

Lab on apps development for tablets, smartphones and smartwatches

Information for final exam

Giovanni Ansaloni

Rafael Medina, Hossein Taji, Yuxuan Wang
Qunyou Liu, Amirhossein Shahbazinia, Christodoulos Kechris

School of Engineering (STI) – Institute of Electrical and Micro Engineering (IEM)

Timeline

 Lectures + labs

 Project

 Choose project

 Mid-term

 Exam dates

 Meet-up/Competition

September 2024						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
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
	3	4	5	6	7	8
2	10	11	12	13	14	15
9	17	18	19	20	21	22
16	24	25	26	27	28	29
23	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!***

- 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)

▪ **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 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?

