

The final exam will be a pencil and paper exam, in which you will have to:

- Write answers in English to questions
- Write short pieces of code
- Write conceptual pieces of code or pseudocode.
- Look at code and answer questions about it.

The topics will include:

- Activity lifecycle
- Sharing information between activities
- Intents, organizing the activities inside an overall app.
- Android UI, and how to tie a UI to code. What are the classes that are used in creating the UI.
- General process and thread organization of an Android app.
- General ideas about how to get data from sensors.
- Webviews.
- How to talk to a server in Android, and in Javascript.
- Synchronizing information between a server and the phone.
- Cordova
- Cordova plugins (how they work)
- Vue: principles of operation.
- Basic Vue constructs in HTML.
- How to organize the code in a Vue app. May ask to write js code for Vue functions.
- Animation in Android.
- Inter-thread communication in Android.
- Android Services.
- How to connect a service to an application.