



Practical Course Development of Media Systems
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Exercise 3 – Implementing a Chat History

Exercise

The goal of this exercise is to make you familiar with the Android data storage and retrieval mechanisms like preferences, files and databases.

- Add a history functionality to your application created in Exercise 2
- The application should include the following functionality:
 - changing the status (available, busy, ...) is stored and automatically set on starting the application
 - the chat history has to be stored automatically
 - each message has to be stored together with its timestamp
- New UI elements:
 - a text label "Show History"
 - a button "DAY". On click: display all the messages created that day in the chat windows
 - a button "ALL". On click: display all the messages ever created in the chat window
- Any storing mechanism explained in the lecture is ok as long as the application runs acceptably



Submission

- Submit your own solution using SVN .
- Create your personal folder „nachname“ in the SVN-repository of your group .
- Create a folder for the exercise named „exercise3“ and put all source files there .
- Submit your solution until Tuesday, 26.05.2010, 12 p.m.

Resources

1. Android website. <http://developer.android.com/>
2. Eclipse IDE. <http://www.eclipse.org/>
3. Android Development Plugin. http://developer.android.com/sdk/1.5_r1/installing.html
4. Practical website: <http://www.medien.ifi.lmu.de/lehre/ss10/pem/>