[GHOST BUS]

[GitHub link goes here]

**Summary**

*Ghost Bus is a tool for local transit agencies to create GTFS files for their transit routes. GTFS (General Transit Feed Specifications) is a data format developed by Google in partnership with Portland’s TriMet to enable developers to display transit data on different applications. For example, GTFS is the file format that allows Google Maps to display transit schedules to aid users in planning their trips. Ghost Bus would make invisible buses appear by letting any transit agency, no matter how small, create a GTFS feed of its own.*

**Tool Type**

*Government Tool*

**Core Team**

Erika S., Jiahuan K., Matthew R., Neelesh K., Maggie M., Paz B., Steve K.

**Primary Stakeholders**

*GMTMA – Greater Mercer Transportation Management Association*

**Primary User Stories**

*“As a Princetonian, I need to know where the buses are available and the best buses to take to my destination.”  
“As a transit manager, I need a better way to communicate our schedule to the public.”  
“As an app developer, I need an efficient tool to generate GTFS feeds from schedules and other printed material.”   
“As a Ghostbuster, I need to find the Ghost Bus.” –Jack K*

**Goals and Outcomes**

*We extracted Z Line bus schedule information and created GTFS files for GMTMA map app and we are creating a web app to streamline the process of GTFS file generation.*

**Resources Needed**

*Bootstrap, Javascript, PHP, Google Sheets, GTFS feed Validator, Slack, Github, Delicious Food. Beer.*

**Potential Blockers**

*No experts in coding. Lack of information on Bus routes , Unclear goals early on. Github management.*

**Timeline**

*We started the project two weeks ago and we set a clear goal before the hackathon. We created our manual version of GTFS file in the afternoon and developed the web app in the evening.*

**History and Context**

*GMTMA has a map app that can show all the NJ Transit and community bus routes and they are adding new bus routes to their app. In order to do that, they need the bus schedule in GTFS format to feed the app. We created such a GTFS file for them and we also developed a web app to streamline the process of creating GTFS files if they need them in the future.*

**References**

The Zline bus: <http://www.gmtma.org/pg-bus-zline.php>

Feed Validator: https://github.com/google/transitfeed/wiki/FeedValidator

Code Snippet: [jsfiddle.net/uselesscode/qm5ag/](http://jsfiddle.net/uselesscode/qm5ag/)

*Any references, data sources, articles, additional documents, etc.*