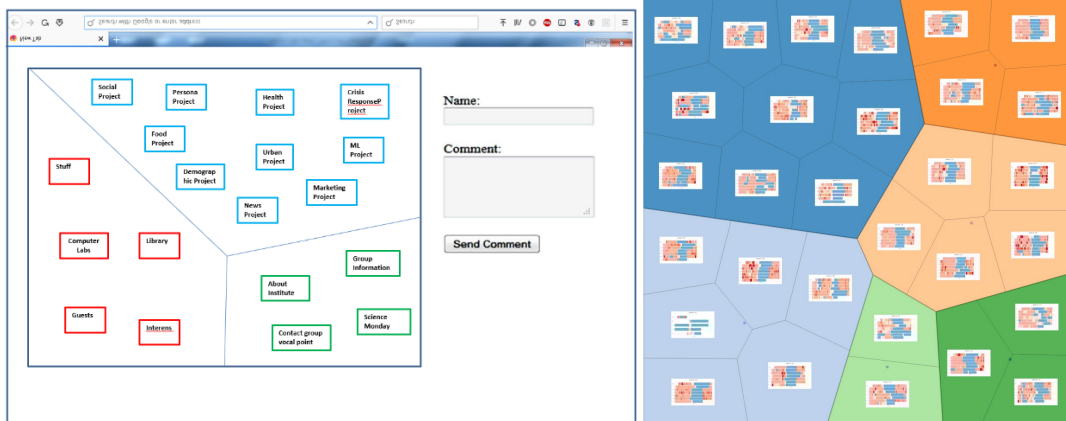


## Touch-screen interactive labeling and multi-user Card Sorting



**Project Description:** Card Sorting has been applied in user studies (UX) for designing web interfaces. Cards can be added online. The increasing number of cards makes it difficult to categorize them manually and is a collaborative process. We develop a card sorting interface to support multiple users to create and organize these cards interactively.

We want to create a multi-user interface, each user having the same set of cards but her own interactive categorization on her own display, and a shared central board where all proposed categorizations can be gathered, compared and merged into representative groups. We also want to have a touch-screen interaction to complement the mouse-based interaction.

We need to add text functionalities to the card sorting interface, add touch-screen interaction, then connecting the individual interfaces to a shared space.

**Duties/Activities:** Implementing text-based functions for the individual interface; implement touch-screen interactions, connecting individual interfaces through a multi-user environment; Developing the card merging functionality.

**Required Skills:** Base knowledge of Javascript (D3.js) and Python 3 (Flask)

**Preferred Intern Academic Level:** BSc 3<sup>rd</sup> year or BSc 4<sup>rd</sup> year

**Learning Opportunities:** Advanced visualization and web frontend techniques

**Expected Team Size:** 2/3

### Mentors

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