

**Department of Computer Science** Institute for System Architecture, Chair for Computer Networks

## Mobile Backup Manager

**Third Presentation** 

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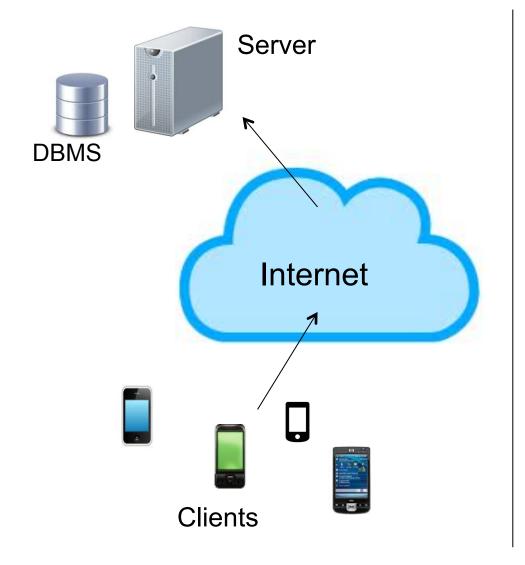


- Application Scenario
- Screenshots
- Implementation Details
- Use cases
- Discussion / Assessment



- Application can backup (and restore):
  - Contacts
  - SMS
  - Files
- Backups can be stored on SD card or in device memory.
- The user should be able to browse files from device memory.
- Application uploads backup files to the server.
- Registration/Login functionality to maintain personal account.
- A web interface showing current list of files against the respective users and file details on server.





## Server

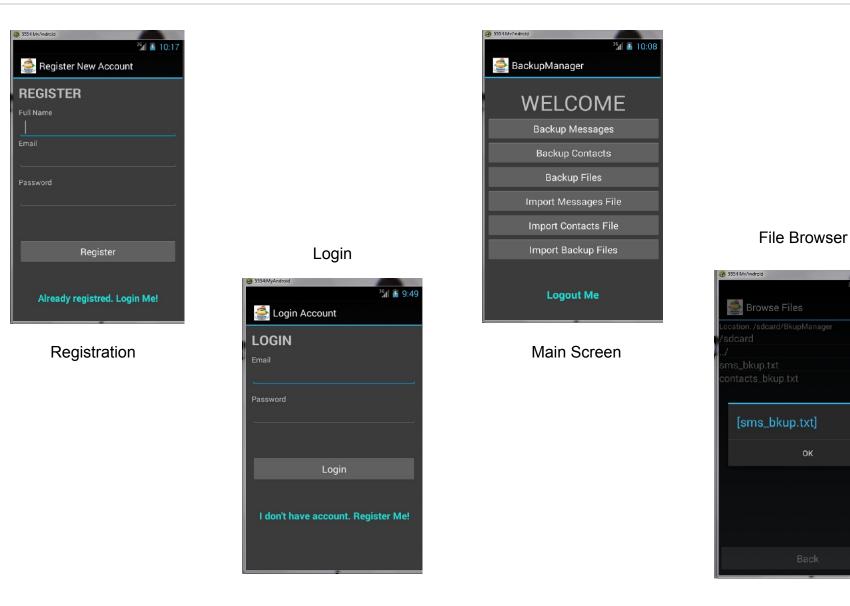
- Apache
- Admin UI PHP
- Database MySQL
- REST API

- Client
  - Android
  - SQLite
  - REST API



## Screenshots (Client)

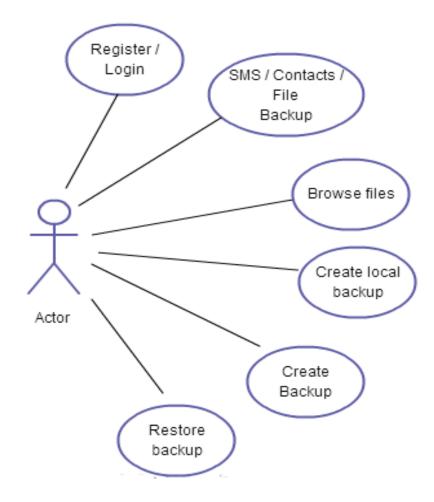
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- Challenges
  - Extracting and parsing contacts and messages
  - File Browser
  - Managing session SQLite
  - REST / JSON
  - Problem in connecting App to server (Network configuration) Thread policy
- Limitations
  - Scheduling jobs for automatic backup to the server.
  - Tool lacks multiple platform support ( available only for Android ).