

## Funding

**Free or pay for app?**

Advertisements or pop-ups for funding

## Time

**Ensuring accuracy of train times**

Estimation of how many trains will go over a crossing in a selected timespan

Give users time for both waiting and going around the train

estimation of how long the train will take to cross

Recommended leave time for ETA to be on time

**setting for different time zones**

Work with county/train company to get times

where does the train track cross? (street/etc)

Full map overview to see multiple/all train locations

## Routing

**users could save a route**

**Alternate Routes**

Give the fastest route that evade the train

suggest a new route if the train enters your original route on the GPS

**walking routes**

## Tracking

**Using Google Maps API**

Attach info with every train crossing, i.e. a photo of the crossing (or general area), average crossing times, etc.

"Heat Map" with crossings that have the most activity being a certain color

**How to track trains?**

Include other forms of public transportation that could affect traffic?

Reliable and automated scraping of public train time records

Allow users to track a specific train crossing

**Gps tracker for the user's phone**

Pilot locations? (i.e. what cities/areas do we want this in first?)

Include type of train/some kind of ID

maybe users can give updates like waze

## Alerts

**red alert everytime a train is near your location**

notification noise as train horn

Text reminders/ email reminders

Send a warning if a train is about to enter your GPS route

Alerts for railroad maintenance, when applicable

## General

<b>Security/ privacy setting</b>	<b>A language setting</b>
<b>Size of app</b>	Add train as form of transportation?
<b>Name of app?</b>	Each train has a different color associated with it
Website that also hosts the data so people can see times without having the app?	Attach info with every train crossing, i.e. a photo of the crossing (or general area), average crossing times, etc.

## Social

<b>Share a crossing time with friends</b>	Users can report whether or not train crossing times are correct so as to improve the app
<b>option to choose an avatar</b>	
Website that also hosts the data so people can see times without having the app?	