

Since I know that the server side is the necessary part for you two to start working, these 2 days I had been working overnight to catch up what I did in summer vacation, that is setting up the server on windows. I had finished my work, and here are the instructions for using my server:

Prior warning: Please DON'T try to push data fiercely to my computer, it is just a mac mini. If it is downed, we all would be in deep trouble. My home's public IP is 14.136.104.206, and the opening port for connecting the server is 8080. I would try to open it 7-24, but if it is downed, call me to have a check.

Preparations:

1. Download my demo client (http://14.136.104.206:8080/Demo_Client.zip).
2. Import it to the eclipse
3. If you see an error, most probably is caused by the incorrect reference to ksoap2.(...).jar. Right click Networking_Client->build path->configure build path. Add back the ksoap2.jar from the MC_source folder.
4. Compile it and you will see the page for inputting information.

There are 5 simple functions in my server. Please follow and find out how to use it in your client.

1. Add a bus. When your client confirms it is on a bus, send me a message "add/(bus serial number)/(latitude)/(longitude)". You should generate the bus serial number yourself, and should be at least 6 digits in order to avoid collision. For example, you give me add/123456/23/123, my server will record a bus with bus serial 123456, latitude 23, longitude 123.
2. Update a bus's status. When you want to update the location of the bus, send me a message "update/(the bus serial)/(new latitude)/(new longitude)". My server will update the info.
3. Get back the info. When you want to check all the status of the bus, send me "info". Try it out and you will see what will happen.
4. Delete a bus. When the client detects that it got off from the bus, you can send me "delete/(bus serial)". The bus would be deleted from the server.
5. ***I did not do any error checking.*** If you send me wrong message and messed up my memory, please send me "clear". All the record would be deleted.

I will not be available until 17/3. In case you find difficulties, please solve it yourself first. In case there are critical problems, leave me a message on msn. If I closed the server, I will leave a msg on the fb group.