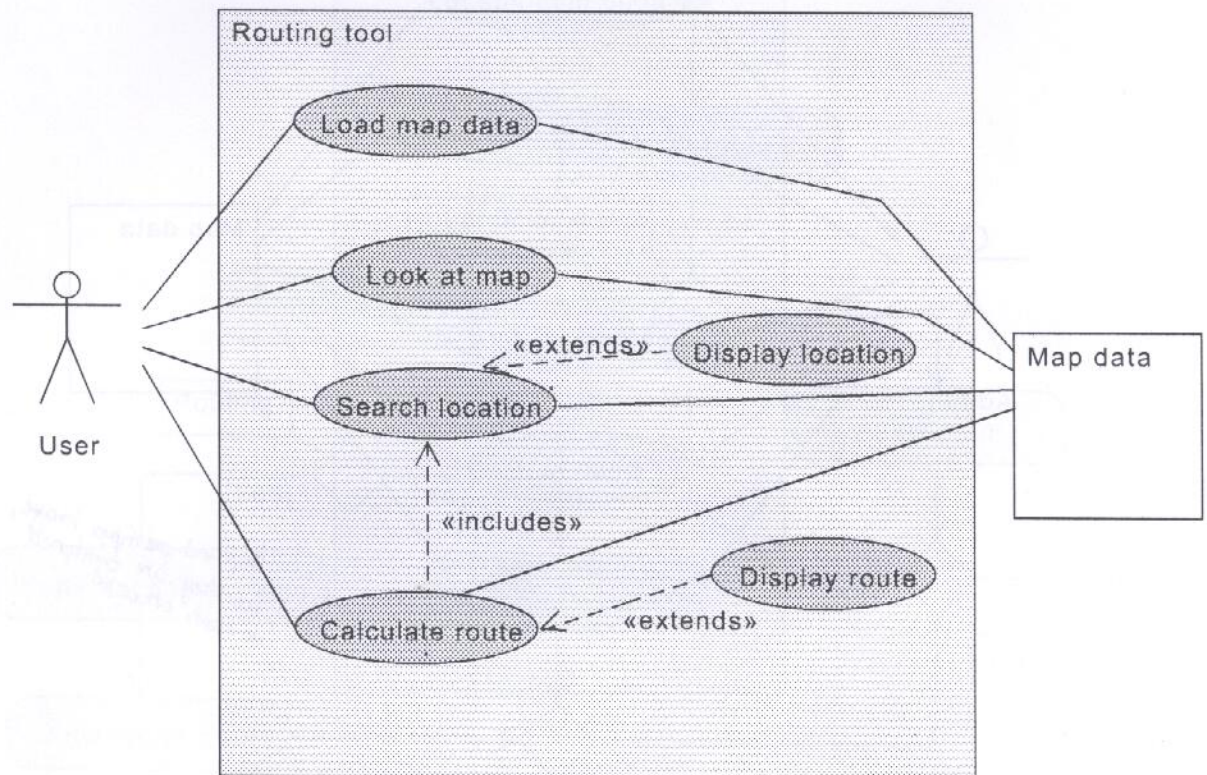


9 System Model

9.1 Use Case Diagrams

Routing Tool

Model/View/Controller overview



After starting the program and loading the map data, a zoomed out map of the area is displayed. Now the user can look at the map without entering positions. It is possible to zoom into the map, move the displayed section and click on buildings to show their floor plans, when they are provided by the map creator.

If he wants to, he can enter a position on the map. This position can be given as coordinates, address, the name of a place or by clicking on the wanted position. By entering only one position, the position will be displayed at the map but when he inputs a second position a route between the locations can be calculated and is displayed. The search criteria can be further specified by filtering for some tags, for example only stair-free routes can be allowed.

To provide this functionality the program needs to have access to the map data that has been created with the administration tool previously.