Rekommendationsbrev

Jesper Mattsson has for 10 weeks in the spring semester 2021 (v.12–22), carried out his degree project together with his fellow student **Rasmus Mazetti** with us at the GIS unit, Lantmäteri, Umeå municipality.

This was the continuation of a service design process for the development of Umeå municipality's new web map environment, which he started helping us with in the spring of 2020. **Jesper** then conducted, together with three other fellow students, 28 interviews with various test persons to investigate the needs of the web map environment. appearance, functionality and content (step 2 of the service design process). The group analysed and compiled the results in a professional and clear manner, which then formed the basis for the GIS unit's continued development work.

In the spring of 2021, we then had the pleasure of welcoming Jesper and Rasmus again to continue with steps 4–5, where we, among other things, wanted to investigate the focus area "Legend / Legend" in the web map environment. Rasmus and Jesper started by identifying four user problem areas within the focus area and asked themselves the question of whether it would be possible to solve these problem areas with the help of cognitive principles in the design of the Legend / Legend?

During the ex-job's 10 weeks, they then had time to do: idea generations in the software Miro; develop four lo-fi prototypes in the Figma program; prototype test these on six people (3 novices and 3 experts) via distance interviews in Teams and Zoom where they prepared the display material in Google slides; develop a hi-fi prototype in Adobe XD based on cognitive principles and lessons learned from the first prototype testing; and run a new round of hi-fi prototype tests on six other people (3 novices and 3 experts) via distance interviews in Teams and Zoom, this time with PowerPoint to show the material.

Jesper set up a tight schedule for the work at an early stage, which was then kept. He expresses himself well in both speech and writing, was knowledgeable in technology, both about prototype creation in Figma / Adobe XD and how to create beautiful presentations in PowerPoint, as well as how to make a structured handover of material.

In conclusion, he participated and gave two professional final presentations both for our working group within the GIS unit, but also for the entire Surveying department, incl. invited guests from other departments in the municipality - the interest was great and he managed it gallantly.

The dissertation resulted in the bachelor thesis "RESOLVING USABILITY ISSUES IN WEBGIS - A Cognitive Science Approach" and will be of great benefit for the further development of the sitemap environment.

In other respects, **Jesper** is a nice, good and happy guy who is easy to work with. He comes up with his own ideas and suggestions at the same time as he listens in and absorbs needs and thoughts from both the working group and the test persons. **Jesper** is therefore given the very best recommendations!

Med vänliga hälsningar,

Marika Jacobsson, GIS-ingenjör, handledare under exjobbet

Annika Deschamps, Delprocessledare för GIS-enheten och GIS-samordnare

Marie Häggström, Lantmäterichef