- **/FR050/**
  After a route is calculated the user sees on the map the calculated route as a colored path, there is also displayed the distance from that route

- **/FR060/** *Text fields are editable? Not very clear functionality?...*
  If the user doesn't want the route any more, he can can calculate a new one by typing in the new positions in the textfields or he can abort it, to clear the map with the old displayed route

- **/FR070/**
  There is a location search function to look only for a location where this is on the plan without a concrete startpoint, this is made if only in the destination textfield is a content. Then the position is marked on the map ??
  Search for a point?

5.1.3 Administration Tool

Necessary for the mandatory criteria.

- **/FA010/**
  If a edge or a vertex is selected, information tags about the current selected vertex or edge are shown in a seperate part of the GUI where the user can edit this information tag and add new information tags. *Separate information for vertices and edges.*

  These information tags are: Name, address, link to building, links to other vertices, contains stairs (needed for wheelchair users), opening hours and some additional text

- **/FA020/**
  The user can open and save a map of the campus or of a building and its underlying graph.

- **/FA030/**
  The user can create a new map.

- **/FA040/**
  The user can exchange the background image of the map

- **/FA050/** *remove/modify the* ✓
  The user can create, move and remove buildings, (vertices) and edges by clicking on the map. *using mouse* ?

- **/FA060/**
  Then user can create links between vertices of different maps

  In order to store maps seperately and connect them with each other, vertices on different maps will be identified with each other by linking them. I.e., it is possible to split the map of the whole campus into smaller maps and put them together. (TODO: Maybe it will be helpful to show two maps at the same time in the GUI in order to select the vertices identified with each other?) *You probably need smth like this to add floorplans. But how to implement stairs then?*

5.2 Facultative Functions

Necessary for the facultative criteria.

5.2.1 Routing

- **/FR080/** *Why this is in routing? Does not sounds as a functionality*
  The user should be able to get the application as an Android App or as a Java Applet???

- **/FR090/** *Show current position.*
  There is the possibility to show the actual position of the user on the map by using a GPS signal
  Not in criteria.

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