

My Valet Project

My Valet project is aimed to provide synchronization of various data between Android based phones and personal computers as well as to view, manage and synchronize user's personal data online. The project focuses on modification of Google phone Android 0.9 applications together with the updated open source Funambol Sync Server and Funambol Outlook plugin to synchronize media data.



My Valet project includes four components: Synchronization Server, Web Portal, Outlook Sync Client, and Android Sync Client.

Sync Server provides synchronization of various data between different sources (mobile devices, personal computers) and storing the synchronized data in the web server database. For development a Sync Server, the Funambol Sync Server was used.

The Web portal has a customized dynamic interface and provides a user with the ability to view and manage a personal data online through using a standard browser. It also allows synchronizing this data on the Sync Server to make it available for sharing content. The Web portal uses MySQL database installed on the Fedora 9 based Linux operational system to store the information.

Outlook Sync Client allows sharing calendar and contacts data online and was extended to share photo, music, and video files.

Gphone Android Sync Client was created to get an access to the Internet Sync Server to share calendar, contacts, and media content.

The developed solution allows synchronizing Contacts, Events (Calendar), Pictures/Photo, Music, Video between the Android mobile device and Desktop Outlook, and get an access to the personal data through Internet.

Technologies

- Android SDK m3, m5, 0.9, 1.0_r1
- SproutCore 0.9 framework
- CodeIgniter 1.6
- Funambol sync server & client 7.0
- Java SE 1.6
- C++, PHP 5, Ruby
- ffmpeg, ffmpeg-php, x264, xvid, xvid-develop
- MySQL 5.0
- Apache 2.2
- Jscript, AJAX, XML
- SOAP
- Web Services
- NSIS 2.3
- Eclipse IDE
- Ant, Maven
- Fedora 9 OS
- MS Office Project
- MS Visual Studio 2005
- Tortoise SVN

Scope

- Requirements definition
- Architecture and Design
- UML diagrams
- Web Portal implementation
- Synchronization server development
- Outlook sync client development
- Phone sync client development
- Testing
- Deployment and Delivery
- 4 person project
- 3 month duration

Project Management

- Weekly updated project plan and budget
- Weekly status call
- Weekly status report
- Web access to Bug Tracking System

