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

3. Android Development Plugin. [http://developer.android.com/sdk/1.5_r1/installing.html](http://developer.android.com/sdk/1.5_r1/installing.html)