

Team Arabian Knights

Red Bull Soap Box Race

The Arabian Knights present to you...

“The Bedouin Bullet”!



CONFIDENTIAL

Why Choose Our Team:



What makes our group special, besides our various creative and technical skills, is our unique friendship over the years. Our group's friendship has spanned about 20 years now, and through the years, we have collaborated on small projects and adventures together. We plan to utilize our friendship and wide array of skills to bring our unique background and concept to life.

Team Members:

Aws Salahaldin:



Age 28

I am the founder and lead Structural Engineer of AAA Engineering Design. My firm is a Southern California based structural engineering company that specializes in commercial and residential structural design. I hold a professional license in California (C95446) as a civil

engineer with a structural focus. During my time attending the University of California, Irvine for my Bachelor's degree in Structural Engineering, I was the Structural Captain for the EERI (Earthquake Engineering Research Institute), where we designed a 25 story skyscraper and tested it seismically to find the most adequate seismic resistance system.

Ammar Dalati:



Age 28

I am a Senior Mechanical Engineer at Parker Hannifin as a lead designer of Ammunition Handling Systems and Aircraft Countermeasure systems. I graduated from California State University, Fullerton, with my Bachelor's and Master's Degree in Mechanical Engineering. During my time at Cal State Fullerton, I was the team captain of the Formula SAE Team, where I led other students to design, build, and race a car against other universities. I am also a huge fan of Max Verstappen and the Red Bull Racing Team.

Gassan Bundakji:



Age 28

I am a software engineer at an AI company with a background in software engineering, finance, and real estate. I have earned a software engineering degree from the University of California, Irvine, and a finance degree from California State University, Fullerton. I am currently using my experience to build an AI software system that helps city officials expedite their inspection of architectural plans when submitting for permitting. With a strong passion for cars, I also install paint protection film for exotic cars at an exotic car dealership during my free time.

Bassil Dakelbab:



Age 28

Throughout my life, I have always had an interest in building anything I could imagine. Currently, I am an electrical engineering student set to graduate within the year. While pursuing my degree, I extend my passion to build through my YouTube/TikTok channel, BasBuilds, where I create tools and add-ons for homes and vehicles, mainly for the outdoors.

Obayda Zuieter:



Age 28

As a car enthusiast, I started my journey working at an exotic car dealership. I built a network of clients and close partnerships, to which I capitalized on and opened OBZU, my exotic car dealership. Through my business, I have been able to travel across the country to special events for Ferrari, McLaren, Porsche, and more to explore their new vehicle listings and continue to work with individuals and corporations to make sure their exotic car reaches the perfect customer. I accompany this with my YouTube channel, which breaks down our process and explores newly released models.

The Bedouin Bullet:

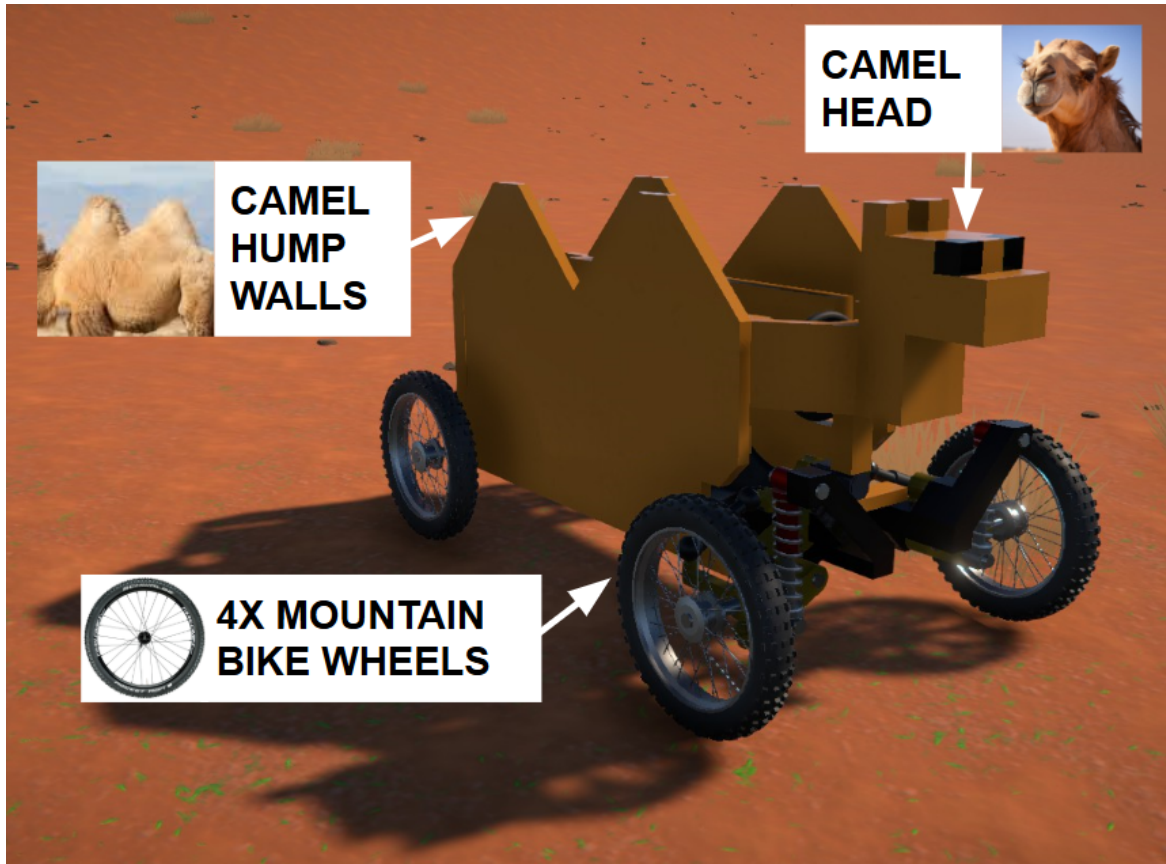
The Bedouin Bullet has a simple yet *elegant* design that uses a steel frame, mountain bike wheels for locomotion. The camel shown is more pixelated than the team plans to use for the final build. The prototype model shown was created in *GearBlocks*. The Bedouin Bullet shall use independent suspension for the front wheels and no suspension on the rear. The Bedouin Bullet has a theoretical land speed limit of 671 million miles per hour.

The Bedouin Bullet is designed to withstand the soap box street circuit of Los Angeles. Designing for the streets of Los Angeles means the Bullet must be able to withstand high jumps, potholes, oil slicks, and nails from the constant construction nearby.

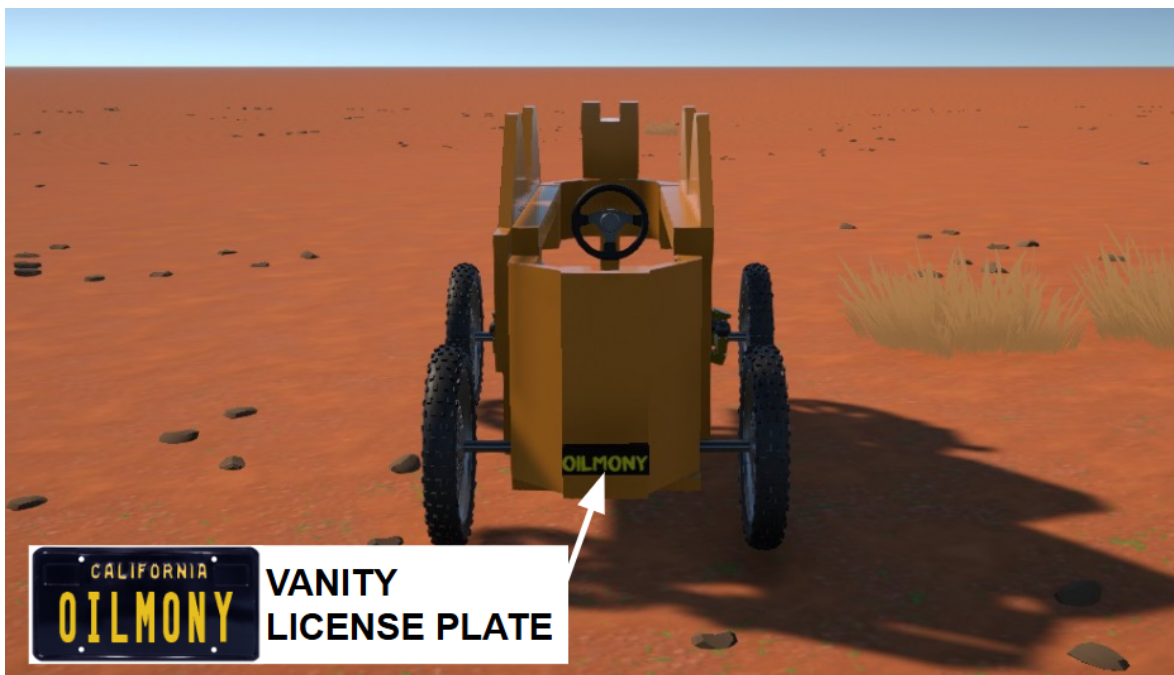
The Bedouin Bullet was designed to have two seats, as a core tenet of our team's philosophy is that the car must be fun to ride, and riding with a friend is **always** more fun.

The Bedouin Bullet will include the *California 1960s Legacy License Plate*, which is a staple of California local culture. The race we are entering is in Los Angeles, therefore, it behooves us to include a piece of local culture on our car.

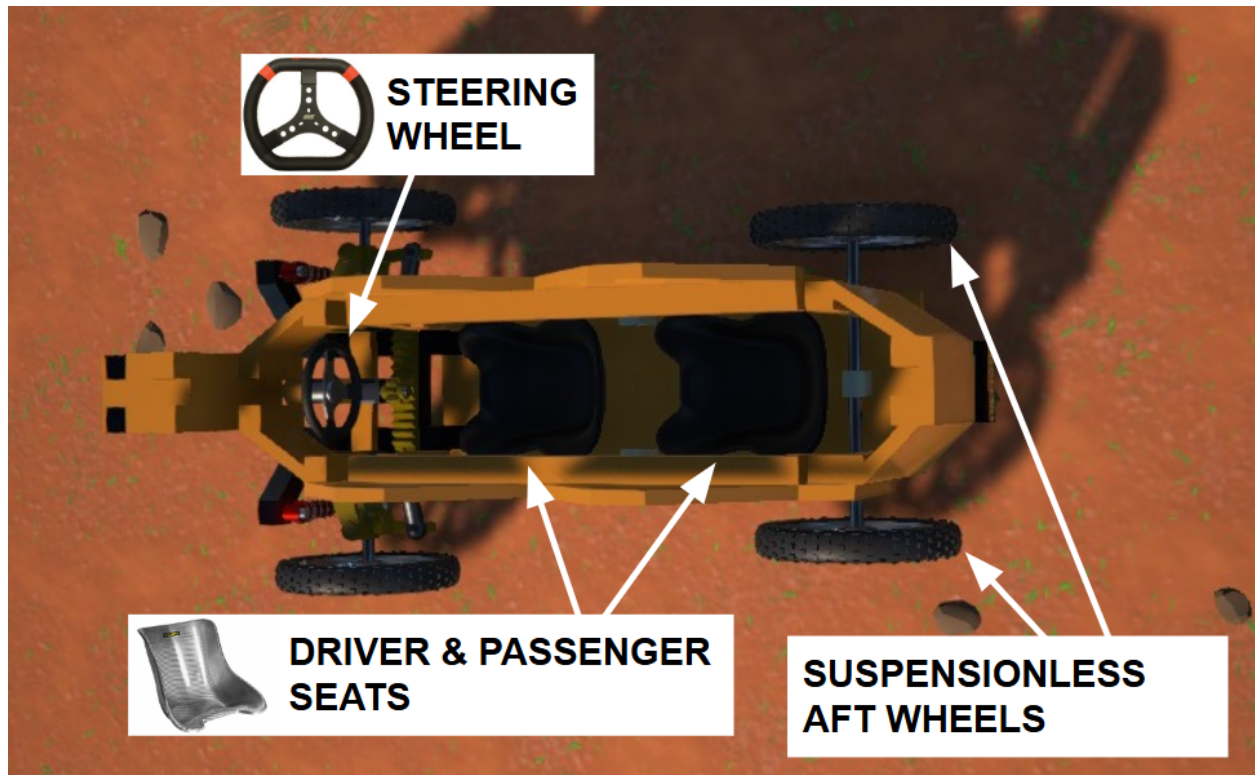
The camel shape will be created using papier mache, and using chicken wire to make the 3D shape, allowing it to be lightweight yet sturdy. With synthetic fur and a pair of sunglasses as a final touch.



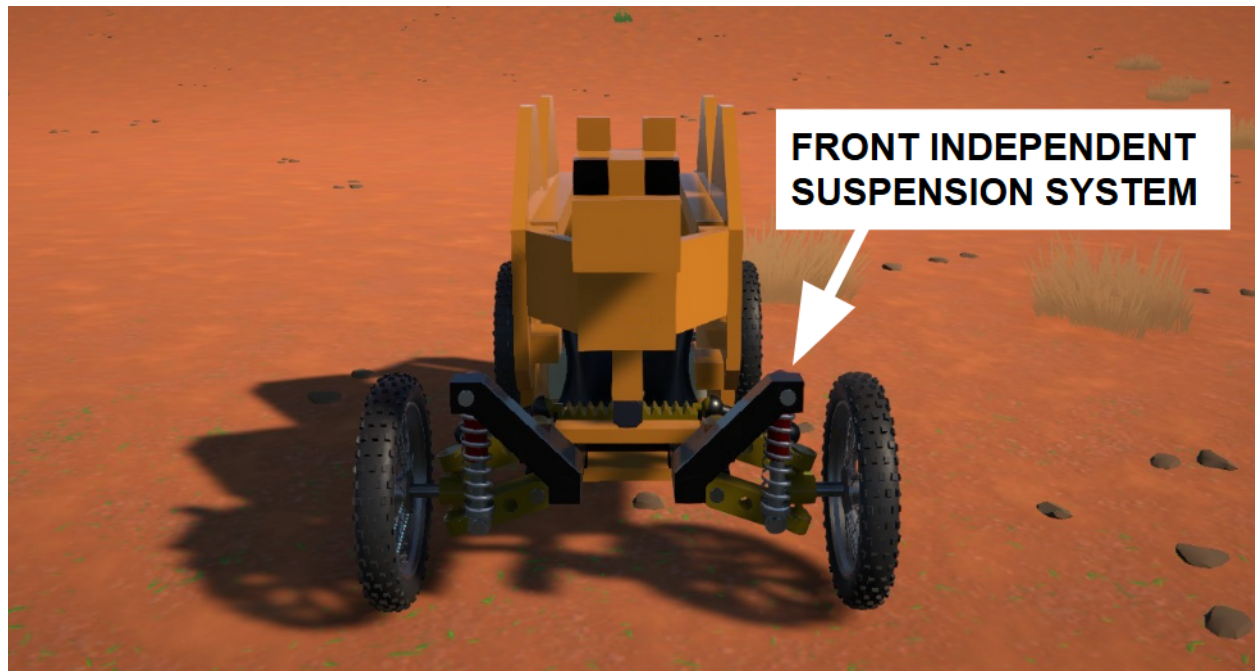
Isometric View of the Bedouin bullet



Aft View of the Bedouin bullet



Top View of the Bedouin bullet



Front View of the Bedouin bullet

Pre-race show:



Attire:

Our team will be dressed in traditional Middle Eastern garb, which includes a white Thobe and a red Kufiya (headscarf). The significance of this outfit is the connection to our collective heritage. Our team is made up of people from Palestine, Iraq, and Syria. It is a visual marker of our identity as Arabs that signifies modesty, tradition, and elegance. This is also worn to protect you from the heat. More specifically, the headpiece is worn to protect your neck from the sun and your face from the Arabian sands.

Dance:

The dance we will be performing is called the Dabke with traditional Arabic music. The dabke is a Levantine folk dance that is performed during joyous occasions and celebrations, signifying social ties with the people of the Levant, including Palestine, Syria, Iraq, Jordan, and Lebanon. This dance fosters a sense of community, bringing people together through dance and music. We hope you enjoy it as much as we do!