Animal Vehicle Safety

User Need Statement

We want to create a device that will fit in any vehicle and ensure the safety of a cat or dog in a vehicle crash.

Purpose

Many pet owners choose to bring their pet along with them on road trips or even visits to a vet. This device will prevent harm to the animal in the event that a vehicle accident occurs and keep them safe.

Target Audience

- Has cat or dog
- Cares for pet’s safety
- Takes them on trips
- Allows the pet to sit in the back seat

User Needs

1. Device should be water resistant
2. Comfortable for the animal
3. Easy to use
4. Inexpensive
5. Adjustable
6. Fit in most vehicles
7. Durable
8. Removable from car
9. Lightweight
10. Strong enough to protect animal from car crash

Next Steps for Development and Test

Research will be conducted on current products on the market, methods for testing and validation, as well as the different anatomies and physiologies of animals that can benefit from this product. Afterwards, a prototype can be made and tested.

Commercialization Plan & Partners

We plan to work with local animal shelters and a vehicle safety professional.

The vehicle safety professional will give us an idea of what the device should look like and what materials we should use based on our budget.

We will work with animal shelters to commercialize our device.