, bldg.

San Francisco

California

94110

415

5556204

Remove Payment Method

2.5.C Delete Payment Information

Update your payment details

Payment method

Credit card

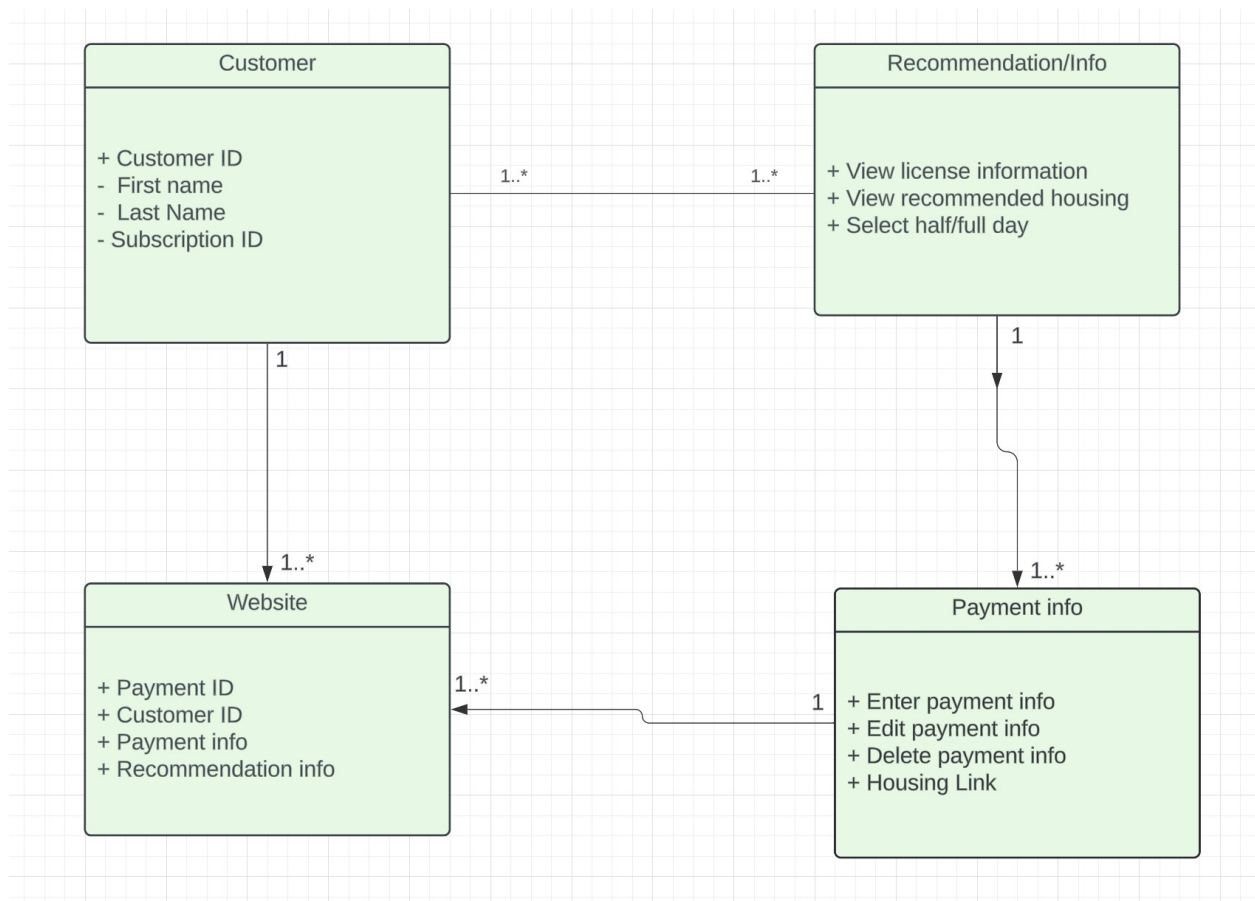
Visa ending in

Edit payment method

Delete info



3. Class Diagram & Narrative



My class diagram consists of four classes: Customer, Website, Payment info and Recommendation/info.

In the customer class we will have the customer ID, their first name, last name, subscription ID. In the recommendation class we will have the “view license information” attribute, “view recommended housing”, as well as “select half/full day. We proceed with the payment with info class with their attributes being “Enter payment info”, “edit payment info”, “delete payment info”, “housing link”. With the last class with the website with the attributes of payment ID, Customer ID, Payment info, and recommendation info. Our customer class is interacting directly with the website and within the website, customers are also using the features inside the website which are the recommendation section as well as the payment information. Recommendation info class and payment info class are used directly to each other because housing recommendation can appear in the payment information class.; essentially

housing link is a foreign key in payment info class. All three classes customer, payment info, and recommendation info are inherited from the website.