



Colorado School of Mines Fall 2020 Field Session Project Proposal: Rocky Mountain Labrador Rescue Operations

Project Overview

Team size: 3-5 team members

Location & Collaboration: Local to Mines campus with remote collaboration with Rocky Mountain Lab Rescue (RMLR) and World Wide Technology (WWT) team members using Zoom or Google Meetup. Both companies are based locally in Denver, CO, with some WWT mentors in St. Louis, MO.

Project Goal: Design a web-based solution for Rocky Mountain Lab Rescue to manage adopter applications, volunteer management, and rescue dog information. The solution could also integrate mobile interactions for adopters and volunteers.

Stakeholders: RMLR is the primary customer. WWT will mentor the student team in the development of requirements, structuring a software-based solution and structuring the development project in order to deliver the designed solution.

Skills Desired: Some basic coding skills, familiarity with databases, web and / or mobile development. As long as you're willing to learn, we're excited to work with you!

Organizational Operations

RMLR is run by a small group of volunteers who reside primarily across the Denver metro front range geography. All the dogs that are rescued and made available for adoption are cared for by individuals who volunteer to foster them in their homes and help facilitate the adoption process with approved adopters. RMLR relies on these volunteers' coordination of their work which is wholly done asynchronously through email, phone calls and the Google suite of products.

Dog Intake & Care

Some RMLR volunteers coordinate with a nationwide network of animal shelters and individuals who wish to surrender their dog to RMLR. Often the intake of a dog involved coordinating transportation services and paperwork processing to transfer them to RMLR, and volunteers coordinate with approved fosters to assign an incoming dog to an available, approved foster home. Some of these dogs require medical care which is coordinated with volunteers and the dogs' fosters.

Adoption Services

Other RMLR volunteers assist with processing applications submitted through RMLR's website for people interested in adopting a rescued dog. These volunteers coordinate the adoption process by connecting approved adopters with the dogs' fosters and oversee the adoption process.

Events & Fundraising

RMLR also hosts fundraising and community awareness events throughout the year to support their operations. This work involves coordinating interested and available volunteers to help.

All of RMLR's operations are managed through spreadsheets and text documents in the Google Suite. RMLR is looking for an easier, more robust solution to manage information, workflow and its operations. World Wide Technology provides consultative software development services and will mentor a team of students to design concepts for this solution.

- Define the project scope
- Define solution requirements
- Design viable solution options
- Present your recommend solution to stakeholders
- Create the plan to implement an approved solution
- Build prototypes of your solution to bring these concepts to life

The solution should include how to represent this capability in the website application process and the mobile experience for adopters and volunteers in both applying and participating with RMLR.

It will be necessary for your team to sign a nondisclosure agreement prior to starting the project. WWT will provide laptop equipment with all the development tools you'll need to participate for the duration of field session.

The Opportunity for Your Team

- Your team will get to work with a full spectrum of solution components - web, mobile, databases and workflow. You'll have some latitude to suggest a variety of approaches that could potentially fit RMLR's needs.
- Your team will work alongside WWT mentors within one of our project teams. You'll learn our Agile working principles and software engineering methodology, hone your development skills with the guidance of our experts, and contribute to active project work.
- You'll get genuine field experience with 2 real organizations located in Colorado who are excited to have student collaborators.

About Rocky Mountain Lab Rescue

Rocky Mountain Lab Rescue is a non-profit 501©3 organization comprised completely of volunteers who rescue new "forever homes" for Labrador Retrievers and Lab mixes. Most of their rescue dogs come from out of state "high kill" shelters. These shelters are almost always full and many dogs are only given 4-5 days to find a new home before they are euthanized. They also work with local Lab owners who are unable to continue caring for their dog and have nowhere else to turn. RMLR is a 100% volunteer organization and puts every dollar towards these dogs' well-being. All dogs are placed in foster homes and the biggest expenses are veterinary care and transportation of these dogs from in-state and out-of-state locations to Colorado. <http://www.rockymountainlabrescue.com>

About World Wide Technology

WWT designs, builds, demonstrates and deploys innovative technology products, integrated architectural solutions and transformational digital experiences for our customers around the globe. We do this through a collaborative ecosystem with thousands of IT engineers, hundreds of application developers, and unmatched labs for testing and

deploying technology at scale. WWT is committed to helping our customers bridge the gap between IT and the business, and innovate faster than their competition.

WWT is a market-leading technology solution provider with a focus on innovation. We draw on our key strategic technology partnerships along with the deep expertise of our team at our state-of-the-art Advanced Technology Center in St. Louis and our world-class Digital Platform to deliver the most innovative ideas and solutions to all of our customers. WWT's division for Application Services builds custom software solutions for customers in a wide variety of industries. From back-end solutions and data management to stunning web applications and fully mobile solutions.

Our Application Services team also hosts an exciting summer internship program and a software developer apprenticeship program for apprentices to work alongside a WWT mentor within one of our project teams. There are many ways to join the path to full-time employment with WWT. <http://wwt.com>