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Colour Scheme

For my design, I used the website [colors](#) to generate a random color pallet for me to use. I ended up using these 5 colors:



#FA7921, #FE9920, #B9A44C, #566E3D, #0C4767

This is because I thought it would give the website a safari theme with the greens representing a forest or nature, the blue representing water, and the orange representing the sun / warm environments.

These colors represent most of the natural environments that animals live in, making a good depiction of the zoo. Additionally, they work well together in contrast, which is in accordance with WCAG, allowing for good accessibility and meeting the set task brief.

Fonts

When creating my design in Figma, I took into consideration the readability of the content provided across my pages. The font I've decided to use is "Italiana". This is because it looks and suits the website, however, it isn't that easy to read. To counteract this, I decided to make the text bold and increase the spacing between the letters. This instantly made the text more readable.

Logo

For my logo, I created a simplistic design by applying a font and a color to the name of the business.



Ignoring the green background, the entire logo is the RZA text. This is a good logo as it is simplistic, portrays the entire company and is both adult and kid friendly. The font used for the logo is “Just Me Again Down Here”.

Wireframe

Navigation Bar



This navigation bar is consistent across the entire website. It is a simple navigation bar with 5 buttons, the Title, taking you to the main page, and the 4 navigation segments. These all take you to the corresponding page, with the corresponding page being highlighted and made bolder. The logo is also present in the top left corner.

The entire design was created using a web application called Figma that is free to use. This is a medium fidelity creation of the website, with the text being place holders and being able to change to what the user specifically requires / offers as it is not stated in the task brief.

Home Page

The screenshot shows the homepage of Riget Zoo Adventures. At the top, there's a navigation bar with the logo "RZA" and the text "Riget Zoo Adventures". Below the navigation bar, a large banner features the text "Experience Riget Zoo Adventures" and "Book Your Tickets Today!". A small circular progress bar is visible below the banner. In the center, under the heading "Visit us for a memorable experience", there's a paragraph about the zoo's dedication to animal care and conservation. Below this, three green buttons lead to "Educational Visits", "Our Animals", and "Your Account". The footer contains contact information: a phone number (01790-000000), an email address (rza.support@gmail.com), and the RZA logo.

RZA

Riget Zoo Adventures

Book Your Tickets | Educational Visits | Information | Account

Experience Riget Zoo Adventures

Book Your Tickets Today!

● ● ●

Visit us for a memorable experience

Here at Riget Zoo Adventures, we care deeply for every animal that calls our zoo home. From rare exotic species to familiar family favorites, our dedicated team works tirelessly to provide exceptional care, enriching habitats, and meaningful conservation efforts.

When you visit, you're not just exploring a zoo—you're stepping into a vibrant world of discovery. Experience up-close encounters, engaging educational programs, and beautifully designed environments that bring you closer to wildlife than ever before. Whether you're here for a family day out, a school trip, or a quiet wander through nature, we promise a memorable adventure filled with wonder, learning, and inspiration.

Educational Visits → Our Animals → Your Account →

RZA

Call us - 01790-000000

Email us - rza.support@gmail.com

The homepage is a simple design with the footer and header being consistent across all the website. It contains a simple carousel as the first thing that the user sees, this is so that the

user instantly gets caught by the sight of a big image. Hopefully this will keep the users first impressions high and keep them on the page. Below there is a short description of what RZA offers, with a few redirection buttons to the most useful pages across the website.

In the footer, any contact information, copyright, policies etc can be displayed.

Book Your Tickets

RZA

Riget Zoo Adventures

Book Your Tickets

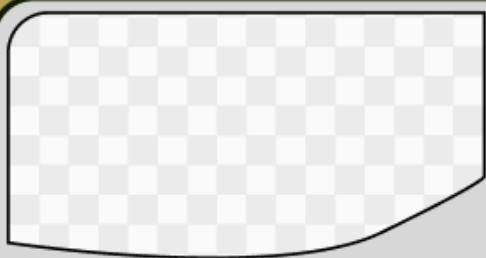
Educational Visits

Information

Account

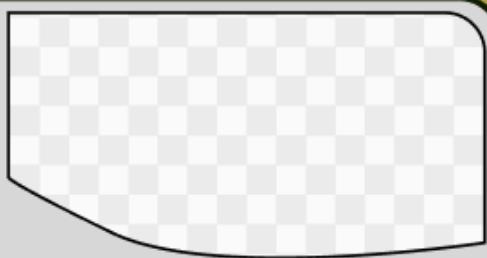
Experience Riget Zoo Adventures

Book Your Tickets Here



Book a ticket

Go



Book an accommodation

RZA

Call us - 01790-000000

Email us - rza.support@gmail.com

Experience Riget Zoo Adventures

Select a Date

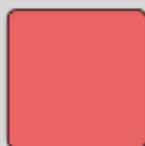
Admission Types



Unavailable



Available



Fully Booked

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

[Book Your Tickets](#)[Educational Visits](#)[Information](#)[Account](#)

Experience Riget Zoo Adventures

Select Tickets

Ticket Type	Price	Quantity
Adult Ticket	£15.00	<input type="button" value="0 ~"/>
Child Ticket	£9.00	<input type="button" value="0 ~"/>
Student Ticket	£6.00	<input type="button" value="0 ~"/>
Under 3 Ticket	£0.00	<input type="button" value="0 ~"/>

[Continue to payment](#)

RZA

Call us - 01790-000000

Email us - rzasupport@gmail.com

[Book Your Tickets](#)[Educational Visits](#)[Information](#)[Account](#)

Experience Riget Zoo Adventures

Select Accommodation

Room Type

Single

Adults

0

Under 16

0

Adults: £50 per night per person
Under 16: £30 per night per person

Single: Flat fee of £50

Double: Flat fee of £80

King: Flat fee of £130

Luxury: Flat fee of £200

[Continue to payment](#)

RZA

Call us - 01790-000000

Email us - rzasupport@gmail.com



Riget Zoo Adventures

Book Your Tickets

Educational Visits

Information

Account

Experience Riget Zoo Adventures

Confirm and Pay

Breakdown
all tickets or
accommoda-
tion details

Enter your email for booking confirmation

youremail@example.com

Confirm and Pay

RZA

Call us - 01790-000000

Email us - rzasupport@gmail.com

Educational Visits

The screenshot shows the Riget Zoo Adventures website with a green header bar. The header includes the RZA logo, the text "Riget Zoo Adventures", and navigation links for "Book Your Tickets", "Educational Visits", "Information", and "Account". Below the header, the page title "Educational Visits" is displayed in large blue text, followed by a descriptive paragraph about the tailored educational visits. It mentions guided tours led by experienced educators, hands-on learning sessions with ambassador animals, and access to educational materials. A call to action encourages booking through the Education Team. A section titled "Pricing (per student)" lists three options: Standard Educational Visit (£6), Guided Tour + Animal Encounter Session (£15), and a Full Educational Program (£25). It also notes that teachers and chaperones enter free at a 1:10 ratio. A "Material" section features a download link for "Document1.pdf". At the bottom, contact information is provided, including a phone number (01790-000000) and email (rzasupport@gmail.com).

RZA

Riget Zoo Adventures

Book Your Tickets | Educational Visits | Information | Account

Riget Zoo Adventures

Educational Visits

Discover the wonders of wildlife with our tailored educational visits, perfect for schools, clubs, and learning groups. Each visit includes a guided tour led by one of our experienced educators, hands-on learning sessions with select ambassador animals, and access to our educational materials designed to support curriculum topics such as habitats, conservation, and animal behavior.

To book an educational visit, please call our Education Team to schedule an appointment, discuss group needs, and customize your experience.

Pricing (per student):

- Standard Educational Visit: £6 per student
- Guided Tour + Animal Encounter Session: £15 per student
- Full Educational Program (tour, workshop, and animal encounter): £25 per student

Teachers and chaperones enter free at a 1:10 ratio.

For availability and planning support, simply give us a call—we're happy to help create a memorable learning adventure!

Material

Document1.pdf

Download

RZA

Call us - 01790-000000

Email us - rzasupport@gmail.com

Information

The screenshot shows the Riga Zoo Adventures (RZA) website with a green header bar. The header includes the RZA logo, the website name "Riga Zoo Adventures", and navigation links for "Book Your Tickets", "Educational Visits", "Information", and "Account". Below the header, the page title "Information" is displayed, followed by the sub-headline "Find information about an animal!". A search bar contains the word "Zebra" and a magnifying glass icon.

Visitor Information
Welcome to Wildlands Zoo, a place where adventure, education, and wildlife conservation come together. Below you'll find helpful information about our attractions, facilities, and services to make your visit enjoyable and memorable.

Attractions

- Animal Exhibits**
Explore over 100 species from around the world, including:
 - African Savannah – Lions, giraffes, zebras and meerkats.
 - Rainforest Trail – Tropical birds, sloths, amphibians, and exotic reptiles.
 - Australian Outback – Kangaroos, wallabies, and emus.
 - Reptile House – Snakes, lizards, tortoises, and a touch-friendly educational zone.
- Butterfly Garden**
Step into a warm, lush environment filled with hundreds of free-flying butterflies from various continents.
- Kids' Adventure Zone**
A fun educational play area featuring:
 - Rope bridges
 - Mini climbing walls
 - Interactive animal learning stations
- Penguin Cove**
Watch our playful penguins dive, swim, and waddle in a recreated coastal habitat with underwater viewing windows.

Shows & Experiences

- Daily Animal Talks**
Our keepers host short presentations where you can learn fascinating facts, ask questions, and see animals up close.
- Petting Farm**
Ideal for younger visitors—meet friendly goats, sheep, rabbits, and miniature ponies.
- Birds of Prey Show**
A stunning outdoor demonstration showcasing eagles, owls and hawks in flight.

Facilities

- Dining**
Enjoy a variety of food options across the zoo:
 - Savannah Grill – Burgers, wraps, vegetarian meals
 - Rainforest Café – Smoothies, salads, and freshly baked pastries
 - Snack Huts – Located throughout the park for quick treats and refreshments
- Gift Shop**
Take home a memory! Find plush animals, eco-friendly toys, apparel, and souvenirs.
- Restrooms**
Conveniently located at the entrance, near major attractions, and inside dining areas.

Accessibility
Wildlands Zoo is fully wheelchair-accessible with:

- Wide pathways
- Ramp access
- Mobility scooter rentals
- Designated accessible parking spaces

Family Services

- Baby changing stations
- Stroller rentals
- Quiet rooms for nursing or sensory breaks

Visitor Tips

- Best time to visit: Early morning for active animals and fewer crowds.
- Stay hydrated: Water refill stations are available throughout the zoo.
- Respect wildlife: Do not tap on glass, feed animals, or cross barriers.
- Weather: Many areas are outdoors—sun protection or rainwear is recommended depending on the season.

RZA
Call us - 01790-000000
Email us - rza.support@gmail.com

Account



RZA Riget Zoo Adventures

Book Your Tickets | Educational Visits | Information | Account

Experience Riget Zoo Adventures

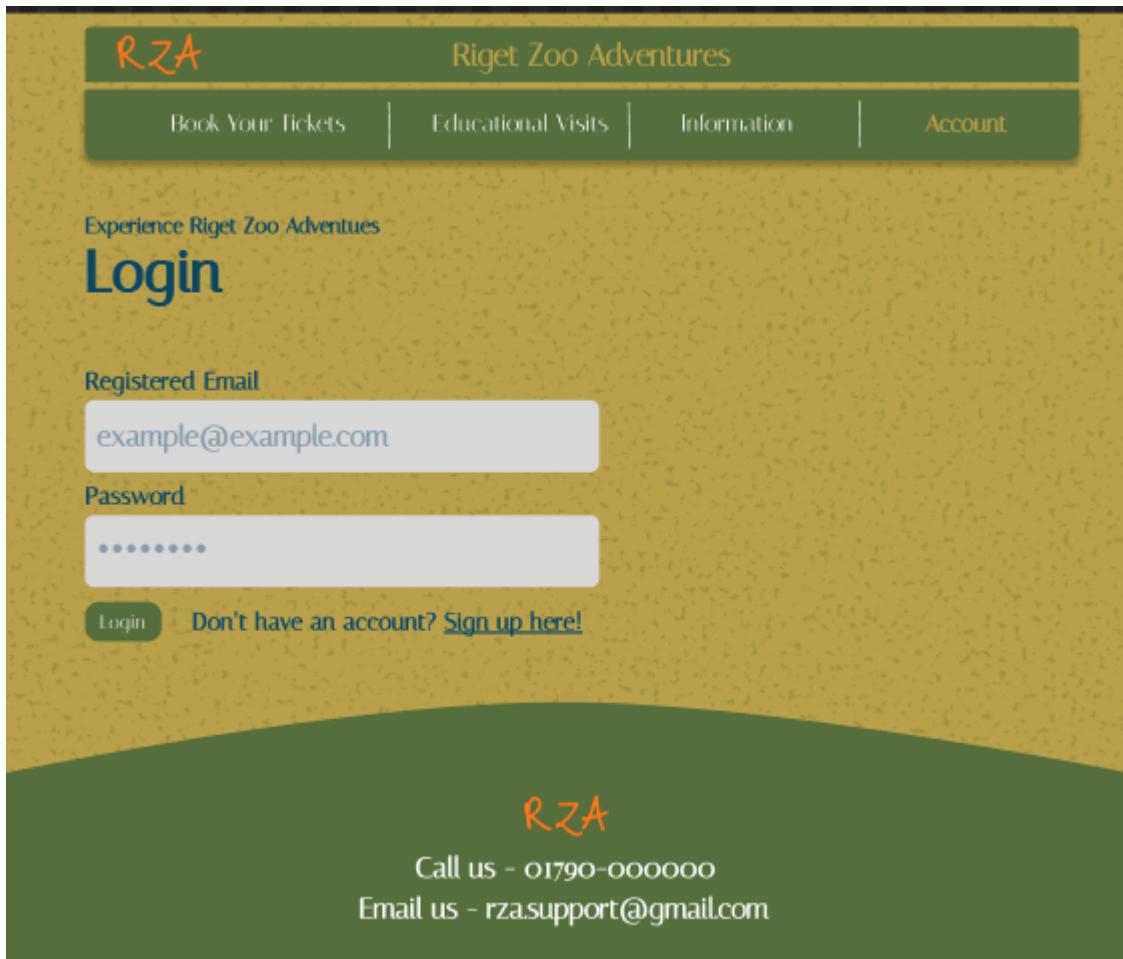
Manage Your Account

Login In to access your Information

Login

RZA

Call us - 01790-ooooooo
Email us - rza.support@gmail.com



RZA Riget Zoo Adventures

Book Your Tickets | Educational Visits | Information | Account

Experience Riget Zoo Adventures

Login

Registered Email

example@example.com

Password

Login Don't have an account? [Sign up here!](#)

RZA

Call us - 01790-ooooooo
Email us - rza.support@gmail.com

[Book Your Tickets](#)[Educational Visits](#)[Information](#)[Account](#)

Experience Riget Zoo Adventures

Sign up

First Name

Charlie

Second Name

Henson

Email

example@example.com

Password

Confirm Password

[Sign up](#)Already have an account? [Log in here!](#)

RZA

Call us - 01790-000000

Email us - rza.support@gmail.com

[Book Your Tickets](#)[Educational Visits](#)[Information](#)[Account](#)

Experience Riget Zoo Adventures

Manage Your Account

Hello, Charlie Henson!

Active Bookings & Tickets

02/02/2023 | 2 Adult Ticket(s), 1 Child Ticket(s)

02/03/2023 | Single Room, 2 Adult Ticket(s), 1 Child Ticket(s)

[Manage](#)
[Manage](#)**History**

04/02/2023 | 2 Adult Ticket(s), 1 Child Ticket(s)

06/07/2023 | Single Room, 2 Adult Ticket(s), 1 Child Ticket(s)

[Settings](#)[Font Size](#)

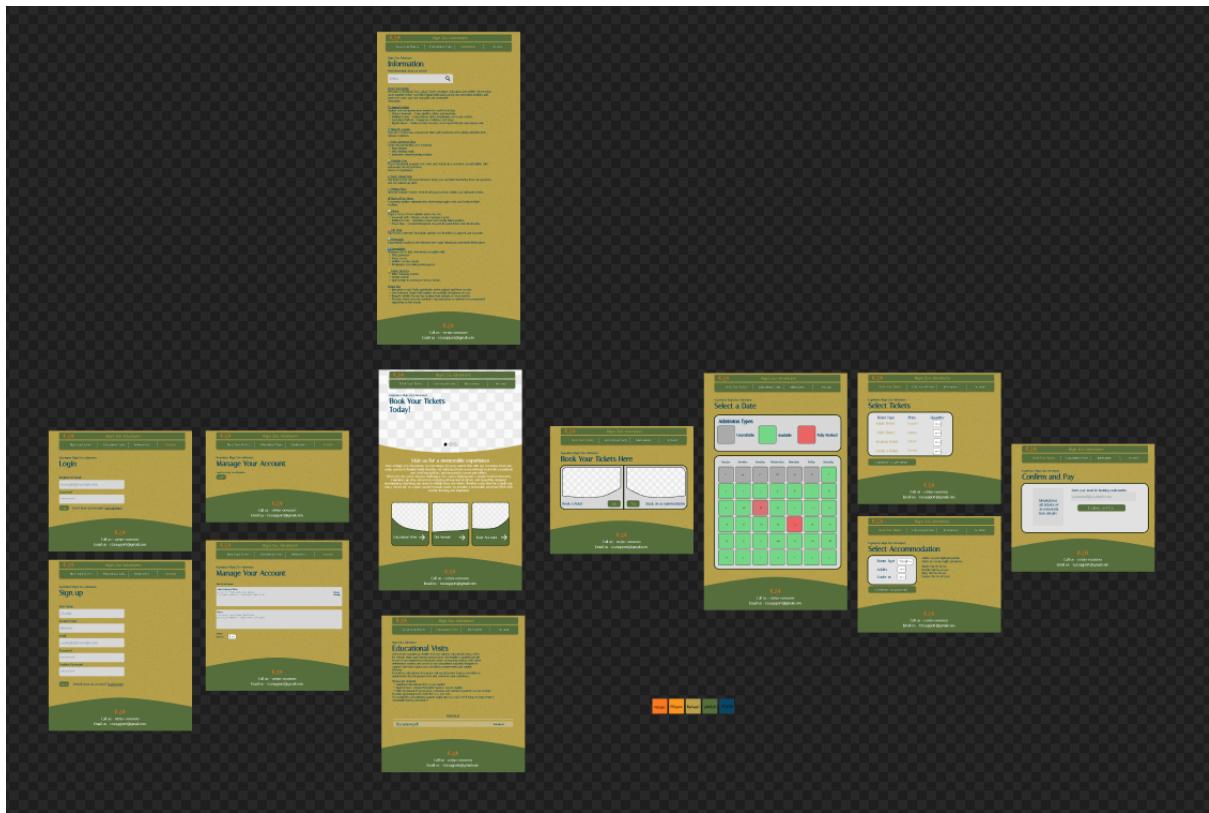
Lg ▾

RZA

Call us - 01790-000000

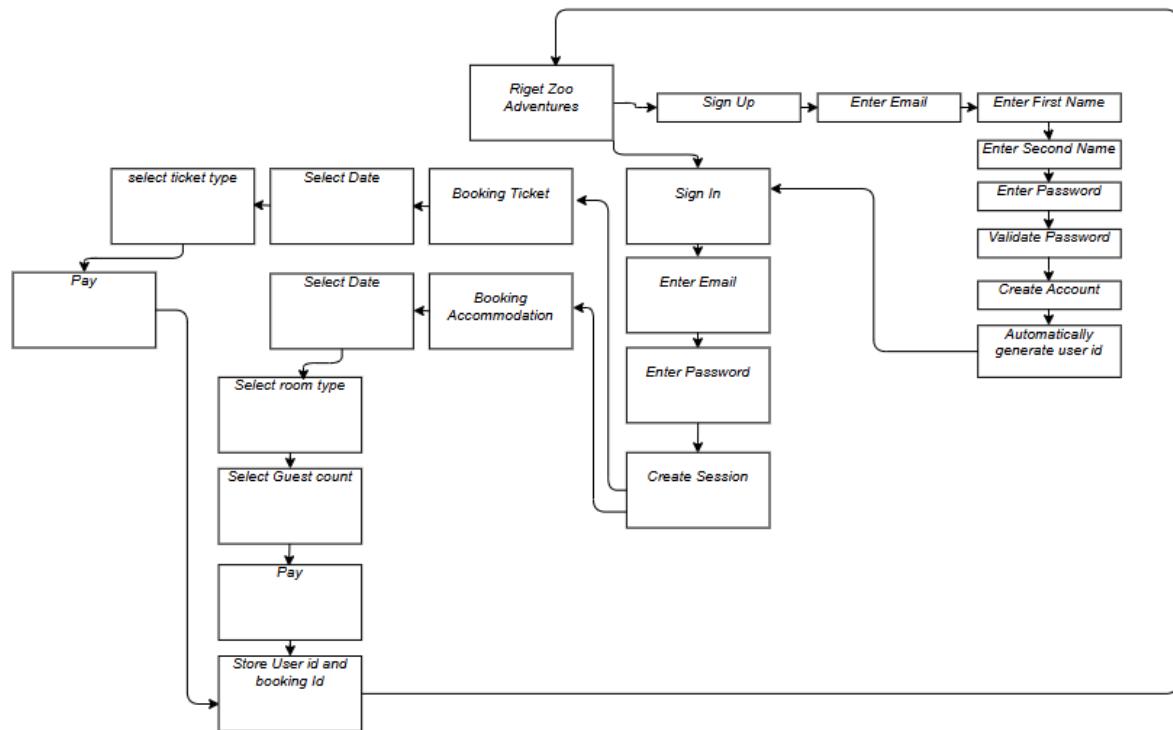
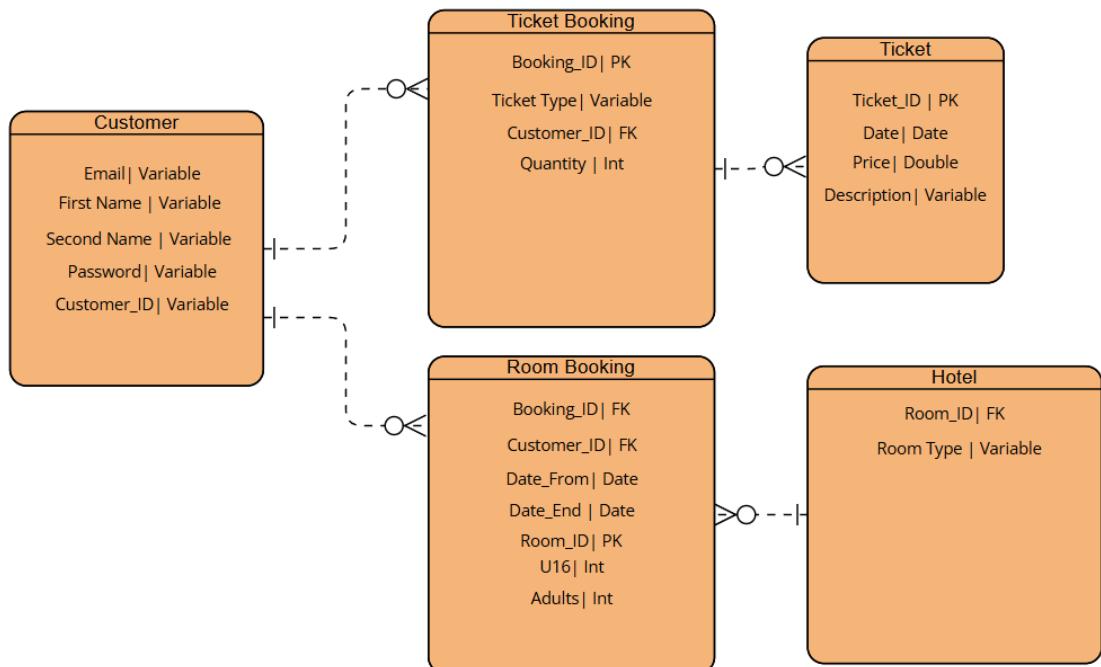
Email us - rzasupport@gmail.com

Full Solution



Data Requirements

Entity Relationship Diagram + Data flow diagram

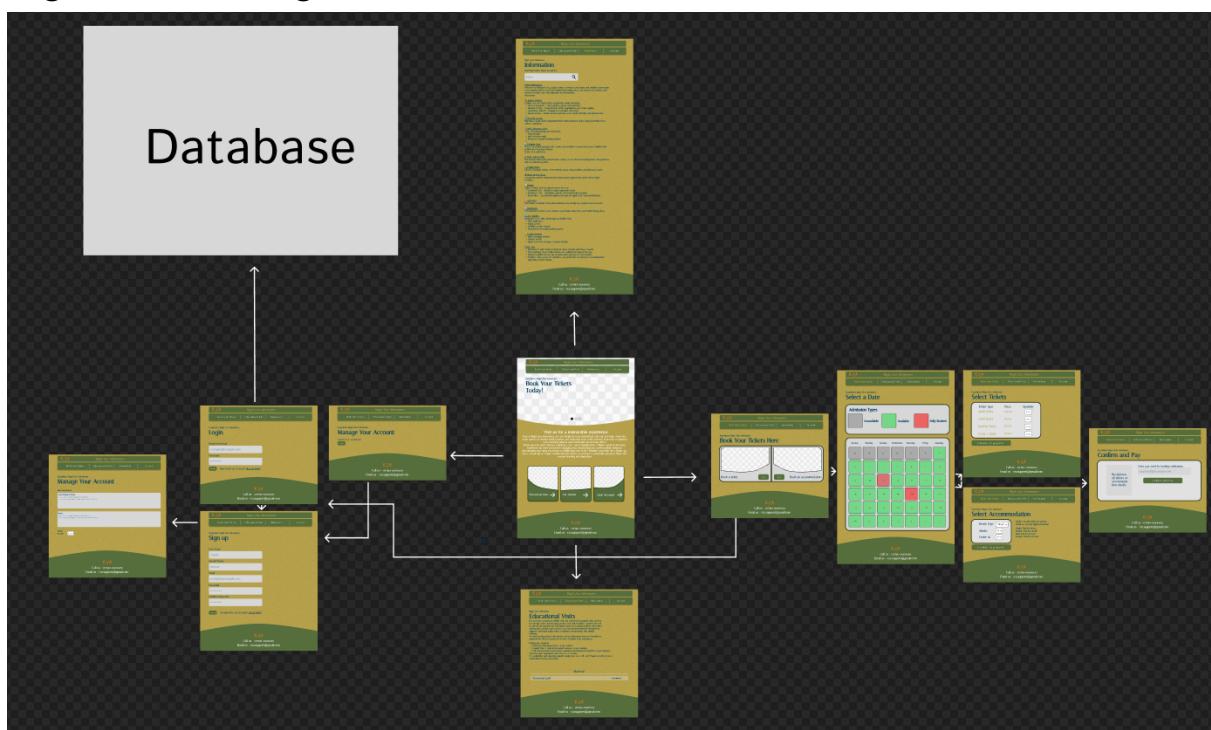


Data Dictionary

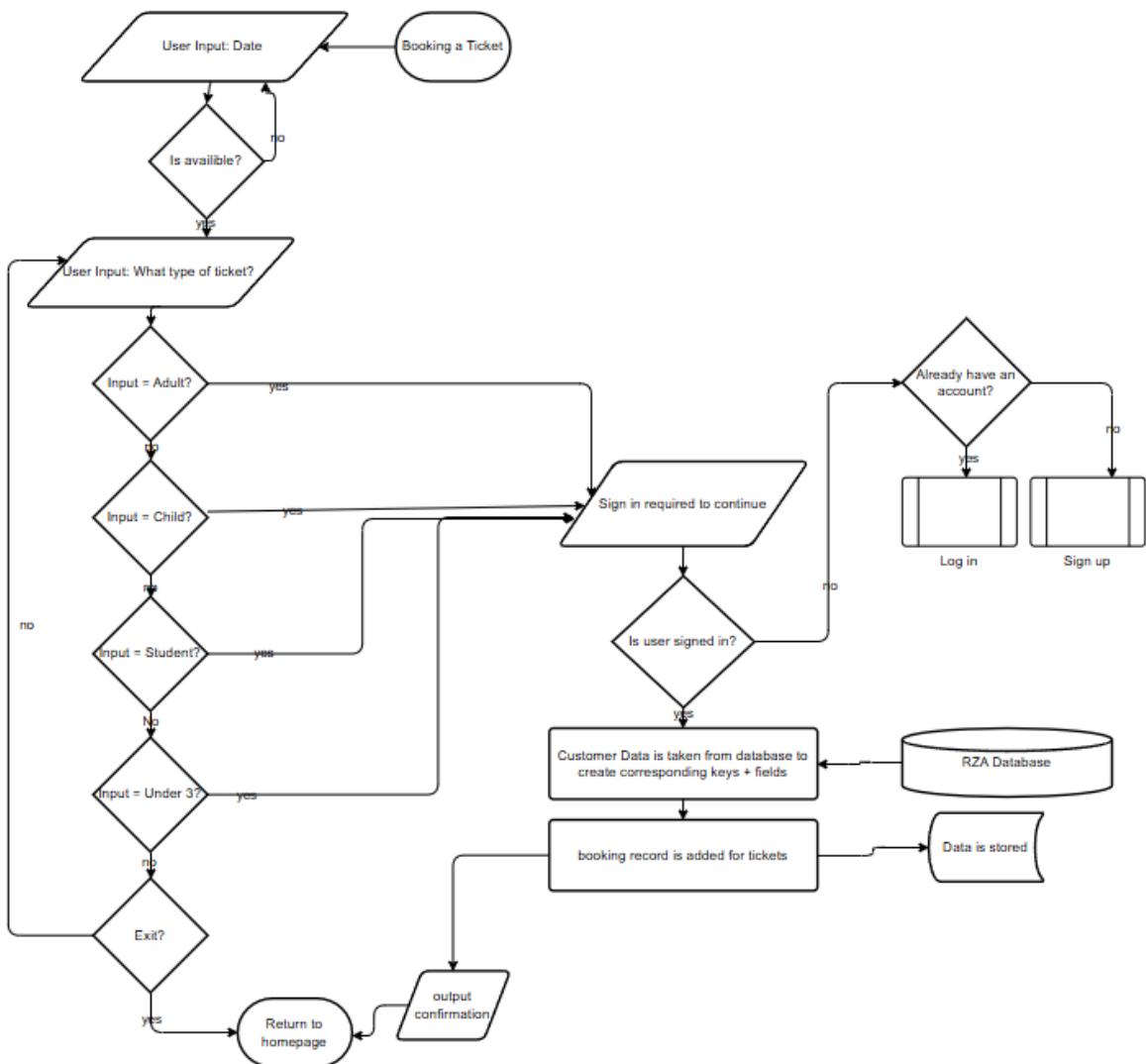
Table	Column Name	Data Type	Description
Customer	Email	String, unique	Can be used to identify users by email or send them newsletters or information.
Customer	First name	String	Used for formatting inside the webpage to personalise their experience
Customer	Second name	string	Used for formatting inside the webpage to personalise their experience
Customer	Password	String, hashed	Used to log into an account using an email and password as the unique identifiers to ensure no one can log into someone else's account
Customer	Customer_ID	Integer, Auto Increment	Used to reference a customer easily by just providing the ID, the company can locate all data relevant to that user.
Ticket_Booking	Booking_ID	Integer, Auto Increment	Unique identifier for that booking. Used for later reference
Ticket_Booking	Customer_ID	integer	Used to reference what customer the booking links to.
Ticket_Booking	Quantity	Integer	Used to tell how many tickets are being purchased
Ticket	Ticket_ID	Integer, Auto Increment	Used to reference specific tickets
Ticket	Date	date	Used to tell what date the ticket is

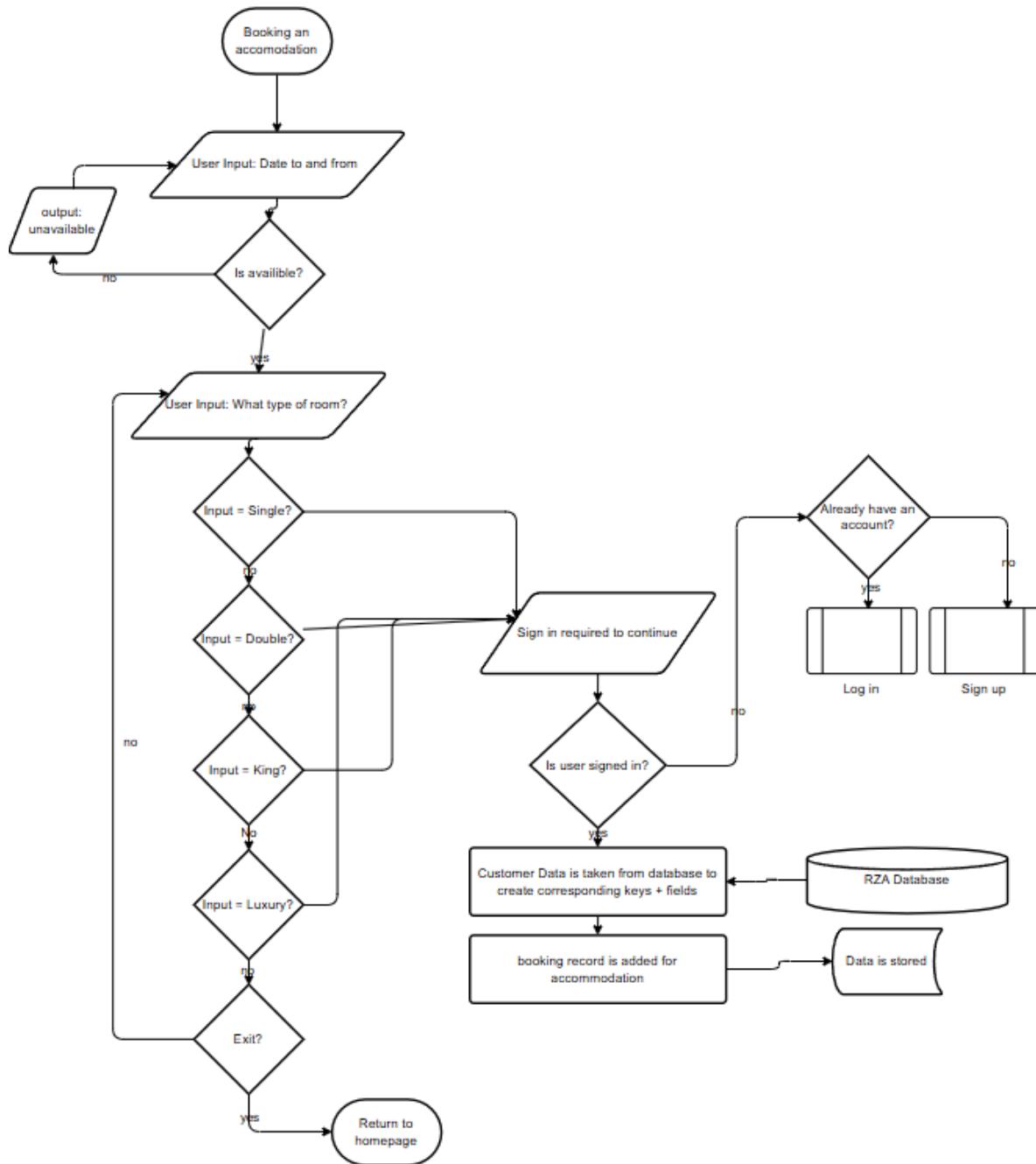
			valid for
Ticket	Price	number	Used to calculate final ticket price
Ticket	Description	string	Will be the ticket type, adult child etc.
Room_Booking	Booking_ID	Integer, Auto Increment	Used to reference the booking.
Room_Booking	Customer_ID	Integer	Used to reference what customer will stay at the room
Room_Booking	Date_From	Date	Date of arrival
Room_Booking	Date_End	Date	Date of departure
Room_Booking	Room_ID	Integer	Will be used to reference a specific room to check availability.
Room_Booking	U16	Integer	References how many people under the age of 16 will stay.
Room_Booking	Adult	Integer	Reference how many people of the adult category stay in the room
Hotel	Room_ID	Integer	References a specific room within the hotel, checks availability
Hotel	Room_Type	string	A description of what room type that room is. Single, Double, King etc.

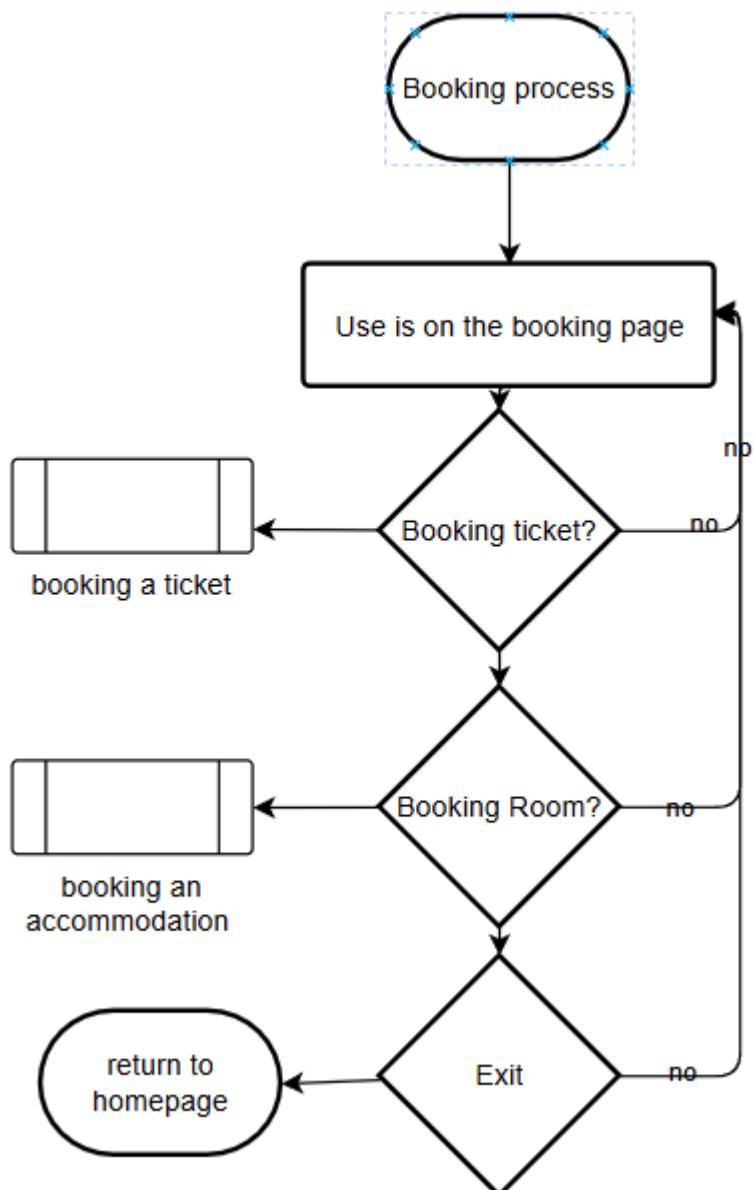
Algorithm Design and flow



Booking system Flowchart







Testing Strategy

Date of test	Component to be tested	Type of test to be carried out	Prerequisites and dependencies
28/11/25	Navigation Bar	Functionality testing.	Clicking the different navigation objects within the bar. Tester will go through the navigation bar and test that all the corresponding pages open / load and it leads to the corresponding page
28/11/25	Homepage	Functional Testing	Checking if all the buttons redirect to corresponding pages and if all information displays properly.
28/11/25	Book Your Tickets Page	Functionality Testing	Page should load and check if the user is logged in. If not, redirect them to the sign up page saying they need to sign up before continuing
28/11/25	Educational Visits page	Functionality Testing	Ensure that the page loads and the downloadable materials work
28/11/25	Information Page	Functionality Testing	Make sure that the page loads and that written context is displayed. Ensure that the API loads the corresponding animal information when entered.
28/11/25	Account Page	Functionality Testing	Ensure that the page loads and if no session is active, prompts the user to sign up / login using

			correct redirects upon button press.
2/11/25	Sign up page	Backend, functionality	Ensure that accounts can be created and passwords securely stored using encryption.
2/11/25	Log in page	Backend, functionality	Ensure that users can log into an account using the credentials used to create an account by comparing hashed passwords and emails when logging in.
2/11/25	Booking System	Backend, Functionality	Ensure that users are logged in when trying to purchase a ticket, then redirect the user to the calendar page when selecting either a ticket or accommodation to book with meta data of the type of booking they are doing
2/11/25	Booking System	Backend, Functionality	Ensure that the user can select a date that will compare with the database if the room is available or if the maximum number of tickets has already been filled. Then proceed to the ticket / accommodation selection
2/11/25	Booking System	Backend, Functionality	Ensure that the user can either select for tickets the number of adults, students, children or u3 tickets and for accommodation the room type, number of people.

2/11/25	Booking System	Backend, Functionality	User should be displayed the final cost, and be asked to confirm the payment (skipping payment system as it has not been specified how system is to gather payment)
2/11/25	Account Page	Backend, Functionality	Ensure that bookings are made visible / properly displayed under the accounts page with user being able to manage bookings. (either delete, get no refund, or add and have to pay more). Same with accommodations to cancel, but no need for refund because its only paid at entrance.
2/11/25	Test Device compatibility	functionality	Ensure that the webpages scale properly across all different devices and work properly as expected.