

NM Trailmaster

Team



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Overview

Many New Mexicans can agree that the true beauty of this state is not found in Urban areas, but outside in nature. Our team feels that it is important to get a healthy dose of sunshine on a regular basis, and we wanted to create an app that makes it easy to find a place to do so.

According to nps.gov:

“Being in nature can boost your mood and improve **mental health**. Spending quality time in the great outdoors reduces stress, calms anxiety, and can lead to a lower risk of depression, according to a study done by researchers at Stanford University.”

With that in mind we created an app that provides information on popular trails in ABQ, as well as information on some of the more popular camp sites in NM.

NM Trailmaster is building a community of people who want to share their “sacred spots” with other nature-connoisseurs. Users will be able to upload photos and coordinates to trails they would like to share with the community. *NM Trailmaster* is a gateway to many paths others have walked in our beautiful southwestern landscape.

Intended Users

Our app was designed with New Mexicans in mind as we are trying to build a community of locals that would like to uplift each other up by sharing paths and experiences.

Potential users might include:

- People that are seeking alternative ways to exercise
- Students that are looking for budget-friendly way to entertain themselves
- Adventurers that are looking for a challenge
- Families seeking a weekend activity

Technologies

BACK END	FRONT END
Spring - Server	Android Operating System
Hibernate - ORM	Android Libraries
Apache Derby - SQL database	Google Sign In
Room - Entity/Dao Database relation	ReactivX - Async and observable tasks
Gson - Java object translator (Json)	Retrofit - Http mapping
SQLite - SQL language (Json)	
Digital Ocean - web hosting	
Oauth 2 - Authentication type (Google)	

Future Goals

- Camera feature/Gallery
- Challenge feature
- Ability to add campsites (depending on liability issues)
- Guest feature (user will be able to browse but not post)