41549 – Human-Computer Interaction

2024-2025

2nd semester

Lab classes plan and checklist

Stage 0: Problem identification and planning

#	Date	Tasks for In-class	Tasks until next week
1	3ª 11 feb 5ª 13 feb	• Choose and register **groups of three** • Discuss ideas for project	• Make a choice for the project theme

Stage 1: Context definition

#	Date	Tasks for In-class	Tasks until next week
2	3º 18 feb 5ª 20 feb	• Your project **MUST** be chosen • Learn about heuristic evaluation	• Perform analysis of competition • Perform heuristic evaluation of one competitor
3	3ª 25 feb 5ª 27 feb	• Define your users (personas) and contexts of use (scenarios)	• Finish personas and scenarios

Stage 2: Requirement definition and discussion

#	Date	Tasks for In-class	Tasks until next week
4	3ª 4 mar 5ª 6 mar	• Analyse scenarios, identify tasks, extract requirements	• Finalize requirement list • Prepare presentation slides (15 minutes)
5	3ª 11 mar 5ª 14 mar	**Presentation** of results for context definition and requirements	
6	3ª 18 mar 5ª 20 mar	**Presentation** of results for context definition and requirements	

Stage 3: Solution design

#	Date	Tasks for In-class	Tasks until next week
7	3ª 25 mar 5ª 27 mar	• Plan and design low fidelity prototype • Learn about how to evaluate a low-fidelity prototype	• Finish low-fidelity prototype • Prepare evaluation protocol for next class

Stage 4: Evaluation and analysis

#	Date	Tasks for In-class	Tasks until next week
8	3ª 1 apr 5ª 3 apr	• Perform and participate in evaluation of low fidelity prototypes	Gather and analyse feedback from evaluation

Stage 5: Solution design

#	Date	Tasks for In-class	Tasks until next week
9	3ª 8 apr 5ª 10 apr	• Project development	• Continue development
10	3ª 15 apr 5ª **no class**	• Project development	• Perform heuristic evaluation over current stage of prototype
11	3ª 6 may 5ª 8 may	• Learn how to design a user study • Choose tasks and gather evaluation protocol materials • Project Development	• Finish preparing evaluation • Don't forget observation grids, user response grids, post-task questionnaire, ...

Stage 6: Evaluation

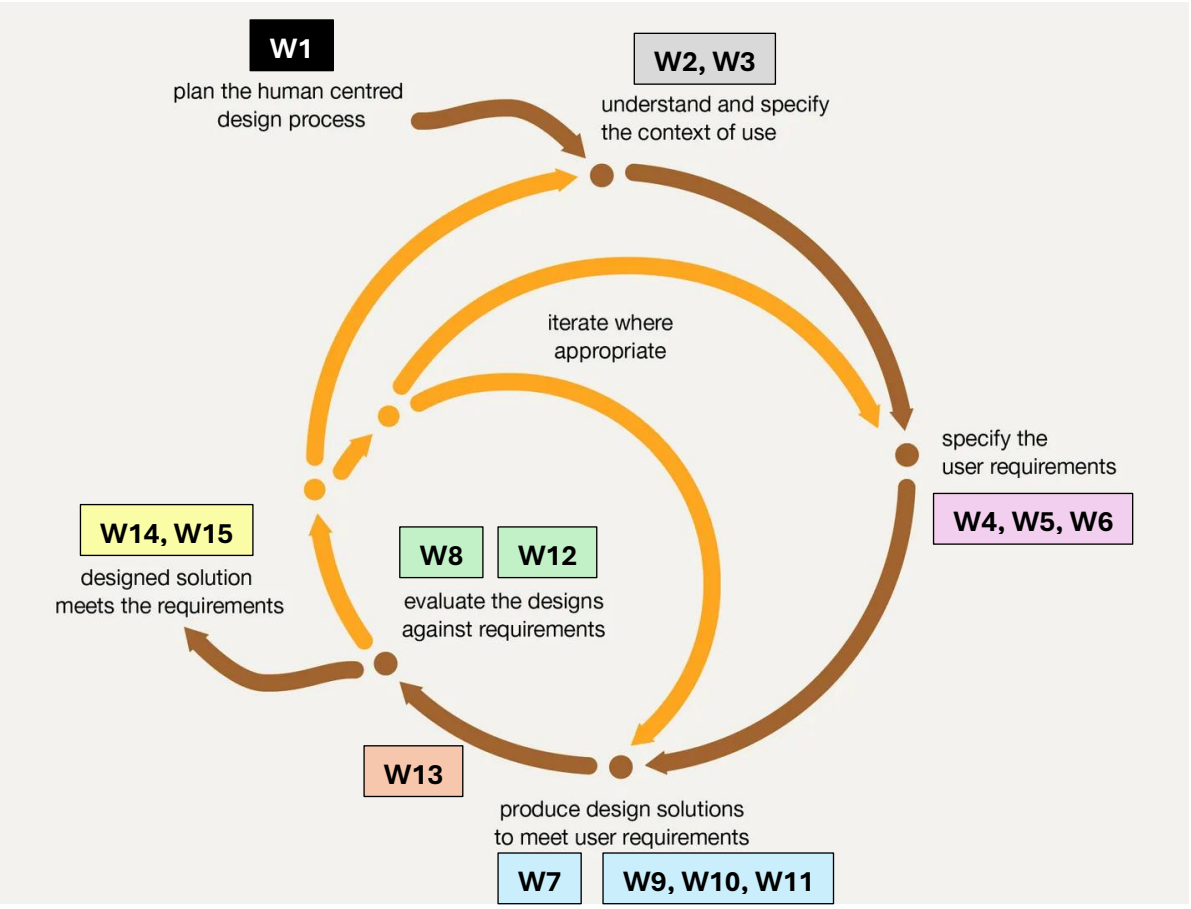
#	Date	Tasks for In-class	Tasks until next week
12	3ª 13 may 5ª 15 may	• Evaluate functional prototype	• Gather all data from evaluation and analyse it • What needs further refinement? How could it be done?

Stage 7: Solution refinement, reporting

#	Date	Tasks for In-class	Tasks until next week
13	3ª 20 may 5ª 22 may	• Decide how to organize data for presentation • Test any user interface refinement resulting from previous evaluation	• Prepare all materials for delivery • Prepare presentation slides (15 min.) • **Submit** everything

Stage 8: Delivery

#	Date	Tasks for In-class	Tasks until next week
14	3ª 27 may 5ª 29 may	**Final presentation** of projects	
15	3ª 3 jun 5ª 5 jun	**Final presentation** of projects	


W1
plan the human centred design process
W2, W3
understand and specify the context of use
iterate where appropriate
specify the user requirements
W4, W5, W6
W14, W15
designed solution meets the requirements
W8
W12
evaluate the designs against requirements
W13
produce design solutions to meet user requirements
W7
W9, W10, W11