

From: Simranpal Bains sp.bains@fremtidmedia.com
Subject: Re: Buy Advisor Groups - Proposed Solution
Date: November 20, 2018 at 6:57 PM America/Los_Angeles
To: Wasek Habib wasek.edu@gmail.com
Cc: Abbasali Kermali abbasalikermali@gmail.com, Kyle R kyrenzie@gmail.com, Reza Afzali reza.afzali@fremtidmedia.com



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Hi Wasek,

I'm sure Reza have already clarified on this that we can't use Google Maps for this project because of the legal issues. You can use any other open source maps which you see fit. However, personally I think Here Maps is better option than other available.

Just to make things clear, our proposed solution is only to help to guys to come up with a better solution. We don't expect you follow exactly what we propose. Just want to guide you so that we all are on right track. By the way, thanks for sharing the detail solution. This is first time we are looking at it. Pervious file that Reza shared was just an overview of this.

- Is there any reason we do not want to go with the proposed solution by the COSC team earlier? We don't have problem with this, wasn't clear before. Your proposed solution looks good, however there is small problem with how you have your gateway setup. See below.

- The circle is the gateway range and gateway can be placed in somewhere in the middle of two bus stops. EE team is responsible for placing and configuring the gateway and beacons so I will leave it to them to place the gateway in an optimum location. I guess you already know that gateway has range of up-to 50 meters. Using gateway to collect information is good idea. Practically we can't install Gateway at each and every bus stop. In real world environment we can't provide power and internet at all the bus stops. Cost is too high, this won't be feasible. You will have to come up with a better solution for collecting information..... But what if you have gateway installed in the bus (but then problem will be how you provide power and Internet)? This way you can track the bus and collect information at same time. Let me know what you think about this.

- Beacons are used where GPS fails. Beacons and GPS are substitutable technology. I am not sure if we use a separate GPS tracking board, what is the point of using beacons? We are using the user location using GPS anyway, same thing can be done with the bus. As you already know beacons don't share information with each other. Question arises: How do you plan to send this data to server. Gateway has range of 50 meters, if bus is out of this range you won't be able to get it's location. If you are using users phone to collect data that will increase Internet charges and draining more battery from user's prospective. And what if there is no user on the bus.

- We were under the impression that we only have 1 type of user (name it regular/physically impaired) in the project based on our conversation with Reza. I will talk to Reza regarding this. For time being you can have one user type.

Regards,



Simranpal Bains

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On Nov 19, 2018, at 23:24, Wasek Habib <wasek.edu@gmail.com> wrote:

One more thing, I just realized after all the scope changes our app does not compete with Google maps as we are not using any of their features to compete (i.e. static bus schedule). Is it okay to use it for the project as it's more stable than Here maps and has more resources and active community online?