Solutions

Train tracking website

Tracking app for trains

App that send notifications about trains crossing your area

Bridge over the train tracks

Implimentation

Create a website with info on train routes

Input location, then find train traffic, if a train passes send a notification

Lobby Columbia to make bridges over train tracks

Design

Simple, easy to use, doesn't need tons of features

Dark mode

Let users change the distance that trains are tracked

Let users change the time of the map shown, using a slider

Customizable

Misc

People need something easy to use, that they can look at on the go.

Information needs to be displayed neatly, should be easy to understand

Hurdles

Finding information on the routes of commercial trains might be difficult

How can information be validated and accurate? Trains are sometimes late /canceled, how can we find reliable information

Can trains be tracked? Isn't that like public record or something?

Getting the city of columbia to do anything

Timing the notification with the speed of each train

Making notifications be early enough to be useful