

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

Mobile Backup Manager

Third Presentation

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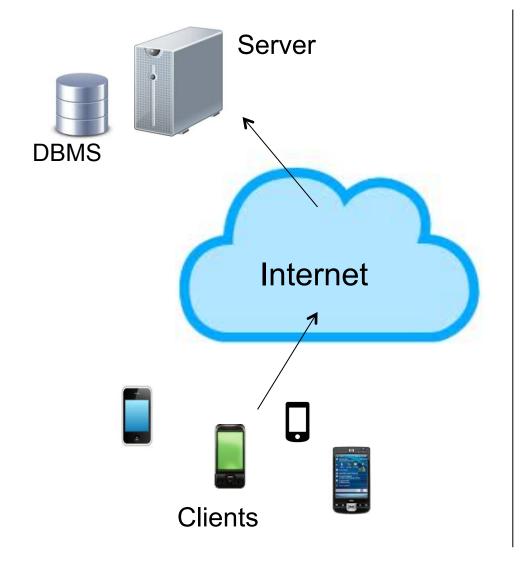


- Application Scenario
- Screenshots
- Implementation Details
- Use cases
- Discussion / Assessment



- 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

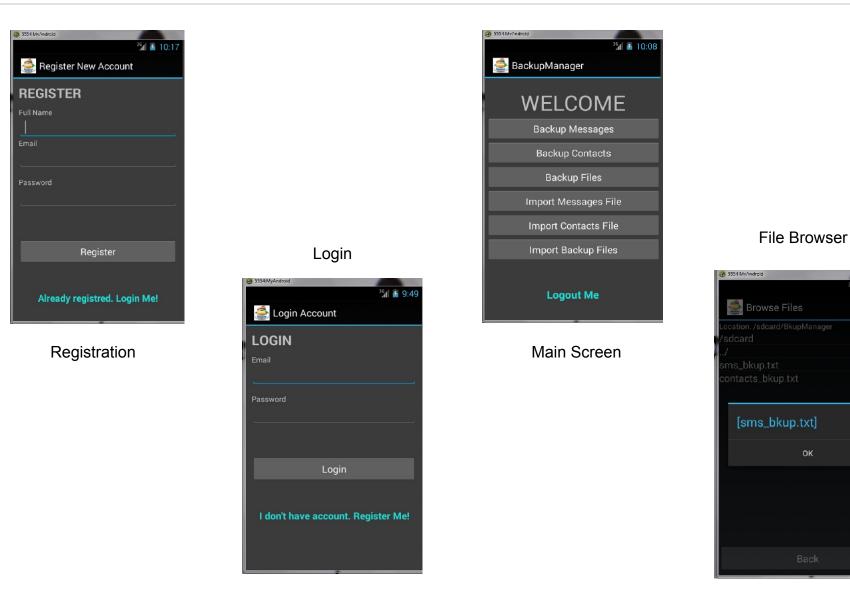
- Apache
- Admin UI PHP
- Database MySQL
- REST API

- Client
 - Android
 - SQLite
 - REST API



Screenshots (Client)

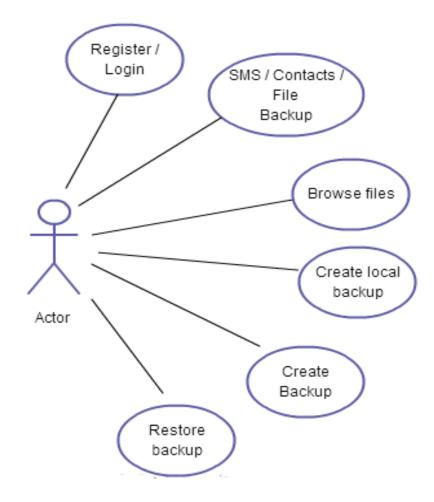
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- Challenges
 - Extracting and parsing contacts and messages
 - File Browser
 - Managing session SQLite
 - REST / JSON
 - Problem in connecting App to server (Network configuration) Thread policy
- Limitations
 - Scheduling jobs for automatic backup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