INF5150 2009: Obligatory Exercise #2 Version 091002

This obligatory exercise shall be done individually, but you are allowed to cooperate during the development of the models, but you cannot deliver identical deliverables.

The Tourist Guide context

At the Folk Museum in an imaginary city there are a number of *tourist guides* supplied with mobile phones moving around in the museum. Our application can be used to get their attention in different ways.
Furthermore the Folk Museum has a number of static *tourist spots* of special interest. Our application will make it possible for the *tourist* to get information by SMS of such a tourist spot.

The Tourist Information Services

static <description>

We assume that the tourist spot can be initialized by an SMS with the keyword **static** followed by a description of the tourist spot. This description is what will be returned eventually to the tourist when applicable.

dynamic <name> <information>

The tourist guides will initialize themselves through this service giving their name and additional information about themselves.

sightmap

When sending this SMS message to the application a KML-file of all the tourist spots and tourist guides will be produced and an acknowledgement back to the sender.

info

This is the main service for the tourist.
You may elaborate this service, but here is the bare minimum:
You get information about the nearest tourist spot or tourist guide.
If the nearest tourist object is a tourist spot, the following SMS is returned “This is <description>” where <description> is taken from the static information about the spot.
If the nearest tourist object is a tourist guide, then the guide will respond with an SMS “I am <name> what would you like to know?”
Then the tourist will respond either with “Giveinfo” or “Meetme <information>”. In the first case the guide will respond with her <information>, and in the second the guide will move to the tourist based on the information provided and the positioning information. The latter is not really covered by the application.