



Lab on apps development for tablets, smartphones and smartwatches

Information for final exam







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Timeline

-  Lectures + labs
-  Project
-  Choose project
-  Mid-term
-  Exam dates
-  Meet-up/ Competition

September 2024

Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October 2024

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

November 2024

Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

December 2024

Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

Project upload
January 23rd

FINAL
January 30th

Meet-up/Competition
(tentative)



Project classes

- Attendance in class strongly advised
 - Main way to interact with us, especially the TA(s) supervising your project
 - Contact the supervising TA(s) every week during class sessions for
 - Reporting progress, issues, updates to gitLab repository
 - Discuss next steps
- Also, office hours
 - Stated on Moodle, 2-hours slot each week (but we are flexible)
 - Send us an e-mail to request an appointment
- ***Be proactive!***



Final exam

- You need to upload on Moodle
 - the working APK
 - source code
 - your slides
 - (optional) videoin a zip file by **January 23rd**
- We will
 - compile your code
 - check functionality against requirements
- **Read and follow** the **"Project handout instructions"** pdf carefully (on Moodle)



Final exam

- **Jan 30st**, 09.00-12.00 Evaluation through an oral exam related to group project

- **25** minutes per group
 - + 5 minutes for setting up, checking Camipro...
- **Tentative exam slot published in Moodle**
 - let us know if your constraints!
- Place: **ELG 123** (EL Building)
 - You need to be in front of the room 10min before exam begins
- We will have a laptop with the slides you submitted
- You must demo the app working on tablet/smartphone and watch
 - Even though we will have tried your code ourselves beforehand
- Explain your project with slides
 - optionally, also a short video



Final exam

- Final exam contributes to **65%** of the overall course grade

Grade based on

- Overall project assessment (per group)
 - Minimum requirement satisfied?
 - Amount of work done
 - Difficulty of the project
 - Quality of the code
 - UI look and feel
 - User friendliness
 - Work above minimum requirements
- Individual assessment (can vary among persons in the same group)
 - %project developed
 - Difficulty of his/her part
 - Knows his/her part well
 - Answers questions correctly



Instructions for project presentation

Slides: maximum 12 slides → recommended 8-10 slides

- 1st slide (cover):
 - Project number and title (e.g. “Group 1.A: Human drone control”)
 - Members of the project

- 2-3 slides: Block diagram and high-level explanation of your application
 - What does your app do, what external devices you use?
 - Explain how you split the work (who did what exactly)
 - we expect all students in the group to be able to answer technical questions on their part
 - as well as questions on the overall app architecture/functionality



Instructions for project presentation

Slides: maximum 12 slides → recommended 8-10 slides

- 4-5 slides: Android architecture and app. design
 - How did you design the app?
 - What are the Android components it?
 - Composable/screens
 - Navigation/menus
 - ViewModels
 - etc....
 - Do you have
 - A database
 - A connection to the cloud
 - Broadcast receivers
 - ...etc... ?

Questions?

