Mines Undergraduate Student Government Digger Drive Field Session Proposal

Background

The Undergraduate Student Government (USG) at Mines is the voice of the student body in all matters pertaining to students on campus. The mission of USG at the Colorado School of Mines is to facilitate the success of the undergraduate students by actively addressing concerns to improve academics, student life, and student organizations. Digger Drive, a safe ride program, is designed to be a free, non-judgmental service for Mines students that require a ride home under circumstances where their planned mode of transportation is compromised. The program's mission statement is 'Oredigger helping Orediggers.'

The program is similar to Uber or Lyft where students may request a ride home for free during any of our designated nights. We run around five weekends per semester and recruit around 20 volunteers per weekend: 10 of them are in the fleet team picking up students while the other 10 are in the call center receiving calls from students and sending out rides to those who call in. This program is unique where only Mines students can use it to get home from wherever they are within a five mile radius of the campus. Currently, students may call in to get a ride, where student volunteers take information down like location, phone number, and first and last name. Information is then used to look up the user profile on a spreadsheet, and dispatch a ride.

Project description

The goal is to develop a more user friendly way to get a ride, rather than having to call in. Ideally a web application with database capability would work well. The goal is to enable riders to request rides through the web app, and check to ensure all information provided through said app can allow for a rider to be picked up (as a result of legal criteria).

Skill set

General knowledge on web applications and database management with other miscellaneous computer science knowledge.

Team size & location:

A team of three to four students will be enough. There are no specific locations required for this project.