

# DESIGN FOR RIGET ZOO ADVENTURES



## Task 1 B

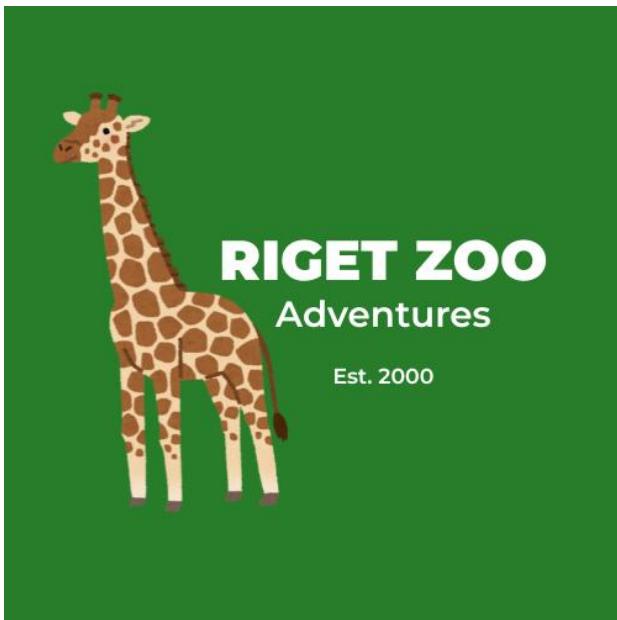
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# Visual / Interface Designs

## Logo:

The Logo Produced below via Canva is influenced by the colourway of similar zoos in the Great Britain District. Since the Establishment date was not specified, I used a random date of “2000” which can be changed later on. I find this logo to be suitable for all age groups including children, however not too childish for adults.



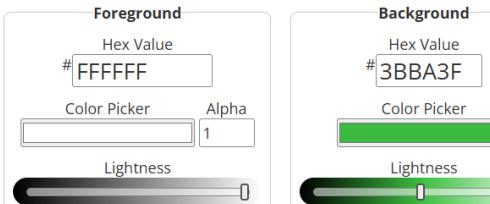
## Colour Scheme:

Research was done to show that the zoos tend to have a dominant colourway of orange and green. Orange relating to the four of animals and green relating to the natural colour of nature. This was then used to influence the colour palette which will be used in the design of the website. This colour palette was generated with <https://coolors.co/>



Riget Color Pallette

The Colour Palette was tested with the WCAG guidelines to ensure best visibility. I used a website called WebAIM to constantly check whether the guidelines are met and the appropriate colours to use. You can see below the contrast with #FFFFFF (white) being used on the colours. It shows what fails and what passes.



Contrast Ratio

**2.53:1**

[permalink](#)

### Normal Text

WCAG AA: **Fail**  
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

### Large Text

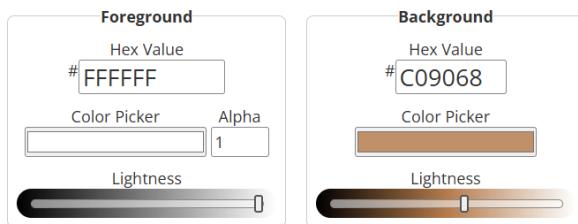
WCAG AA: **Fail**  
WCAG AAA: **Fail**

**The five boxing wizards jump quickly.**

### Graphical Objects and User Interface Components

WCAG AA: **Fail**

★  
Text Input



Contrast Ratio

**2.82:1**

[permalink](#)

### Normal Text

WCAG AA: **Fail**  
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

### Large Text

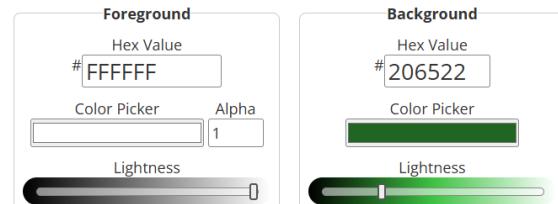
WCAG AA: **Fail**  
WCAG AAA: **Fail**

**The five boxing wizards jump quickly.**

### Graphical Objects and User Interface Components

WCAG AA: **Fail**

★  
Text Input



Contrast Ratio

**7.12:1**

[permalink](#)

### Normal Text

WCAG AA: **Pass**  
WCAG AAA: **Pass**

The five boxing wizards jump quickly.

### Large Text

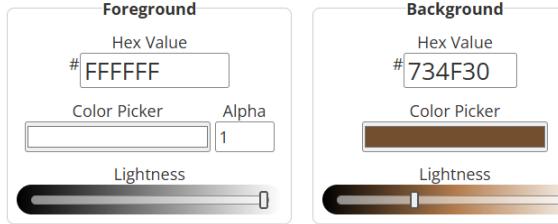
WCAG AA: **Pass**  
WCAG AAA: **Pass**

**The five boxing wizards jump quickly.**

### Graphical Objects and User Interface Components

WCAG AA: **Pass**

★  
Text Input



Contrast Ratio

**7.26:1**

[permalink](#)

### Normal Text

WCAG AA: **Pass**  
WCAG AAA: **Pass**

The five boxing wizards jump quickly.

### Large Text

WCAG AA: **Pass**  
WCAG AAA: **Pass**

**The five boxing wizards jump quickly.**

### Graphical Objects and User Interface Components

WCAG AA: **Pass**

★  
Text Input

**Foreground**

Hex Value #**FFFFFF**

Color Picker Alpha 1

Lightness

**Background**

Hex Value #**7D9AA6**

Color Picker

Lightness

Contrast Ratio

**2.98:1**

[permalink](#)

### Normal Text

WCAG AA: **Fail**  
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

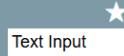
### Large Text

WCAG AA: **Fail**  
WCAG AAA: **Fail**

**The five boxing wizards jump quickly.**

### Graphical Objects and User Interface Components

WCAG AA: **Fail**



**Foreground**

Hex Value #**FFFFFF**

Color Picker Alpha 1

Lightness

**Background**

Hex Value #**3E505B**

Color Picker

Lightness

Contrast Ratio

**8.38:1**

[permalink](#)

### Normal Text

WCAG AA: **Pass**  
WCAG AAA: **Pass**

The five boxing wizards jump quickly.

### Large Text

WCAG AA: **Pass**  
WCAG AAA: **Pass**

**The five boxing wizards jump quickly.**

### Graphical Objects and User Interface Components

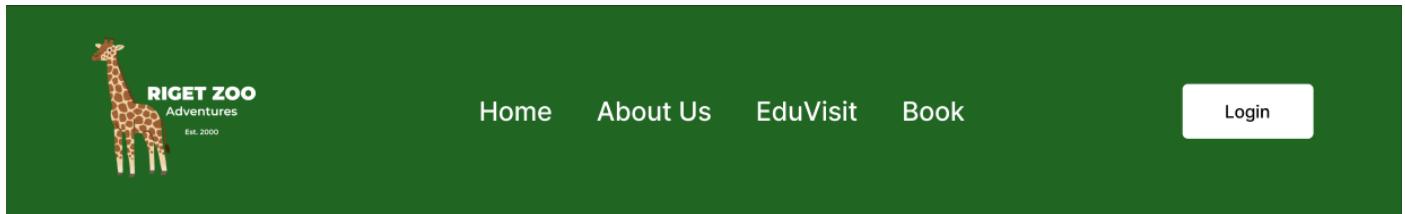
WCAG AA: **Pass**



Text Input

In the following pages, I will attach all the designs I have made using Figma. Please note that all designs may not be equivalent to the prototype.

## Navigation Bar:



The navigation bar is made easily accessible and is continuous across all pages.

# Home Page

The hero image is a photograph of a brown bear climbing a tall, thin tree trunk in a forest setting. Overlaid on the image is the text "Explore The Wildlife" in a large, bold, white sans-serif font. Below this, a smaller line of text reads "Go ahead and say just a little more about what you do." At the bottom center of the image is a dark rectangular button with the words "Explore More" in white.

## We Offer A Range Of Educational Activities

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

[Learn More](#)



## A Long Journey back home? Don't worry we got you settled.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

[Learn More](#)

## Testimonials

Here's what people are saying:

In the garden of life, some things are just very sweet. This is one of them.

 **Andi Arreaga**  
Transportation Sector Nectar

Your expectations will fly sky high. I felt like I was soaring.

 **Wanda Wingerter**  
Lepidopterist at Butterball

Using this felt like it transformed me completely.

 **Carl Caterpillar**  
Growth at Coccua & Co.

The footer features a dark green background. On the left is the "BICET ZOO" logo with a giraffe icon. In the center, there are three columns of links: "About Us" (with "Our Story", "Our Team", "Our Programs", and "Our Impact"), "Customers" (with "B2B", "B2C", "Corporate", "Wholesaler", and "Retail Distributor"), and "Support" (with "Contact", "Support", "Log In", and "Help Center"). At the bottom, there are social media icons for YouTube, LinkedIn, and Twitter, along with a "Privacy Policy" link.

The Home Page consists of a neat hierachal structure showcasing necessary aspects of a landing page. The Hero Image, What we can offer section and reviews makes this user friendly and easy to navigate.

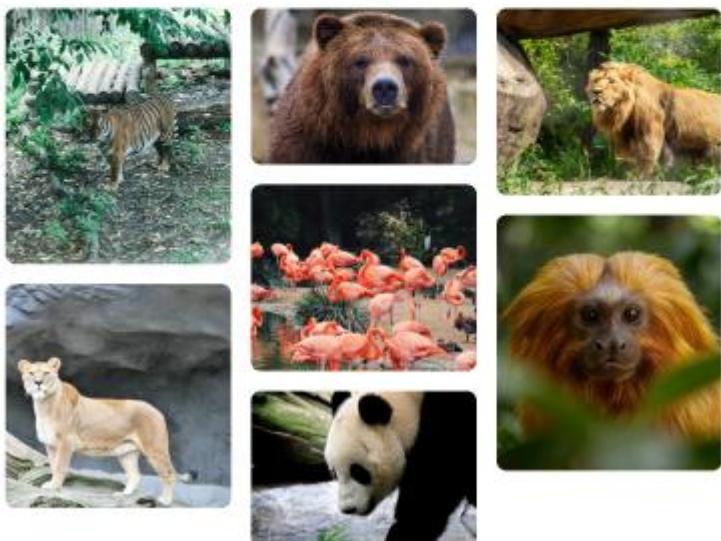
## About Page



Home About Us EduVisit Book Login

### About Riget Zoo Adeventures

#### Explore Our Animals



#### Opening Times

- Monday: 6am - 10pm
- Tuesday: 6am - 10pm
- Wednesday: 6am - 10pm
- Thursday: 6am - 10pm
- Friday: 6am - 10pm
- Saturday: 6am - 10pm
- Sunday: Closed



Riget Zoo Adventures

Facebook Instagram Twitter

Resources	Community	Support
Our Animals	Ping	Contact
Our Experiences	Chat with our team	Support
Our Locations	Customer service	Loyalty
Our Newsfeed	Newsletter	Refund policy

The About section showcases the animals they have at Riget Zoo Adventures while also having the opening times necessary for users to know when the zoo is open. The Home Page CTA button on the hero image takes us to this page when they want to explore more.

# Educational Visits



## Educational Visits

### Looking to learn on the go?

Our Educational Visits page offers just that. Whether you are a Student, Teacher, School or just want to learn about nature this is the perfect place for you.



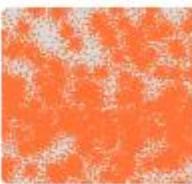
### Resources



Video



Audio



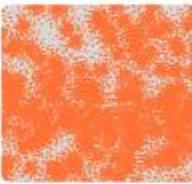
Facts File



Video



Audio



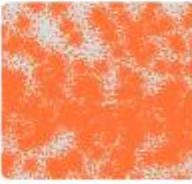
Facts File



Video



Audio



Facts File

### Book Your Educational Trip Now

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laborum nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

**Plan 3**  
For large groups

**\$10** /month

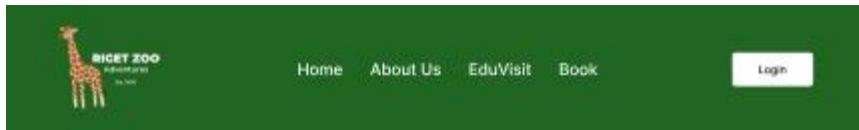
- ✓ All the Plan #2 features
- ✓ Feature 6
- ✓ Feature 7

[Sign up](#)



The Education Visit Page has a little description of who this is suitable for and Resources available for the users to see, whether that is Video, Audio or Facts File. Then a CTA booking at the bottom of the page when the user is satisfied.

# Booking Page



Adult

**\$20** / Per Day

- ✓ Feature 1
- ✓ Feature 2
- ✓ Feature 3

[Sign up](#)

Single Room

**\$120** / per night

- ✓ Feature 1
- ✓ Feature 2
- ✓ Feature 3

[Sign up](#)

Child

**\$12** / Per Day

- ✓ Feature 1
- ✓ Feature 2
- ✓ Feature 3

[Sign up](#)

Double Room

**\$180** / per night

- ✓ Feature 1
- ✓ Feature 2
- ✓ Feature 3

[Sign up](#)

Student

**\$8** / Per Day

- ✓ Feature 1
- ✓ Feature 2
- ✓ Feature 3

[Sign up](#)

King Size Room

**\$250** / per night

- ✓ Feature 1
- ✓ Feature 2
- ✓ Feature 3

[Sign up](#)



## Features

- ✓ Customization
- ✓ Pre-experience
- ✓ Progression
- ✓ Customer service
- ✓ Personalized

## Learn more

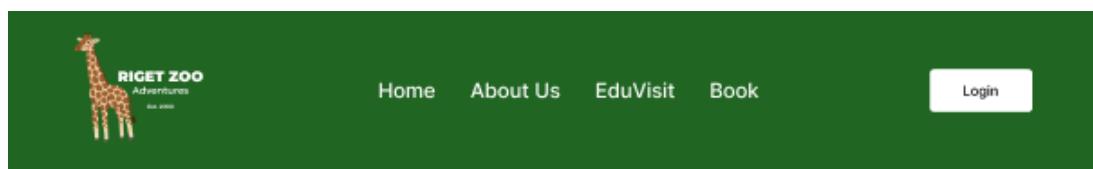
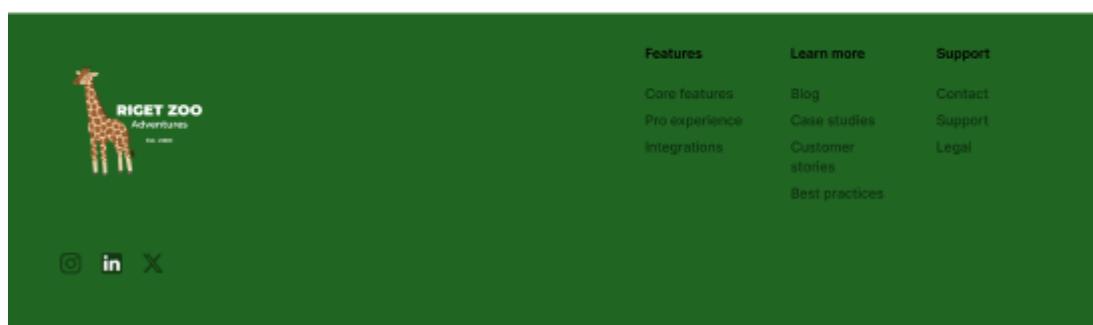
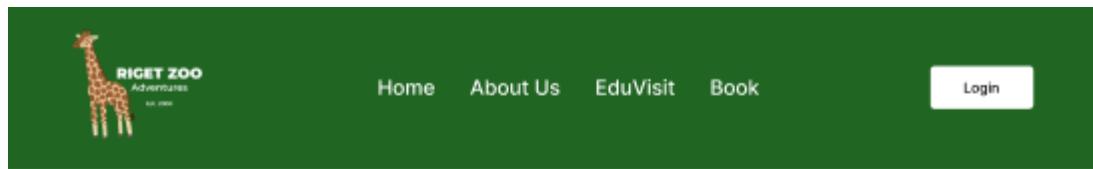
- [Blog](#)
- [Case studies](#)
- [Customer stories](#)
- [Case studies](#)

## Support

- [Contact](#)
- [Support](#)
- [Logout](#)

The Booking Page has a simple layout with CTA buttons depending on what the user wants and relevant pricing for what the user is interested in.

## Login/Registration



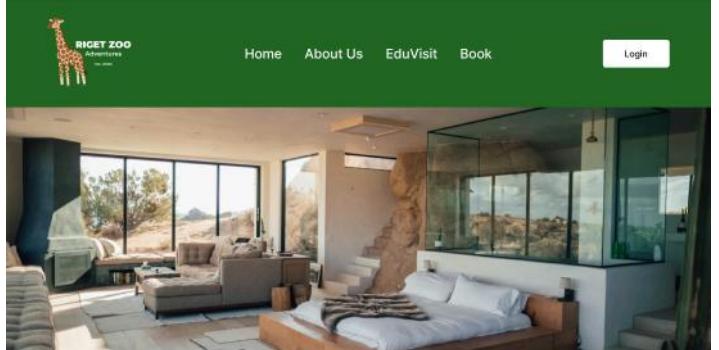
The Login and Registration has a simple layout with relevant hex colours to go with the whole theme. It has all relevant functionality such as CTA buttons if you do or don't have an account, password requirement text and Forgot Password links.

## Ticket/Hotel Booking:



**Select a Ticket that Describes you best**

<b>Plan 1</b> For individuals  <b>\$2</b> / month  ✓ Feature 1 ✓ Feature 2 ✓ Feature 3  <a href="#" style="border: 1px solid #ccc; padding: 5px 10px;">Sign up</a>	<b>Plan 2</b> For medium teams  <b>\$5</b> / month  ✓ All the Plan #2 features ✓ Feature 4 ✓ Feature 5  <a href="#" style="background-color: black; color: white; border: 1px solid #ccc; padding: 5px 10px;">Sign up</a>	<b>Plan 3</b> For large teams  <b>\$10</b> / month  ✓ All the Plan #2 features ✓ Feature 6 ✓ Feature 7  <a href="#" style="border: 1px solid #ccc; padding: 5px 10px;">Sign up</a>
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**Select a Room that Describes you best**

<b>Plan 1</b> For individuals  <b>\$2</b> / month  ✓ Feature 1 ✓ Feature 2 ✓ Feature 3  <a href="#" style="border: 1px solid #ccc; padding: 5px 10px;">Sign up</a>	<b>Plan 2</b> For medium teams  <b>\$5</b> / month  ✓ All the Plan #2 features ✓ Feature 4 ✓ Feature 5  <a href="#" style="background-color: black; color: white; border: 1px solid #ccc; padding: 5px 10px;">Sign up</a>	<b>Plan 3</b> For large teams  <b>\$10</b> / month  ✓ All the Plan #2 features ✓ Feature 6 ✓ Feature 7  <a href="#" style="border: 1px solid #ccc; padding: 5px 10px;">Sign up</a>
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Next

 <b>RIGET ZOO</b> Adventures	Features  Core features Pro experience Integrations	Learn more  Blog Case studies Customer stories Best practices	Support  Contact Support Legal
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© in X



Next

 <b>RIGET ZOO</b> Adventures	Features  Core features Pro experience Integrations	Learn more  Blog Case studies Customer stories Best practices	Support  Contact Support Legal
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© in X

# User Page

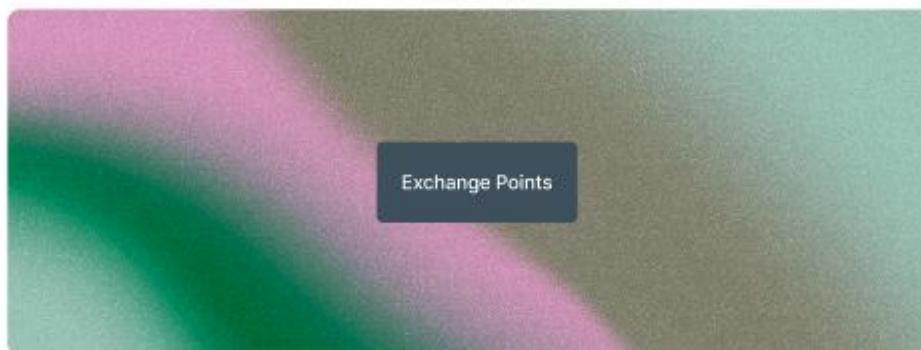
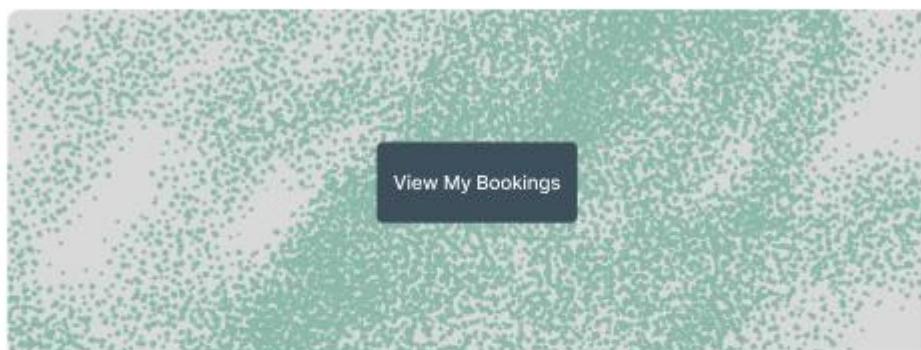


The header features a logo of a giraffe with the text "RIGET ZOO Adventures since 2000". Navigation links include Home, About Us, EduVisit, Book, and a Login button.

Welcome User

Points: 10      Bookings      Visits      LogOut

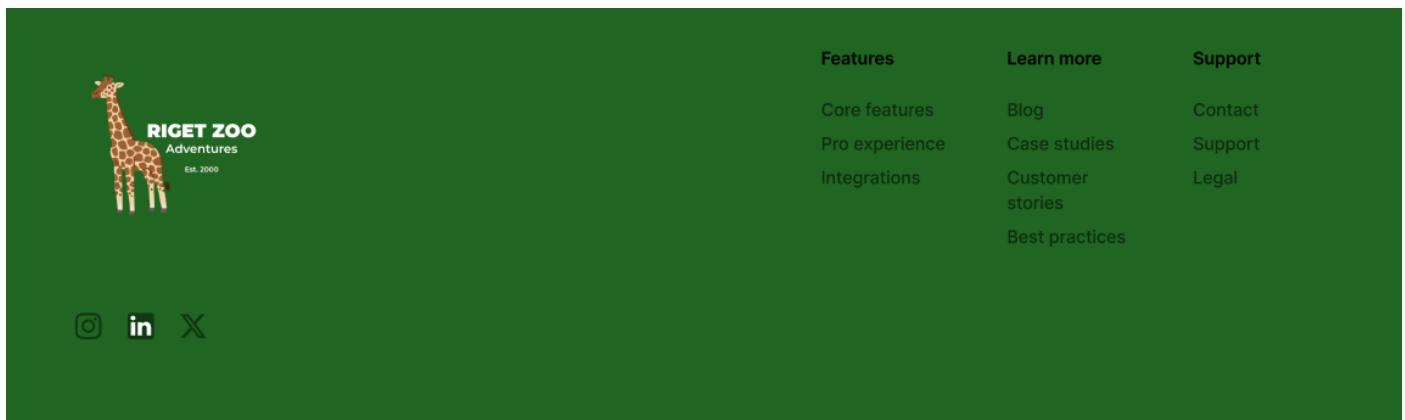
A small profile picture of a person is visible in the top right corner.



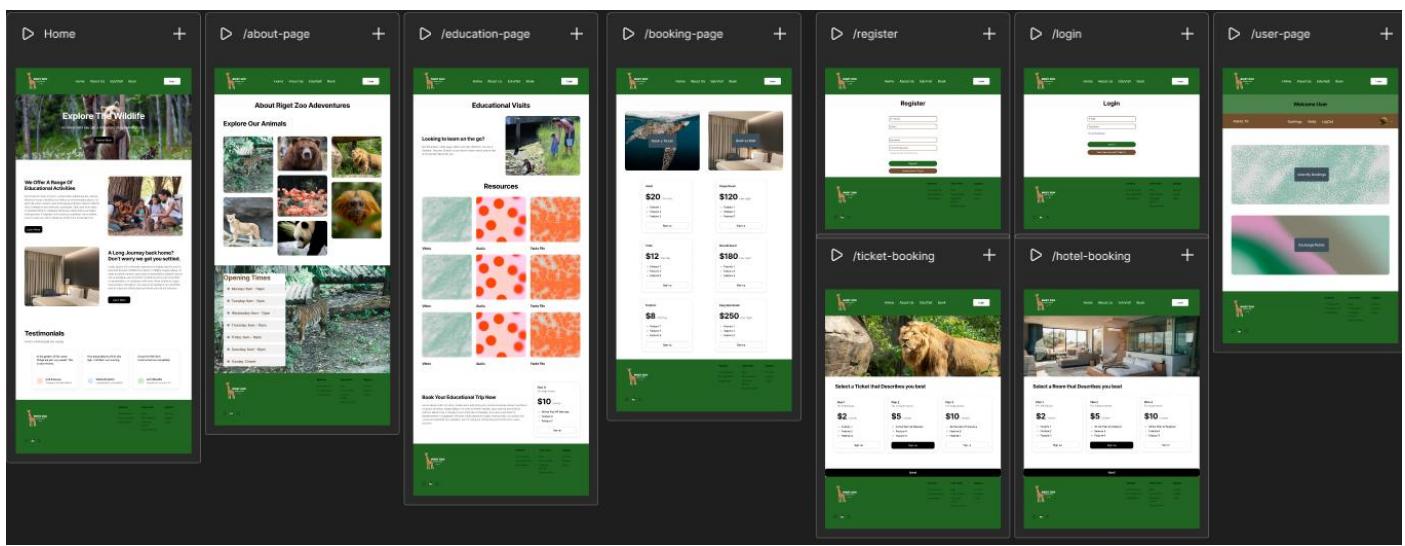
The footer includes the "RIGET ZOO Adventures since 2000" logo and social media icons for Facebook, LinkedIn, and Twitter.

Features	Learn more	Support
Core features	Blog	Contact
Freelancer experience	Case studies	Support
Integrations	Customer stories	Legal
	Best practices	

## Footer

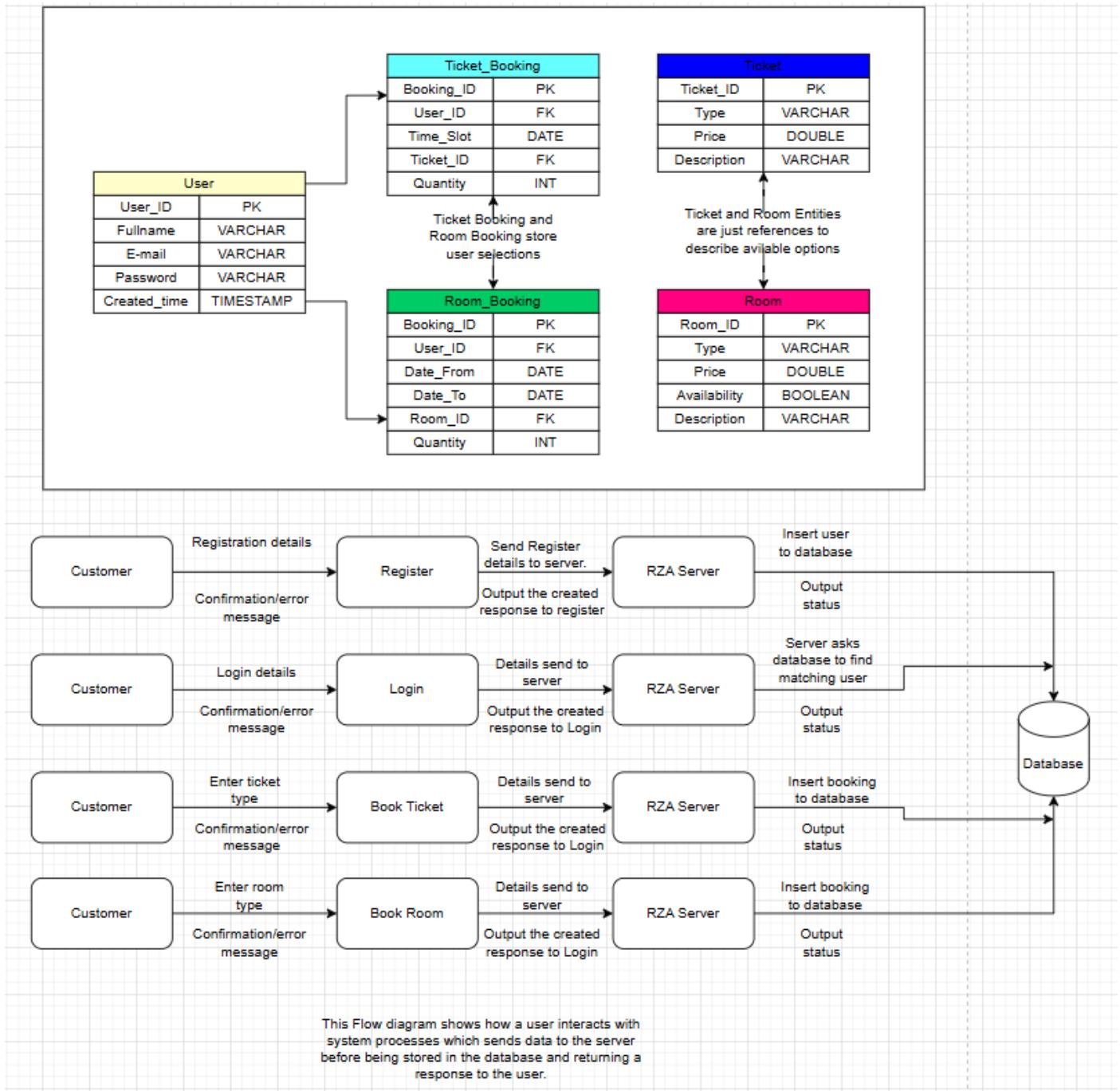


## Overall Design



# Data Requirements

## ERD and Data Flow



## Data Dictionary

### User

Field Name	Data Type	Key	Description
User_ID	INT	PK	Unique identifier for User
Fullname	VARCHAR	-	Stores the users fullname
E-mail	VARCHAR	-	Stores the user's E-mail
Password	VARCHAR	-	Stores the user's password
Created_time	TIMESTAMP	-	Records when the account was created

## Ticket\_Booking

Field Name	Data Type	Key	Description
Booking_ID	INT	PK	Unique identifier for User's Booking
User_ID	INT	FK	Stores the User ID associated with the booking
Time_Slot	DATE	-	Records when the user booked their ticket
Ticket_ID	INT	FK	Unique identifier for the User's ticket
Quantity	INT	-	Records how many tickets were purchased

## Room\_Booking

Field Name	Data Type	Key	Description
Booking_ID	INT	PK	Unique identifier for User's Booking
User_ID	INT	FK	Stores the User ID associated with the booking
Date_From	DATE	-	Records the date from when the user is staying
Date_To	DATE	-	Records the date from when the user is leaving
Room_ID	INT	FK	Unique identifier for the User's Room
Quantity	INT	-	Records how many Rooms were booked

## Ticket

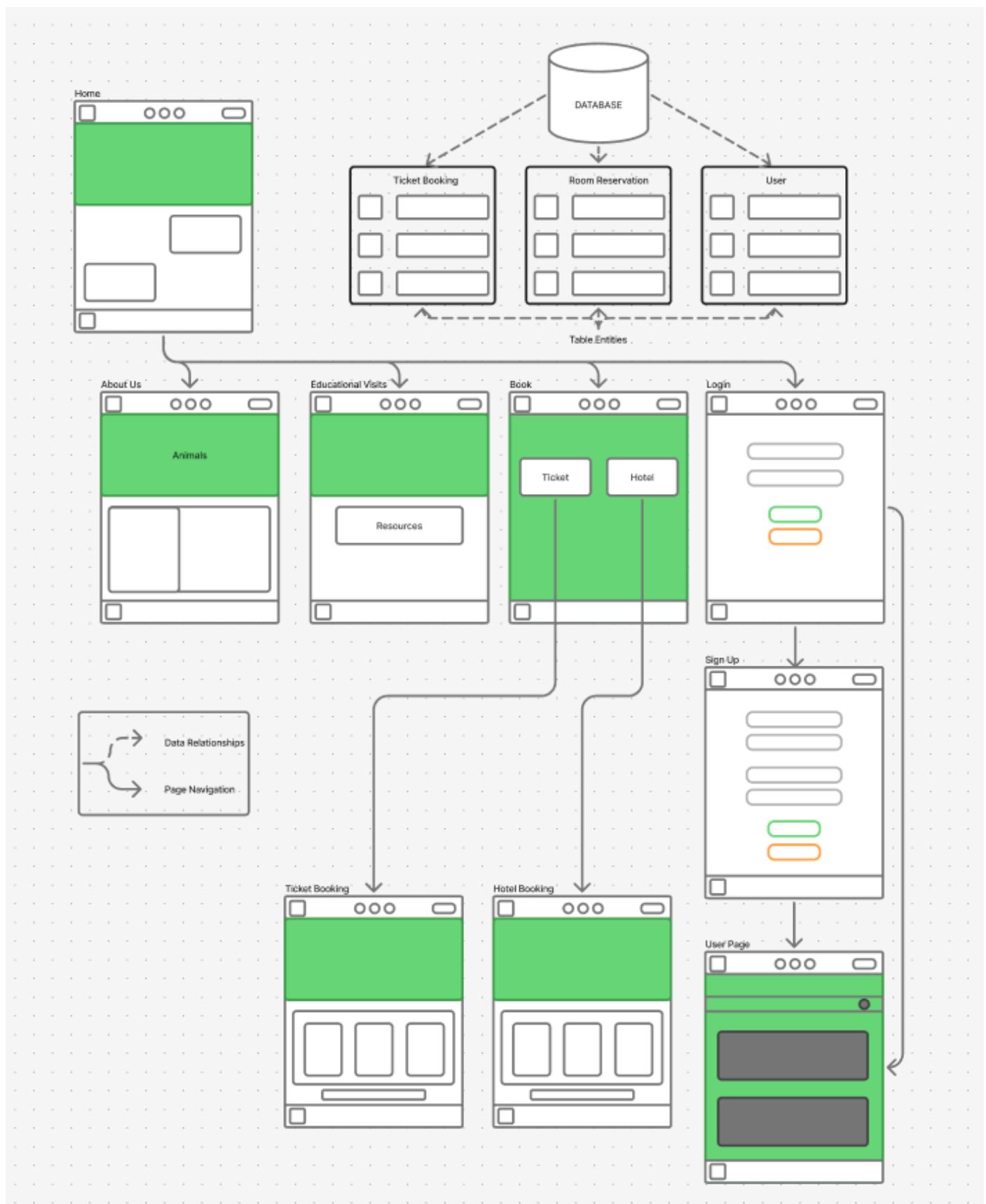
Field Name	Data Type	Key	Description
Ticket_ID	INT	PK	Unique identifier for each ticket option
Type	VARCHAR	-	Specifies the type of ticket, such as Student or Adult
Price	DOUBLE	-	Stores the price of the ticket
Description	VARCHAR	-	Ticket details

## Room

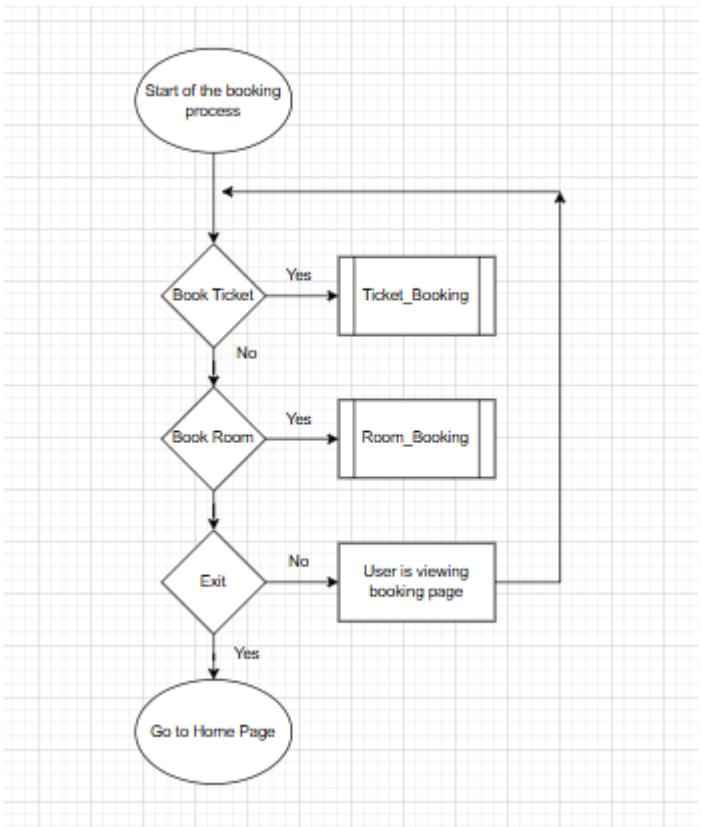
Field Name	Data Type	Key	Description
Room_ID	INT	PK	Unique identifier for each Room option
Type	VARCHAR	-	Specifies the type of Room, such as Single or Double
Price	DOUBLE	-	Records the price of the Room
Availability	BOOLEAN	-	Indicates whether the room is currently available.
Description	VARCHAR	-	Room details

# Algorithm

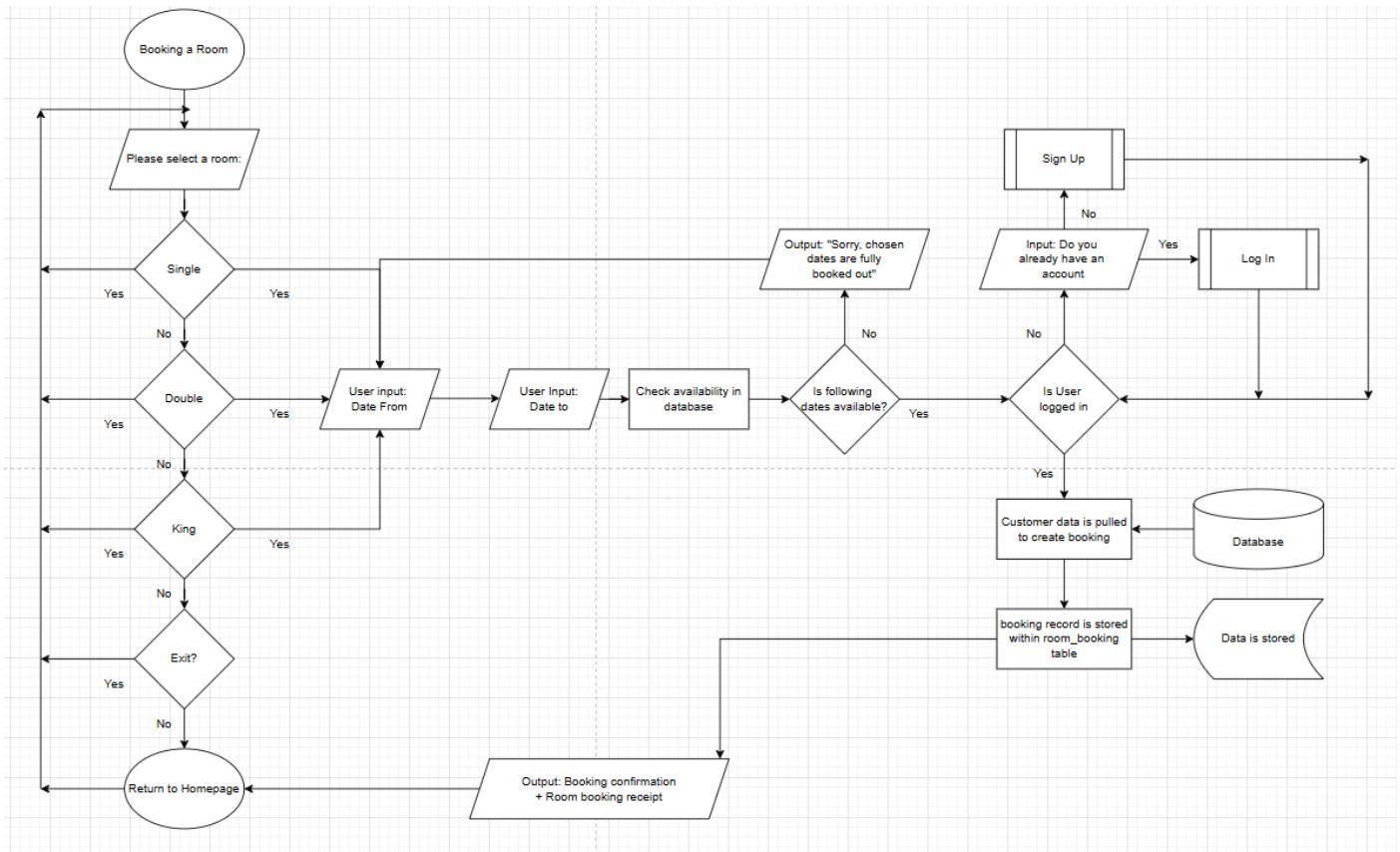
## Wireframes/Flow



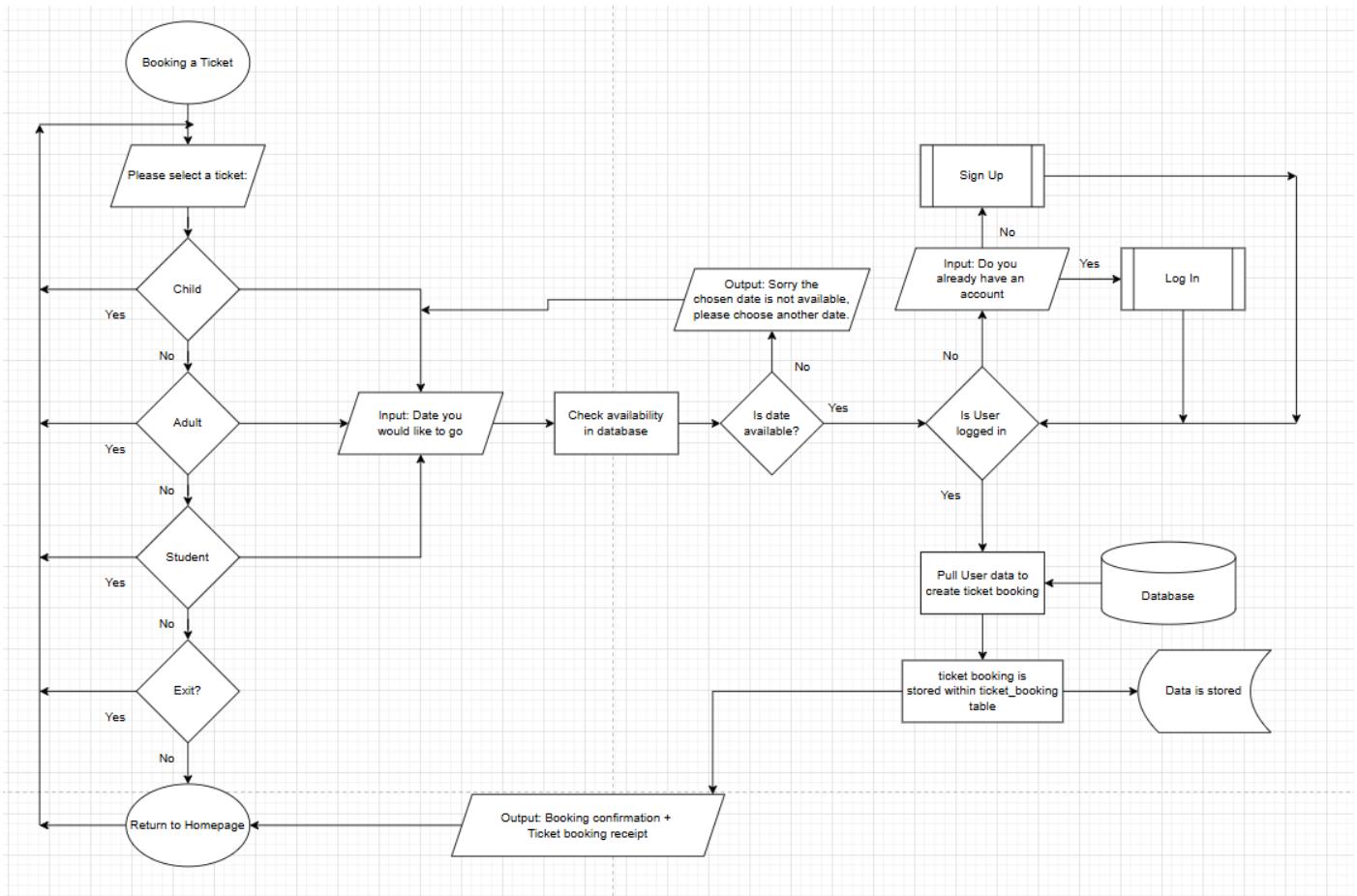
## Booking system Flowchart main Logic



## Booking system Flowchart Room Booking



## Booking system Flowchart Ticket Booking



## A Test Strategy

Considering the scope of the project, we are going to be using manual testing. However automatic testing can be used later on, when the program develops larger.

Date of test	Component to be tested	Type of test to be carried out	Prerequisites and dependencies
21 <sup>st</sup> January 2026	Navigation Bar	Black box testing, Functional Testing, Integration testing	<b>No data inputs required.</b> <b>The tester will go through the navbar and see if all components are working properly and the correct pages are loaded. An example of this is clicking on the EduVisit button to ensure it goes to the education page.</b>

<b>21<sup>st</sup> January 2026</b>	<b>Homepage</b>	<b>White box testing, Black Box testing, Functional testing, Integration Testing, Unit testing</b>	<b>No data needed. Testing if all components are functional, e.g. buttons. Testing integration of homepage within the website so, e.g. it connects and navigates to other pages. Testing the homepage unit, e.g. Does all components load such as buttons and links.</b>
<b>21<sup>st</sup> January 2026</b>	<b>About Us Page</b>	<b>White box testing, Black box testing, Integration testing, functional testing, Unit testing</b>	<b>No data needed. Testing if all components are functional, e.g. buttons. Testing integration of About Us page within the website so, e.g. it connects and navigates to other pages. Testing the About Us page unit, e.g. Does all components load such as buttons and links.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Education Visit Page</b>	<b>White box testing, Black box testing, Integration testing, functional testing, Unit testing</b>	<b>No data needed. Testing if all components are functional, e.g. buttons. Testing integration of Education page within the website so, e.g. it connects and navigates to other pages. Testing the Education page unit, e.g. Does all components load such as buttons and links.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Booking Page</b>	<b>White box testing, Black box testing, Integration testing, functional testing, Unit testing</b>	<b>No data needed. Testing if all components are functional, e.g. price buttons. Testing integration of Booking page within the website so, e.g. it connects and navigates to other pages like ticket booking or hotel booking. Testing the Booking page unit, e.g.</b>

			<b>Does all components load such as buttons and links.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Booking System</b>	<b>Database testing</b>	<b>Test if any errors are shown will executing queries. Test data needed for ticket booking: User_ID, Ticket_ID, time slot and quantity. Test data needed for room booking: User_ID, Room_ID, Date_From, Date_To and quantity.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Login Page</b>	<b>White box testing, Black box testing, Integration testing, functional testing, Unit testing</b>	<b>No data needed. Testing if all components are functional, e.g. login buttons. Testing integration of Login page within the website so, e.g. it connects and navigates to other pages like user page and sign up page. Testing the login page unit, e.g. Does all components load such as buttons and links.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Login System</b>	<b>Database testing</b>	<b>Test if any errors are shown will executing queries. Test data needed for Login system: E-mail, password</b>
<b>21<sup>st</sup> January 2026</b>	<b>Sign Up Page</b>	<b>White box testing, Black box testing, Integration testing, functional testing, Unit testing</b>	<b>No data needed. Testing if all components are functional, e.g. Sign up buttons. Testing integration of Sign Up page within the website so, e.g. it connects and navigates to other pages like user page and login page. Testing the Sign Up page unit, e.g. Does all</b>

			<b>components load such as buttons and links.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Sign Up system</b>	<b>Database testing</b>	<b>Test if any errors are shown will executing queries. Test data needed for Login system: Fullname, E-mail, password, confirm password.</b>
<b>21<sup>st</sup> January 2026</b>	<b>User Page</b>	<b>White box testing, Black box testing, Integration testing, functional testing, Unit testing</b>	<b>No data needed. Testing if all components are functional, e.g. View my booking button. Testing integration of User page within the website so, e.g. it connects and navigates to other pages like view my booking page and redeem points page. Testing the User page unit, e.g. Does all components load such as buttons and links.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Footer</b>	<b>Black box testing, Functional testing, integration testing</b>	<b>No data inputs required. The tester will go through the footer and ensure all links and navigation works as intended, such as clicking social media links to travel to social media pages. Also ensuring legal pages such as privacy policy and terms and conditions work as intended.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Navigation Bar</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>

<b>21<sup>st</sup> January 2026</b>	<b>Home Page</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>
<b>21<sup>st</sup> January 2026</b>	<b>About Us Page</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Education Page</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Booking Page</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Login Page</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Sign Up Page</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>

<b>21<sup>st</sup> January 2026</b>	<b>User Page</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>
<b>21<sup>st</sup> January 2026</b>	<b>Footer</b>	<b>Black Box testing, compatibility testing, functional testing.</b>	<b>OS needed: IOS, MacOS, Windows, android</b>  <b>Browsers: Chrome, Safari, Edge Firefox, Brave or Opera.</b>