Project 1 - Visualizing skills and interests to create groups of students

The main idea about this visualization was presenting the data in the form of movable objects. The user would then be able to experiment with different group constellations by dragging the objects around. The objects visualizes the students skills and each group visualizes the best skill. So three bad artists would not equal a good one. When a student is selected for a group, the student bar is placed to the right of the group. This set up allows for a fast comparison of group skill compositions.

To the left, there should have been filter sliders for displaying students within certain ranges (keeping the "infovis mantra" in the back of my head) and for arranging them grouped with interest and/or motivation. When a student object is hovered there should have displayed more information (non-quantitative information). Also, the group visualization doesn't say which student contributes what skill to the group. It could be that one student contributes all of the group skills (this set up assumes that each student can do many things in the group). This would need to be illustrated by highlighting the skill bar that actually is chosen for the group. Then a optimal group would "glow" from all 6 different students.

The development of the visualization took longer than expected and is by far not finished! I link the files anyways as a demo. Enjoy!

https://drive.google.com/drive/u/0/folders/0B6_FkTk6on-RdDBLTmwtc1BIOEU

Group 3

Group 4

Group 5

Group 6