

User Centered Design 2020

Demo 2

1 X-task, individual

Be aware, this task may take time; read the instructions before starting to plan your efforts.

Complete the stove design exercise you started during the class, however, **use touch-based interaction**. Focus on the stovetop and the controls.

A Make yourself familiar with at least three of the following low-fidelity tools: PowerPoint type (MS PowerPoint, Google Slides, Keynote, etc.) Figma, WireFrame CC, Pencil Project, Inkscape, iDoc, MockPlus. List which ones you tried.

B Use any of the design tools to create a bit finer sketch (pen and paper is ok too) of the stove and controls than the one you created in the lectures. In this task, create only one prototype, do not focus on the interaction flow. Insert a figure with the design, if necessary, include an enlarged view of the control(s).

C Once ready, show your design to at least two other persons. Conduct an informal evaluation using the following 7 criteria, each 0-10 points (ask the test persons to rate your stove-top design):

How *easily* can one:

Determine the function of your design? (0-10p)

Tell what actions are possible? (0-10p)

Determine mapping from intention to physical movement? (0-10p)

Perform the action? (0-10p)

Tell if system is in desired state? (0-10p)

Determine mapping from system state to interpretation? (0-10p)

Tell what state the system is in? (0-10p)

D Report who the test persons were (do not use names, just description including gender, age, profession, cooking skills & experience, and other relevant characteristics), along with the individual scores and sum (0-70). Report results as a summary table.

Bonus point: E Write a short 1-2 paragraphs summary about the strong and weaker parts, using the vocabulary of DOET (affordances, constrains etc., see the lecture notes). What would you have done differently in the next iteration of the design based on the evaluation feedback? Did they need to ask you about how it works?

This is an individual task. Create a pdf. Insert your name and email address. Follow the submission guidelines as in previous weeks. Grading 0-5, based on quality and clarity of the report.