

# Project Report

## Introduction

The purpose of this project is to create an Adventure Sports Website for "WildRush Adventures" that showcases various adventure sports activities offered by the company. The website aims to provide users with information about different adventure sports, allow them to request a personalized quote for their preferred activities, and learn more about the founding team behind the company. The project aims to attract adventure enthusiasts, promote the company's services, and facilitate easy communication with potential customers.

## Project Proposal

We want to make a website for people who love adventure sports. The website will have a lot of different activities to choose from, and it will be easy to use.

### Views

1. **Sign-up / Sign-in:** Users can create an account on the website and easily sign in to access personalized offers and experiences.
2. **Homepage:** The homepage will be a captivating introduction to our adventure sports services, showcasing our passion and expertise.
3. **Adventures:** Users can browse through various adventure activities, and by clicking on an activity, they can view details about the adventure.
4. **Request a Quote:** Users have the option to customize their adventure events according to their preferences and calculate the total price.
5. **Contact:** This page will provide users with contact information, social media links, and ways to get in touch with us.
6. **Reviews:** We will showcase user experiences and testimonials to build trust and credibility.

7. **Logout:** A straightforward option for users to log out of the website after their adventure journey.
8. **Profile :** This page will provide users to edit their information including username, first name and last name.

## Technologies

### Backend Technologies

The backend of the Adventure Sports Website has been developed using Python. Python was chosen as the backend language due to its simplicity, readability, and extensive libraries and frameworks that make web development efficient and straightforward.

1. **Flask:** Flask is a lightweight and flexible Python web framework that allows for rapid development of web applications. It was chosen for its simplicity, ease of use, and ability to handle the project's requirements efficiently.
2. **SQLAlchemy:** SQLAlchemy is an Object-Relational Mapping (ORM) library used for database interactions in Python. It provides a high-level abstraction over the database, making it easier to work with the database models and queries.
3. **SQLite:** SQLite is a self-contained, serverless, and zero-configuration database engine. It was selected for its simplicity and suitability for small to medium-sized projects.

### Frontend Technologies

1. **HTML5/CSS3:** HTML5 and CSS3 were used for structuring the web pages and applying styles to achieve a visually appealing and responsive design.
2. **Semantic UI:** Semantic UI is a modern CSS framework that provides a set of beautiful, user-friendly, and consistent UI components. It was chosen to speed up frontend development and maintain a consistent design across the website.
3. **JavaScript:** JavaScript was used to add interactivity and enhance the user experience on the website. It is used for form validation, dynamic content, and smooth transitions.

# **Functionalities:**

## **1. Users can create a new account using the signup form.**

- Upon submission, the user is prompted with a success message and their details are stored in the database.
- Passwords are hashed using `bcrypt` before they are stored in the database.
- More details on password hashing can be found in the references.

## **2. Users can log in using the login credentials created during signup.**

- If the credentials are valid, the user is redirected to the home page.
- If the credentials are invalid, the user is prompted with an error message that specifies the type of error.
- Possible errors are:
  - Username does not exist.
  - Password is incorrect.

## **3. Users can view the company's information, objectives, and team members on the home page.**

## **4. Users can view the list of adventures available on the adventures page.**

- They can click on an adventure to view more details about it.

## **5. Users can also view the reviews page to see what other customers have said about the company.**

## **6. Users can contact the company by filling out the contact form.**

- Upon submission, the user is prompted with a success message and their details are stored in the database.

## **7. Users can request a quote for an adventure by filling out the quote form.**

- Upon submission, the user is shown the cost of the adventure.
- To get a quote, the user must be logged in. Only logged-in users can request a quote.

**8. Users can also edit their profile details, such as their username, first name, and last name.**

- If the username already exists, the user is prompted with an error message.
- If the username does not exist, the user is prompted with a success message and their details are updated in the database.
- The user is immediately logged out after updating their profile details if their username is changed.

**9. Users can log out by clicking the logout button in the navigation bar.**

- Upon logging out, the user is redirected to the home page.

**10. For logged-in users, the navigation bar displays the profile and logout buttons.**

- For non-logged-in users, the navigation bar displays the login/signup buttons.

**11. If the user is already logged in, parts of the quotation and contact forms are pre-filled with the user's details.**

- The user is allowed to edit the pre-filled details.

**12. Users can also delete the account by going to the profile page. This will log them out and delete the details from the database.**

## Results

### Home Page

The home page of the Adventure Sports Website provides an overview of the company's offerings, captivating images of adventure activities, and a brief introduction to the founding team. A clean and attractive design encourages users to explore further.

## Welcome to WildRush Adventures!

### About Us:

At WildRush Adventures, we believe life is meant to be lived to the fullest, embracing the untamed spirit of the wild and seeking exhilarating moments that leave a lasting impact. We are not just an adventure sports company; we are a gateway to an extraordinary world of adrenaline-fueled experiences.

Embrace the rush as you dive into a world of heart-pounding activities that push your limits and awaken your sense of adventure. From soaring through the sky on a zipline, scaling majestic cliffs, and conquering raging rapids to exploring hidden trails on a mountain bike or embarking on awe-inspiring treks to uncharted territories - we've got it all!

Our team of passionate and experienced guides ensures your safety while creating memories that will stay etched in your heart forever. Whether you're an adrenaline junkie seeking the next big thrill or a nature lover eager to explore the beauty of the great outdoors, WildRush Adventures has the perfect escapade for you.

Join us on an unforgettable journey as we take you off the beaten path, away from the ordinary, and into the realm of wild adventure. Come, let's write a story of adrenaline, courage, and camaraderie together - a story that starts with WildRush Adventures. Are you ready to embark on the ultimate adventure of a lifetime? Let's make it happen!

### Our Objectives:

**Unparalleled Adventure:** We are committed to curating a diverse array of adrenaline-pumping activities, from heart-stopping bungee jumps to adrenaline-fueled white-water rafting, ensuring that every adventure enthusiast finds their perfect rush.

**Safety First:** While we thrive on pushing the limits, your safety is our utmost priority. Our experienced and certified guides meticulously plan each expedition, ensuring the highest safety standards, so you can immerse yourself in the thrill without any worries.

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**Environmental Stewardship:** We have a deep reverence for the natural world and the environments that host our adventures. We pledge to operate sustainably, leaving no trace behind, and actively participating in conservation efforts to preserve the wilderness for generations to come.

**Memorable Experiences:** We don't just offer adventures; we craft unforgettable memories. Our team goes the extra mile to ensure that every moment with WildRush Adventures is filled with laughter, camaraderie, and a sense of accomplishment.

### Founding Team:



**Chelpuri Sai Madhav**  
Mountaineer

Sai Madhav is an experienced mountaineer with a passion for exploring the world's highest peaks. His love for adventure and nature led him to co-found WildRush Adventures to share his enthusiasm with others.



**Kodimela Siddarth Sharma**  
Surfer

Siddarth Sharma is a professional surfer and ocean enthusiast. He is dedicated to promoting sustainable adventure tourism and empowering individuals to embrace the thrill of the waves.



**Prudhvi Raju Gadireaju**  
Climber

Prudhvi is a passionate climber and a certified climbing instructor. He is committed to sharing his love for the sport and helping others discover the joy of scaling new heights.



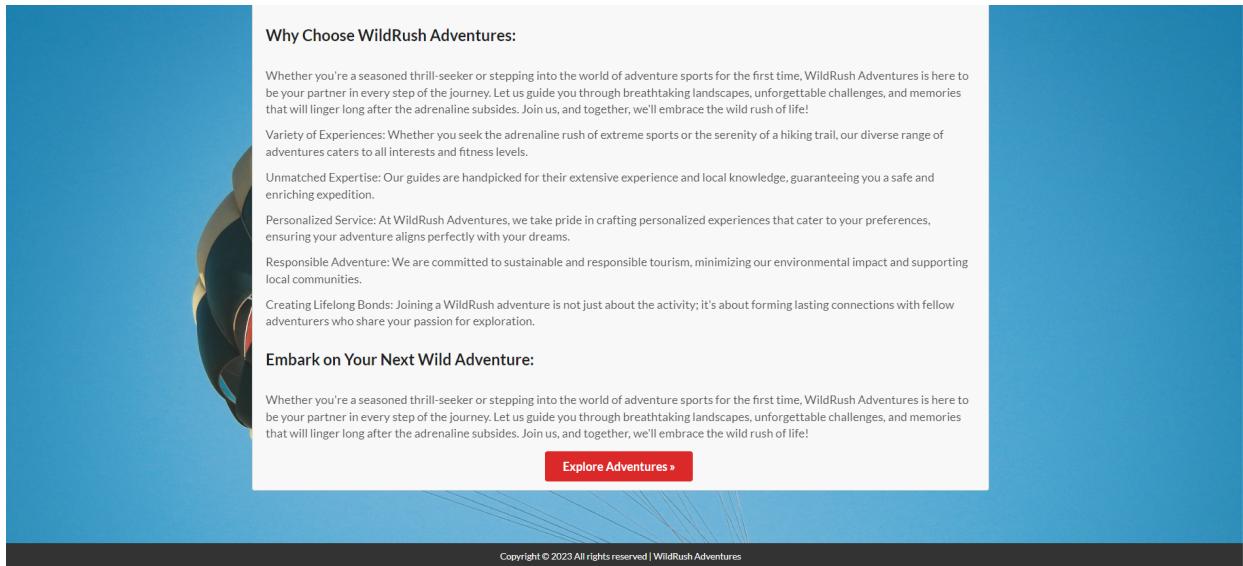
**Mahith Anunath Reddy**  
Rafting Guide

Mahith Anunath Reddy is a certified rafting guide and a passionate conservationist. He is dedicated to protecting the environment and promoting sustainable tourism.



**Goutham Reddy potlacheruvu**  
Bungee Jumper

Goutham Reddy is a professional bungee jumper and a certified instructor. He is committed to sharing his love for the sport and helping others discover the joy of scaling new heights.



**Why Choose WildRush Adventures:**

Whether you're a seasoned thrill-seeker or stepping into the world of adventure sports for the first time, WildRush Adventures is here to be your partner in every step of the journey. Let us guide you through breathtaking landscapes, unforgettable challenges, and memories that will linger long after the adrenaline subsides. Join us, and together, we'll embrace the wild rush of life!

**Variety of Experiences:** Whether you seek the adrenaline rush of extreme sports or the serenity of a hiking trail, our diverse range of adventures caters to all interests and fitness levels.

**Unmatched Expertise:** Our guides are handpicked for their extensive experience and local knowledge, guaranteeing you a safe and enriching expedition.

**Personalized Service:** At WildRush Adventures, we take pride in crafting personalized experiences that cater to your preferences, ensuring your adventure aligns perfectly with your dreams.

**Responsible Adventure:** We are committed to sustainable and responsible tourism, minimizing our environmental impact and supporting local communities.

**Creating Lifelong Bonds:** Joining a WildRush adventure is not just about the activity; it's about forming lasting connections with fellow adventurers who share your passion for exploration.

**Embark on Your Next Wild Adventure:**

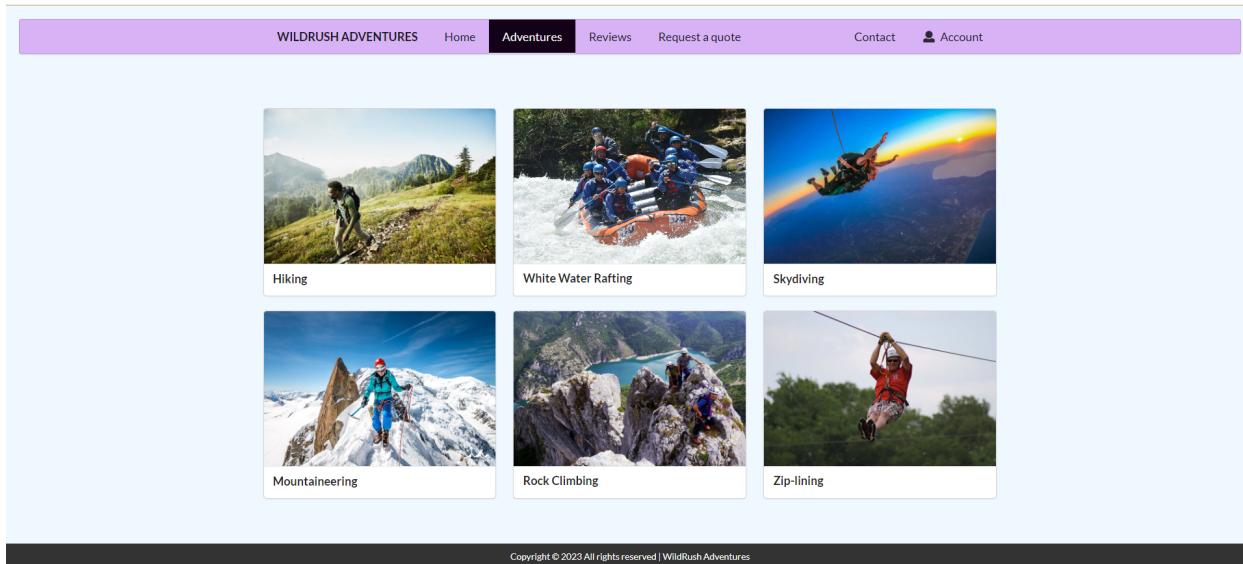
Whether you're a seasoned thrill-seeker or stepping into the world of adventure sports for the first time, WildRush Adventures is here to be your partner in every step of the journey. Let us guide you through breathtaking landscapes, unforgettable challenges, and memories that will linger long after the adrenaline subsides. Join us, and together, we'll embrace the wild rush of life!

[Explore Adventures »](#)

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## Adventure Sports Page

Each adventure sport has its dedicated page showcasing detailed information, such as activity description and cost. Users can view images related to each activity, enticing them to sign up for their preferred adventure.



The website features a purple header bar with navigation links: WILDRUSH ADVENTURES, Home, Adventures (which is highlighted in black), Reviews, Request a quote, Contact, and Account.

The main content area displays six adventure activities in a grid:

- Hiking:** An image of a hiker on a grassy mountain slope.
- White Water Rafting:** An image of a raft filled with people navigating turbulent water.
- Skydiving:** An image of a skydiver falling towards a sunset.
- Mountaineering:** An image of a climber on a snowy mountain peak.
- Rock Climbing:** An image of climbers on a rocky cliff face.
- Zip-lining:** An image of a person zip-lining across a valley.

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**WILDRUSH ADVENTURES** Home Adventures Reviews Request a quote Contact Account



**Hiking**

★★★★★ 4.7(21)

Price Per Person \$50

**About This Adventure**

Hiking with WildRush Adventures offers a truly immersive experience, where nature's wonders become your playground. Whether you're a seasoned trekkier or a first-time hiker, our carefully curated hiking trails cater to all skill levels. Traverse lush forests, discover hidden waterfalls, and breathe in the fresh mountain air as you explore the most scenic landscapes. Our expert guides lead you through diverse terrains, ensuring safety and providing fascinating insights into the local flora and fauna. Get ready to challenge yourself, forge new connections with fellow hikers, and create cherished memories that will stay with you long after the journey ends.

[Get a Quote](#) [Contact](#)



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**WILDRUSH ADVENTURES** Home Adventures Reviews Request a quote Contact Account



**White Water Rafting**

★★★★★ 4.3(27)

Price Per Person \$100

**About This Adventure**

White-water rafting with WildRush Adventures is the ultimate adrenaline rush. Brace yourself as you tackle roaring rapids and navigate through thrilling twists and turns in some of the world's most exciting rivers. Our experienced rafting guides ensure that you are equipped with the right gear and safety equipment, allowing you to focus on the sheer excitement of the journey. Whether you're out for a leisurely family rafting trip or a heart-pounding adventure, you'll be surrounded by stunning landscapes and the camaraderie of your rafting crew. From beginner-friendly routes to challenging runs, white-water rafting promises an exhilarating experience that will leave you with a sense of accomplishment and a newfound love for the water.

[Get a Quote](#) [Contact](#)



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**WILDRUSH ADVENTURES** Home Adventures Reviews Request a quote Contact  Account



## Sky Diving

 4.3(27)

Price Per Person \$200

### About This Adventure

Embark on the adventure of a lifetime with WildRush Adventures' skydiving experiences. Feel the rush of adrenaline as you soar through the sky, reaching speeds of up to 120 miles per hour during freefall. Our tandem skydiving jumps allow you to experience the thrill of skydiving with the reassurance of being harnessed to a certified instructor. Take in breathtaking views as you float under a parachute, gently descending back to the earth. Whether you're celebrating a special occasion or conquering your fear of heights, skydiving promises an unforgettable and liberating experience that will stay etched in your memory forever.

[Get a Quote](#) [Contact](#)

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**WILDRUSH ADVENTURES** Home Adventures Reviews Request a quote Contact  Account



## Mountaineering

 4.3(27)

Price Per Person \$150

### About This Adventure

Mountaineering with WildRush Adventures is a test of determination and a celebration of human spirit. Conquer majestic peaks, challenge yourself to overcome rugged terrains, and experience the satisfaction of reaching awe-inspiring summits. Our mountaineering expeditions cater to both novice climbers and seasoned alpinists, providing expert guidance, top-notch equipment, and carefully planned routes. As you ascend to new heights, you'll be rewarded with breathtaking vistas and a sense of accomplishment like no other. Whether it's scaling iconic peaks or exploring lesser-known summits, mountaineering allows you to embrace the beauty of untouched wilderness and discover your inner strength.

[Get a Quote](#) [Contact](#)

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**WILDRUSH ADVENTURES** Home Adventures Reviews Request a quote Contact  Account



## Rock Climbing

★★★★★ 4.3(27)

Price Per Person \$100

### About This Adventure

Rock climbing enthusiasts will find their passion come alive with WildRush Adventures' rock climbing experiences. Explore the vertical world of natural rock formations or state-of-the-art climbing walls, where every ascent is a puzzle to be solved. Our certified climbing instructors offer guidance to climbers of all abilities, ensuring a safe and exhilarating journey to the top. Whether you're seeking to improve your climbing skills, or simply enjoy the thrill of scaling heights, rock climbing promises a rewarding challenge that encourages teamwork, problem-solving, and personal growth. Discover the joy of defying gravity and revel in the sense of achievement as you reach the summit.

[Get a Quote](#) [Contact](#)

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**WILDRUSH ADVENTURES** Home Adventures Reviews Request a quote Contact  Account



## Zip Lining

★★★★★ 4.3(27)

Price Per Person \$100

### About This Adventure

Ziplining with WildRush Adventures is a high-flying escape that lets you experience the world from a bird's-eye view. Glide through the air on secure cables, soaring lush canopies and awe-inspiring landscapes. Our ziplining courses are designed to blend adventure with an appreciation for nature, as you soar from one platform to another, gaining a unique perspective of the surroundings. Whether it's a family-friendly ziplining tour or an adrenaline-charged zip-line canopy tour, our experienced guides ensure your safety and enjoyment throughout the journey. Ziplining promises a thrilling adventure that combines exhilaration with an eco-friendly way to explore the great outdoors.

[Get a Quote](#) [Contact](#)

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## Reviews Page

The reviews page displays a list of reviews from customers who have used the company's services.

## Reviews



**"Wildlife Adventures Company exceeded all expectations!"**

The knowledgeable guides made our safari expedition a truly educational and thrilling journey. Their attention to detail and commitment to conservation made the experience even more meaningful. Can't wait to join them again for more wilderness adventures!

– Kalyan Reddy Kunduru



**"A fantastic wildlife adventure awaits with this company!"**

The team's expertise and love for nature are evident in every step of the journey. The encounters with wildlife were awe-inspiring, and the entire trip was flawlessly organized. Highly recommend to anyone seeking an authentic and immersive wildlife experience.

– Sudheer



**"Wildlife Adventures took us on a wild ride!"**

From river rafting amidst stunning landscapes to encountering rare species on captivating safaris, every moment was filled with excitement. Their passion and dedication made us feel safe and well-cared-for throughout the trip. Kudos to the excellent team!

– Prakash



**"An Enchanting Encounter with Wildlife and Nature!"**

I can't thank Wildlife Adventures enough for the magical experience they provided. The team's deep understanding of the ecosystem and its inhabitants added immense value to the trip. Their commitment to eco-friendly practices was heartening to witness. It's clear they genuinely care about the environment and the animals they share it with.

– Jithendar Reddy



**"An amazing life experience!"**

Wildlife Adventures creating unforgettable experiences with educational appreciation with a creative touch.

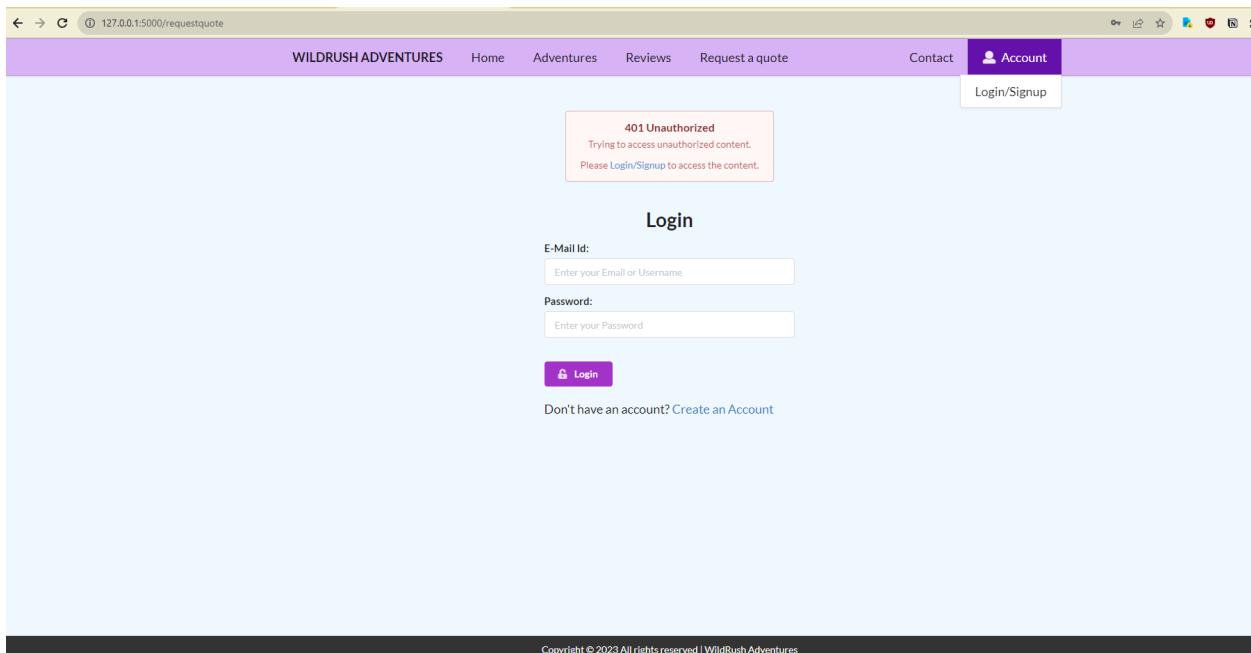
– Naveen

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## Request a Quote Page

The "Request a Quote" page features a form where users can provide their contact information, select the adventure sport they are interested in, specify the number of participants, and choose preferred dates. This form allows users to submit personalized inquiries and receive quotes from the company.

This page view has been protected using Flask-Login Extension. Only Authenticated users are allowed to request the quote.



127.0.0.1:5000/requestquote

WILDRUSH ADVENTURES Home Adventures Reviews Request a quote Contact Account Login/Signup

401 Unauthorized  
Trying to access unauthorized content.  
Please [Login/Signup](#) to access the content.

Login

E-Mail Id:

Password:

Don't have an account? [Create an Account](#)

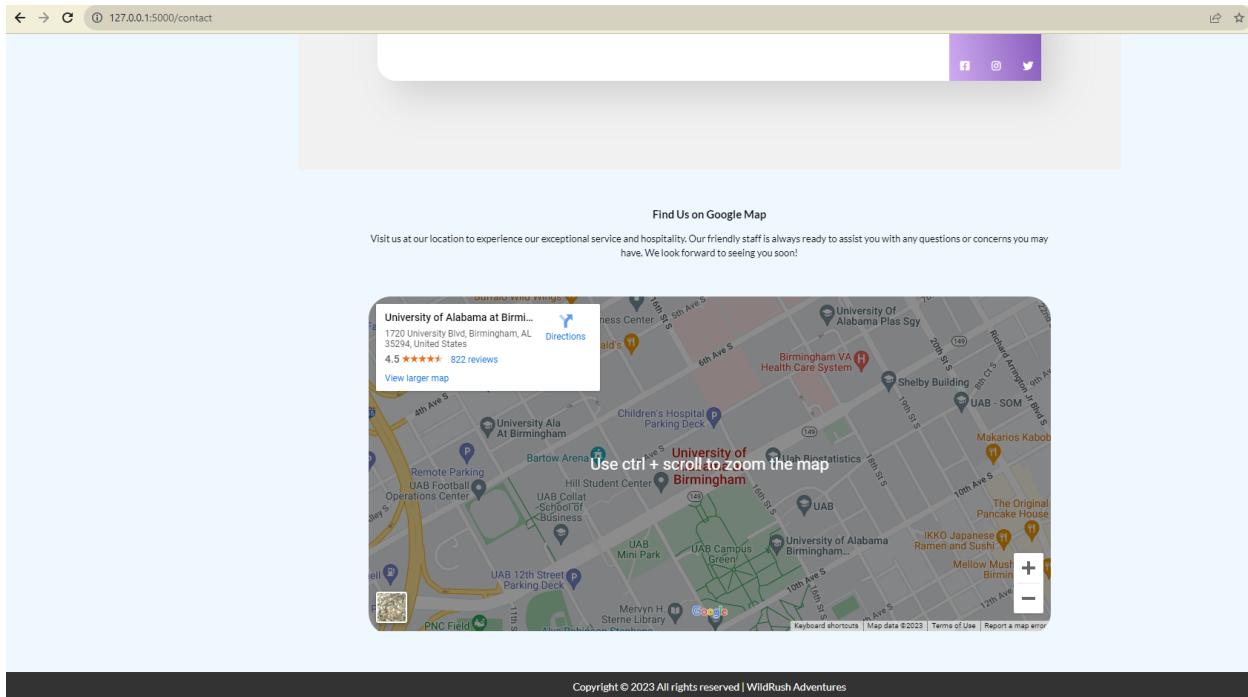
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The screenshot shows a web browser window with the URL 127.0.0.1:5000/requestquote. The page has a purple header bar with the company name 'WILDRUSH ADVENTURES' and navigation links for Home, Adventures, Reviews, Request a quote, Contact, and Account. The Account link is highlighted with a dropdown menu showing Profile and Logout options. The main content area is titled 'Request a Quote' and contains fields for selecting adventure sports type (Hiking), number of people (1), travel dates (From: 31-07-2023, To: 01-08-2023), and email (chelpuri@gmail.com). There are 'Calculate Cost' and 'Reset' buttons at the bottom.

## Contact Page

The Contact page includes a contact form through which users can send messages and inquiries directly to the company. Essential contact information is also displayed for quick access.

The screenshot shows a web browser window with the URL 127.0.0.1:5000/contact. The page has a purple header bar with the company name 'WILDRUSH ADVENTURES' and navigation links for Home, Adventures, Reviews, Request a quote, Contact, and Account. The Contact link is highlighted. The main content area is titled 'Contact Us' and contains a form for entering Name (chelpuri@gmail.com), Message, and a checkbox for receiving communications. A sidebar on the right is titled 'Contact Info' and lists the phone number +1 8009 054294, email info@wildrushadventures.com, and address House Number, Area Name, City, State, Country. Social media icons for Facebook, Instagram, and Twitter are at the bottom right.



## Login, Register and Profile Pages

The Login and Register pages provide secure authentication and account creation options for users, enabling them to access exclusive features and personalized services.

The screenshot shows the login page for WildRush Adventures. The top navigation bar has links for 'WILDRUSH ADVENTURES', 'Home', 'Adventures', 'Reviews', 'Request a quote', 'Contact', and 'Account'. Below the navigation is a purple header bar with the word 'Login'. The main form area contains fields for 'E-Mail Id:' with the value 'chelpuri@gmail.com' and 'Password:' with a masked value. A 'Login' button with a lock icon is located below the password field. At the bottom of the form, there's a link 'Don't have an account? [Create an Account](#)'. The footer of the page includes a copyright notice: 'Copyright © 2023 All rights reserved | WildRush Adventures'.

## Discussions / Future Works

The Adventure Sports Website has been successfully developed and deployed, providing users with a comprehensive platform to explore adventure sports activities and engage with the company. However, there are areas for potential enhancements and future improvements:

- User Profiles:** Implement user profiles, allowing users to view their activity history, saved preferences, and personalized recommendations.

2. **Booking and Payment Integration:** Integrate a booking system and payment gateway for users to book adventure activities directly through the website.
3. **Admin Dashboard:** Develop an admin dashboard to manage adventure activities, user inquiries, and reviews.
4. **Interactive Map:** Include an interactive map showing the locations of different adventure activities to help users plan their trips.
5. **Social Media Integration:** Add social media sharing buttons to allow users to share their adventure experiences and reviews on various platforms.

The Adventure Sports Website project successfully brings together adventure enthusiasts and the thrill of various sports activities. Its use of Flask and Semantic UI creates an interactive and visually appealing experience. Future enhancements can further enhance the website's functionality and user engagement.

## References

During the development of this project, various online resources, tutorials, and documentation were referenced. Below are some of the key references:

1. **Flask Documentation:** <https://flask.palletsprojects.com/en/2.1.x/>
  2. **Flask-SQLAlchemy Documentation:** <https://flask-sqlalchemy.palletsprojects.com/en/3.0.x/>
  3. **Flask-Login Documentation:** <https://flask-login.readthedocs.io/en/latest/>
  4. **Flask-Bcrypt Documentation:** <https://flask-bcrypt.readthedocs.io/en/1.0.1/>
  5. **Semantic UI Documentation:** <https://semantic-ui.com/>
  6. **Bootstrap Documentation:** <https://getbootstrap.com/docs/4.1/>
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