

## Kimi: A Personal Organizer in the Internet Event Space

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# Event Space

- Event information providers on the web:
  - ▶ Social networks (VKontakte, Facebook, Last.fm, etc.)
  - ▶ Internet calendaring software (Google Calendar, Ovi Calendar, etc.)
  - ▶ RSS-feeds about coming events (maemo.org Events page, the site of your favourite cinema)
- Mobile PIM tools: TODO-list, contact-list, personal calendar
- Smart spaces (university timetable, cafeteria rush-hours)



# Goals

- Developing an application for planning and managing personal events based on various services (organizer)
- Constructing a prototype of the application for the Maemo platform
- Testing the idea of integration of several Internet services (Google Calendar, Ovi Calendar, VKontakte.ru, etc.)



# Timing and Deliverables

## ■ February-May 2009:

- ▶ Initial plan
- ▶ Requirement analysis
- ▶ Requirement modeling and specification
- ▶ Design of the application, constructing test scenarios, coding

## ■ July-August 2009:

- ▶ Architecture refactoring
- ▶ Coding, testing
- ▶ Working prototype for Maemo 4

## ■ September-November 2009:

- ▶ Coding, testing, debugging, localization
- ▶ Experiments and porting on Maemo 5
- ▶ Improvements
- ▶ Project presentation



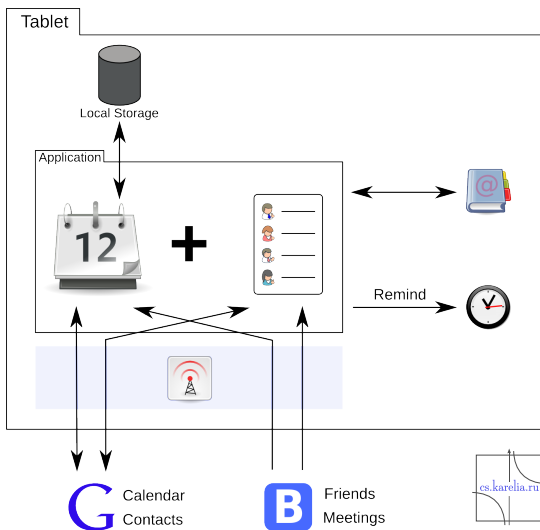
# Project Team

- Aleksandr Kolosov, project leader and instructor
- Stanislav Epifanov (bachelor student), network interaction
- Kirill Ivashov (bachelor student), storage subsystem, testing
- Evgeniy Tsvetkov (bachelor student), user interface

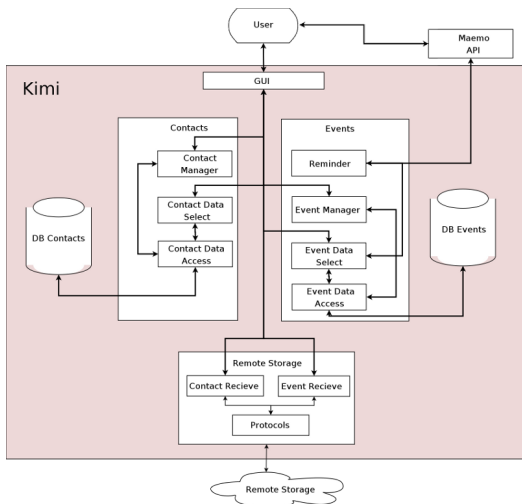


# Basic Functionality

- Presentation of events (on day, week, etc.)
- Events editor
- Surfing the Internet event space
- Contact list
- Event reminder
- Notification of invited persons



# Architecture and Basic Technologies



- Events DB: SQLite
- Contacts DB: Address Book Framework
- Remote Storage: cURL, ConIC, JSON Parser
- GUI: Glade
- Maemo Alarm Framework
- GLib Error Reporting system
- GLib Key-Value Parser



# Project Metrics

- Overall
  - ▶ Spent hours: 555
  - ▶ LoC: 9852
- LoC per Module:
  - ▶ GUI: 6370
  - ▶ Remote Storage: 1025
  - ▶ Event Manager, Reminder: 2457
- Testing:
  - ▶ Simple testing framework
  - ▶ Number of test cases: 14
  - ▶ Number of checks: 34
  - ▶ Number of runs: 307
  - ▶ Checklist for GUI





# 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 (experiments):
  - ▶ Application successfully started on Maemo 5
  - ▶ GUI partially rewritten, according Maemo5 GUI Standarts
  - ▶ Fixed some porting problems in DB module
- Further directions:
  - ▶ Supporting of more event information providers
  - ▶ Implementing various methods of representation of coming events



## Calendar



November 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					





Day


02/11/09  
Monday

Time	Event name
10:45	FRUCT Registration
11:00	Qt Training

12

cs.karelia.ru



 **Event edit** 

Name:  Type:  








Start:  Time

End:  Time

Location:

Repeat:   Remind:   

Description:





02/11/09  
Monday

Time	Event name
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10:45	FRUCT Registration
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11:00	Of Training
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Enter you Google account information:

User name

Password:

Done



Search bar



05/11/09  
Thursday

Time

Event name

17:45 Project presentation

Do you really want to quit?

Yes

No

es.karelia.ru

# Thanks for your attention!

