PROJECT OVERVIEW

# Project Outline:

## Discovery Phase
➢ Colorado Camping Database from ETL Project
  ○ Colorado National Parks

## Strategy Phase
➢ Visiting the National Parks in Colorado
  ○ What to expect when visiting a Colorado NPs?
    ■ Tent, RV, and Recreational Visitors

## Design & Development Phase
➢ Colorado NPS Camping planner
  ○ Assisting in providing a useful recreational experience at any of the four parks

# Colorado's National Parks

# Fun Facts

### Rocky Mountain National Park
265,000 acres and 300 miles of hiking trails

### Great Sand Dunes National Park
Tallest dune is 750 feet

### Mesa Verde National Park
To date 4,400 archeological sites have been identified

### Gunnison National Park
Became a National Park in 1999
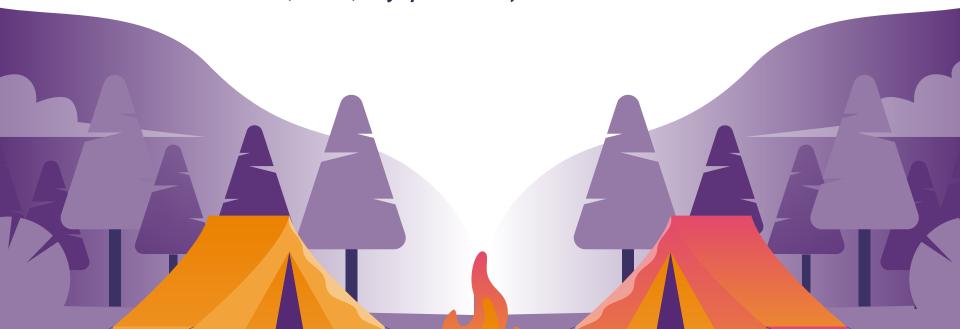
Data & UI

# Data Source & UI

- Data Source
  - Continuation of the ETL project
  - Our primary source of data came from the National Park Service Visitor User Statistics Collection (https://irma.nps.gov/STATS)). Their database provides users with information associated with recreational activities throughout the US.
  - Out of this data we decided that the most interesting data for a user driven app would be park use type that fall under the following categories:
    - Number of RV Campers
    - Number of Tent Campers
    - Recreational Visitors
- UI
  - In order to best represent our data and provide for the best user experience we felt  that a dashboard would work best for our front end design.

# DEMO

Sit back, relax, enjoy the campfire and our HOT demo

# Technical Specs

*Interactive HTML-based dashboard powered by a
Python Flask API, HTML/CSS, JavaScript, and a SQL database*

Project Type: A dashboard with build-in user driven interactions (dropdown menus)with multiple charts that update from the same data

HTML/CSS Template: Creative Tim templates

JavaScript Libraries: jquery.js, d3.js, plotly.js, leaflet.js, stars.js (VirtualSky.ico.global)*
*one that was not covered in class

SQL database: From ETL project

# of Records: 528

Final Visualizations: National Park Locations, Night Sky at Each Park, Camping Historical Activity, Local Weather Data

Bonus Visualizations: Campfire and Live Weather Conditions

Heroku: See ~~video link~~ written instructions

Happy Camping!