

Happy to see you again!



At the end😊 we will have advanced ideas about:

- Mobile devices
- Operating systems for mobile devices
- Development environments for mobile applications
- The integration of mobile applications

We'll talk about...

- Emulators and simulators of mobile devices
- I/O systems for mobile applications
- Specific validations for mobile devices
- Accessing mobile databases
- The replication of databases in mobile environments

And we'll also talk about...

- Architectures of mobile systems – case studies
- Applications, applications, applications ☺
(especially during the labs)
- GPS and additional capabilities
- Specific troubles/problems in mobile applications (errors, connections, user rights, SQL injections etc.)
- Packaging and distributing mobile applications

ANDROID

And it will also be about...

- Graphical User Interfaces for mobile devices
- GSM capabilities
- Remote control through web-services
- Innovations in the mobile applications area

Where shall we meet?

- During the courses 😊😊😊
- During the labs 😊😊😊😊😊😊...
- Most often on [OUR site](#)



To retain at the first course! 😊

- www.aplicatii-mobile.ro
- The presence is not mandatory (although it is recommended)
- Feel free to ask whenever you have questions

Students assessment

- Evaluation's components:
 - One “classic” project (75%);
 - One tutorial paper (a kind of documentation) on a given topic (25%).

Students assessment

- **The details of the “classic” project (75%)**

General conditions:

- Team of 2-3 students
- Complex and realistic application (suggestions: [here](#))
- At the end, the application must be completely functional and it should include at least the elements presented during the courses/labs
- A short video presentation (5-7 minutes) to present the utility of the application (see models on the site)
- Deadlines: courses and labs from weeks #13 and #14

Students assessment

- Tutorial paper (25%) 😊
 - Goal: one mini-tutorial on a given topic, so that the readers become very familiar with that domain
 - The general structure will be organized on chapters which will present different themes, from both perspectives:
 - A theoretical perspective;
 - A practical perspective.

Students assessment

- The components of the tutorial paper:
 - A description of the problem's domain;
 - Concepts and classes used in solving the problem;
 - Specific aspects;
 - Practical examples (code sequences);
 - (eventually) screen captures;
 - Frequent troubles/errors/exceptions and ways to solve them;
 - References, useful links etc.
 - Future directions.

Students assessment

- The tutorial paper will be presented as a .docx file (between 10-30 pages);
- Each team will have its own tutorial paper and a specific theme;
- You could find an example right [here](#).

Homework 😊

- Deadline: **February, 22nd, 2021**;
- Compose a team with 2-3 students;
- The team leader will send an email at info@aplicatii-mobile.ro with the following data:
 - *Subject*: Mobile Applications Team
 - *Body*: The name and the student id (matricol) of every member of the team. Please specify the master: SDBIS or SIA.

After that, every team will receive the specifications for the project and for the tutorial paper.

Thank you

... and see you on www.aplicatii-mobile.ro