Maemo Client for Social Network Services with Cross-Profile Features

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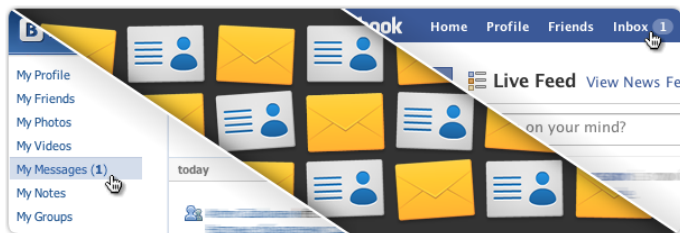
6th FRUCT Seminar, November, 2009
Helsinki, Finland
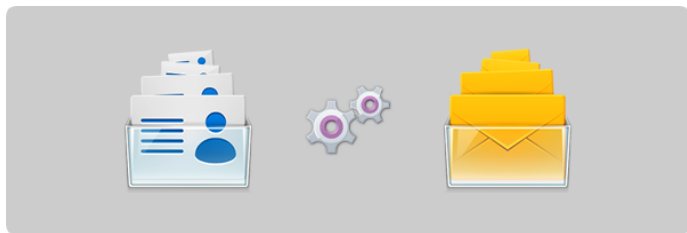
Contents

Introduction

Social networks become more essential for the Internet users
But interacting with number of services is complicated:

- no single mailbox for all the messages
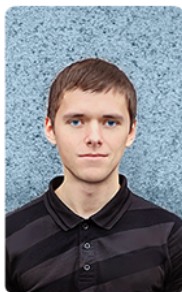- no single list of all the contacts

Project: Overview

Our project aims at developing an application that allows the user
to organize the communication across several services

Project: Developers

Andrey
Bogachev
UI Designer

Alexander
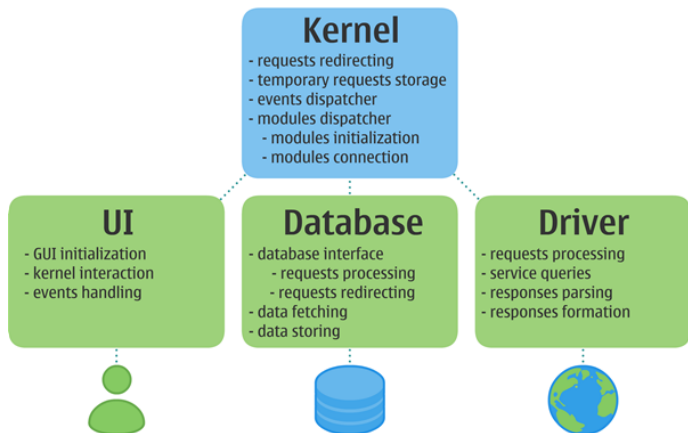Lomov
Development Manager

Ilia
Burlak
Design Manager

Sergey
Zakharov
Quality Manager
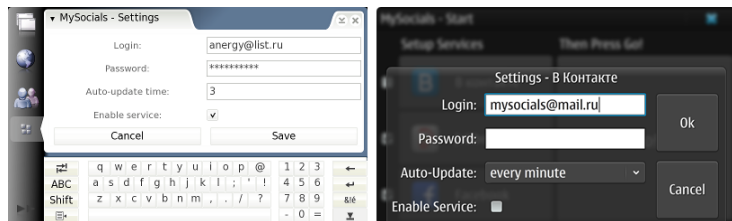
Project: Timing

- Spring, 2009:
  - ► requirements specification
  - ► design of the application
  - ► constructing test scenarios
  - ► coding, testing, debugging
- Summer, 2009:
  - ► project improvements
  - ► more experiments
  - ► coding, testing, debugging
- Autumn, 2009:
  - ► additional functionality
  - ► coding, testing, debugging
  - ► localization
  - ► porting to Maemo 5
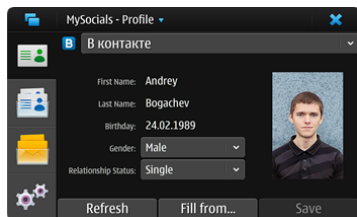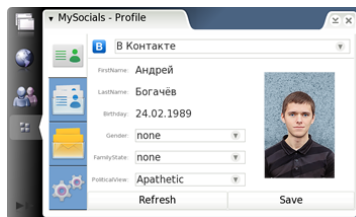
Project: High-Level Architecture

User Scenarios: Setting up Accounts

- auto-detect of newly added service drivers
- fill-in login information
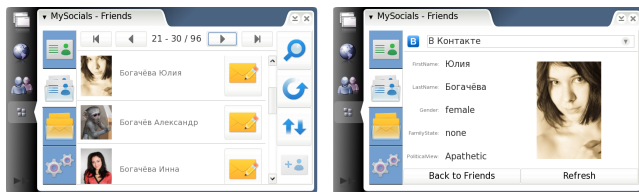- set options for each service: auto-login, auto-update time

User Scenarios: Editing Profiles

- view and edit profile details
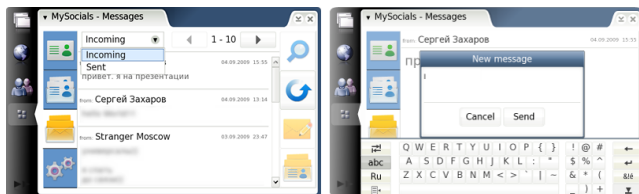- auto-fill information from profile of one service in profile of another service

User Scenarios: Organizing Contacts

- combine contacts from several services into one list of contacts
- view profiles and unite profiles in one contact
- sort by name, search for a friend

User Scenarios: Messaging

- combine messages from several services in one mailbox
- view messages and find a message
- write and reply messages

Development: Ontology Classes

Profile Information

Service ID
First Name
Last Name
Birthdate
Address

User Account

Service ID
Login
Password
Enabled
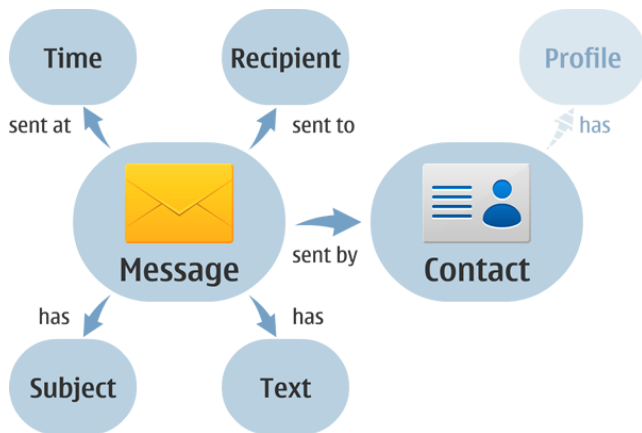Auto-Update Time

Contact

Name
Photo
Profiles

Message

Sender
Date and Time
Subject
Text

Development: Ontology Graph

Development: Testing

Automated Tests (11 tests, 22 checks):

- Module Testing
- Integral Testing

Valgrind:

- Memory leaks
- Memory usage errors

Others:

- UI checklist
- Bug-Report page (8 bugs posted, 4 bugs fixed)

Development: The current state

7832 Lines of C Code (+ 3081 Lines of Comment):

- 1751 - Kernel
- 3196 - User Interface (+ 30 graphic resources)
- 3773 - Database
- 1241 - Service Driver "vkontakte"
- 2753 - Service Driver "jabber"

Project Wiki: http://maemo.cs.karelia.ru/wiki/Maemo-VKontakte

Thank You For Your Attention!