

This thesis aims to present the key aspects of a program developed for the purpose of improving orientation in maps by generating text description of routes. Even though such tools are already available and integrated within the most widely used internet map engines (e.g. maps.google.com and mapy.cz), they are not particularly user-friendly, as they rely on directions and distances. People are, on the other hand, more inclined to use landmarks such as significant buildings for orientation and synthesize simple information into more complex one. The program presented in this thesis addresses this issue and offers more intuitive route descriptions enabling its user to reach his/her destination potentially faster and more reliably.