GOMETRO MAPPER – Specification Document

GoMetro Mapper is an app that is designed to serve as a tool for mapping transit routes and managing mapped data. The GoMetro Mapper App is inspired by the Transit Wand App (www.transitwand.com) and customised based on the needs of the GoMetro Mapping Team.

USERS:

Mappers – people who are riding public transport using the app to capture route data with the app. They may be recruited and trained by GoMetro - but they also may download the app as volunteers. When logged in tracking of the mapper's activity is initialized. We can use the same system to track and measure the individual mappers we pay as to their performance.

PRINCIPLES:

We want users to receive acknowledgement that they have mapped a particular route or captured a particular stop. These users will want to come to the site and see what it is about, and then see that routes are missing and be incentivized to go and capture these routes themselves - so there needs to be a global display of all mapped routes in a city. Once they have mapped a route, that route should be tagged and include their names/their profile as the person who captured this route… Even if they are capturing routes that have already been captured - they can go on the list of people who have confirmed a route.

We need to put the user's credit at the center of the experience!

PLANNING

A Mapper ahead of mapping the route needs to capture details about the planned route/s.

1. Route Planner – The Route Planner will enable the Mapper to capture information about the planned routes. This information will include route details that include:

- Route Name
- Start point
- End point
- Mode of Transport - The App should also enable a possibility of other forms of transport that are yet not known with the (Other) option
- Vehicle Capacity

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Approved By   Signed   Date

MAPPING

2. Journey Recorder – The Mapper may observe interesting aspects about the route which may be useful for future travelers. The Journey Recorder will allow the Mapper to document the trip while in transit:

- Recording of actual route via GPS

- Fare Recorder - The process of mapping a route includes capturing more than just the route but also information about fares. The Fare recorder should feature currency information of countries around the world.

- Passenger Info – The passenger info will allow mappers to capture information about the number of passengers on public transport. This information may include the views, comments or reasons for using public transport – such as travelling to work etc.

- Recording of stops

- Comments / Review / Key sightings of the route

- Ratings Criteria: Driving, Safety, Cost, Accessibility

  The Mapper will also observe various behavior patterns by the drivers and staff of various transport modes. The Rating functionality will enable the Mapper to rate staff and driver of the mapped route. The rating functionality can also be used to rate the route mapped in terms of safety, experience and aspects of interest about the route.

- Single/Return Trip - Some public transport modes travel once to a destination and do not return to the point of departure. The Single or Return Trip functionality will enable Mappers to indicate whether the trip is a return or single trip. - E.g. Bus travels from Bellville Terminal to Blaauwberg and there's no bus to from Blaauwberg to Bellville. A commuter to travel from Blaauwberg would have to use a minibus taxi.

- Suggestion Input - On the basis of experience Mappers may feel the need to suggest improvements on the route. The Suggestion Input feature will allow the Mapper to make suggestions based on observations.

POST MAPPING

3. Editing

As Mappers capture routes mistakes can occur either due to time or lack of clarity. The Editing feature will allow the Mapper to make corrections of data that may have been incorrectly captured. E.g. Destination, Safety rating etc.

4. Mapper Profile

The Mappers are crucial part of the Mapping process and therefore they should be recognized for their efforts. As part of recognizing mappers a Mapper Profile will form part of the tool to attribute each route.

The Mapper Profile may include the following details:
- Name
- Cell Number
- Picture
- Routes
- Planned routes
- Covered routes
- Route History
- Mapper Ranking

GoMetro Mapper App Breakdown

	Login

Home Screen → Options → Login / Sign Up / Settings

Planning
- Selection Screen ↔ Input details screen

List of planned item. User is to select one for editing or select create new option

Details: From, To, Mode of transport, Capacity

Capture
- Selection Screen ↔ Capturing Screen

List of planned items User is to select one for capturing

Details: GPS Status, passenger count, fare, safety rating, comments

Opportunity to complete while capturing or after

Review
- Selection Screen ↔ Review Screen

List captured items User is to select one for review

Previously details can be modified

Profile
- Profile Details

Personal details like: Names, profile picture, phone id, achievments.

Routes

For Version 2 Shows routes mapped by user in one colour and other mapped routes in another colour. Shows who mapped the routes

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