Pervasive computing 6.894 PSET 4

-Fang Hui g0404400@nus.edu.sg

STEPS:

1.When finishing XML file at
   http://soccf-smasrv01.ddns.comp.nus.edu.sg/SpeechBuilder/SpeechBuilder.cgi
go to speech builder server (soccf-smasrv01.ddns.comp.nus.edu.sg), run:
   cd /usr/sls/Galaxy/SpeechBuilder/users/fanghui/DOMAIN.ps4
   ./oxframe.cmd yes yes yes

2.On i-PAQ, run:
python2.3 ps4.py
the map window will pop out. Here ps4.py is back-end script, using frame relay port #12887. The user name is "fanghui"

3.On i-PAQ,when connected, run :
galaudio /dev/sound/dsp soccf-smasrv01.ddns.comp.nus.edu.sg fanghui 12886 push none 16000 8000
There will also be a galaudio window, using oxygen port #12886.

4. When seeing "Hold button to speak", hold the button on the left side of i-PAQ and speak the sentences. For example:
   1) "*I am Larry*" , the system remembers your current position
   2) "*I am at Larry's office*"
   3) "*I'm at G855*"
   4) "*Take me to coffee station*"
   5) "*Take me to Bob's office*"
   6) "*Take me to G804*". In case that the source site not given, the program will automatically use the site you have mentioned before as starting point. Once you move, that new location becomes your new current location.
   7) "*Can you take me there*", the program will keep track on the source and destination sites you have mentioned, and automatically search a path between them if existing.
   8) "*Take me from G836 to G804.*" The path will be drawn on the map if found, and there is also information on terminal.
   9) "*Load map 8G*". The program will load new image given voice command.
   10) "*Good bye*", "*Later*"
   11) "*Where is water fountain*", will return the corresponding room number.
   12) "*Where is G866*"

Included:
  Readme_fanghui.pdf
  Sourcefile.zip
  Domain.xml