Kimi: A Personal Organizer in the internet event space.

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Goals

- Developing an application for planning and managing personal events based on various services (organizer) for Maemo platform

- Testing the idea of integration of several Internet services (Google Calendar, Ovi Calendar, VKontakte.ru, etc.)

Basic Scenarios

Application provides following operations, as under local events and events from remote services:

- View events

- Create new events

- Edit events

- Delete events

Timing and Deliverables

- **February-August 2009:**
  - Initial plan
  - Requirement analysis
  - Requirement modeling and specification
  - Coding, testing
  - Working prototype for Maemo 4
- **September 2009-April 2010:**
  - Coding, testing, debugging, localization
  - Experiments and porting on Maemo 5
  - Architecture refactoring
  - Coding, testing, debugging
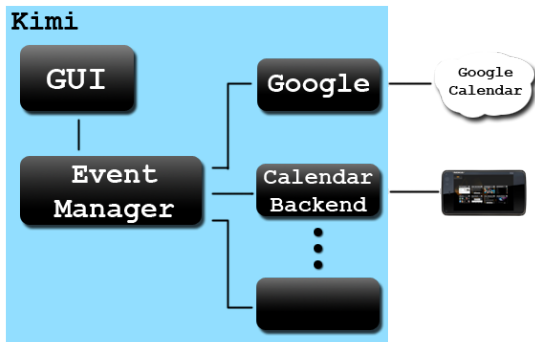 - Project presentation

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Project Team

- Vyacheslav Dimitrov, project leader

- Aleksandr Kolosov, project expert

- Stanislav Epifanov (bachelor student), network interaction

- Kirill Ivashov (bachelor student), storage subsystem, testing

- Evgeniy Tsvetkov (bachelor student), user interface

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Architecture and Basic Technologies

- Local DB: Maemo Calendar Backend
- Remote Service Modules: cURL, ConIC, JSON Parser
- GUI: Hildon
- Maemo Alarm Framework
- GLib Error Reporting system
- GLib Key-Value Parser

Project Metrics, Bug Management, Tests

- Metrics
  - Overall
    - ★ Spent hours: 496
    - ★ LoC: 10788
  - LoC per Module:
    - ★ GUI: 3340
    - ★ libkimi: 5913
    - ★ Google Calendar Module: 1535
- Bugs(posted on Bugzilla):
  - Founded: 32
  - Fixed: 23
- Tests:
  - Number of Automatic tests: 30
- Used Technologies:
  - check - for writing automatic test
  - gcov - to measure how test covers the code
  - Valgrind - for detecting memory leaks

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Results

- Maemo Diablo 4.1:
  - ▶ Requirement models and specification
  - ▶ Design of the application, test scenarios, initial code
  - ▶ Working prototype of the application

- Maemo Fremantle 5:
  - ▶ Application rewritten, according new architecture
  - ▶ GUI fully rewritten, according Maemo5 GUI Standarts
  - ▶ Application successfully linked with Maemo Calendar Backend

- Further directions:
  - ▶ Supporting of more event information providers
  - ▶ Implementing various methods of representation of coming events

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Links

- Wiki page
  http://oss.fruct.org/wiki/Maemo-Google
- Bugzilla
  http://oss.fruct.org/bugzilla
- Repositories:
  - Local Repository(for internal work)
  - Gitorious repository
    http://gitorious.org/kimi
  - Extras-Devel repository
    http://maemo.org/packages/view/kimi/

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Thanks for your attention!

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