Call Proxy

Sponsored by:
Persistent System Limited.

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Overview

- Android applications overview

- **Call Proxy: A**n Android based mobile application.

Need Of The Project

- Literature Survey
- Existing applications are available in paid / premium version.
- Need for a full-fledged , free of cost, call handling Android -based application.

Project Objective

- To allow call management features free of cost and add dynamic features to the existing application.
- Ease of downloading
- Ease of installation
- Less phone battery consumption
- Less memory consumption
- Smooth and user friendly

Features

- **Manage contacts:-**
  - ✓ Black List
  - ✓ White List

- **Block Calls, SMS:-**

  Block unwanted calls, SMS (Reject calls, forward or reply with an auto SMS, busy tone etc.)

Features (Cntd...)

- **Backup Phone data:-**

  Backup all phone data like contacts, calendar details, notes etc. Transfer data to new phone/any device.

- **Privacy Eraser :-**

  Quickly and easily delete the call history and SMS messages between your phone and individual contacts permanently to protect private data.

- **Time based Profile:-**

  Create, manage and activate time based profiles.

Features (Cntd…)

- **Blocking access to call logs**

- **Private Space:-**
  - ✓ Automatically move private contacts, messages and call logs to a private space so that they don’t appear in the phone’s regular SMS and call logs
  - ✓ Keep secrets by hiding the contents displayed on the main screen.
  - ✓ Protect your REAL space by creating a fake space.

Requirements

- **Software requirements:**
  - **Platform :-**
    - ✓ Android OS(2.3 or onwards)
    - ✓Windows(XP/7)
  - **Software Components :-**
    - ✓ Java(J2ME)
    - ✓ XAML
    - ✓JDK 1.6 +
    - ✓Android SDK
    - ✓EclipseAndroid Editor
    - ✓SQLite database

Requirements (Cntd..)

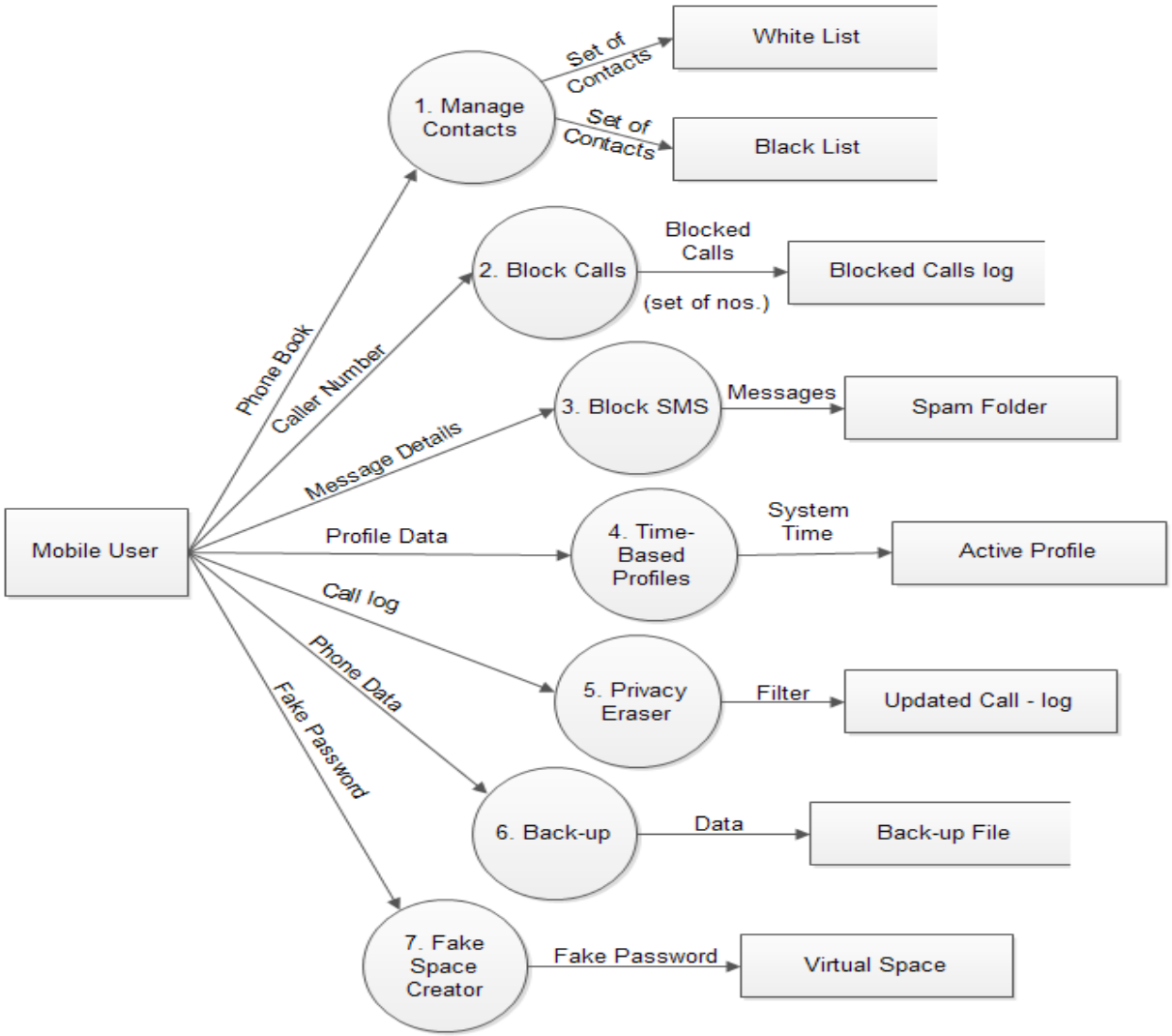
- **Hardware requirements:**
  - ✓Android Phone(Any handset)
  - ✓Computer (windows)
  - ✓Minimum 1 GB RAM

High Level Design

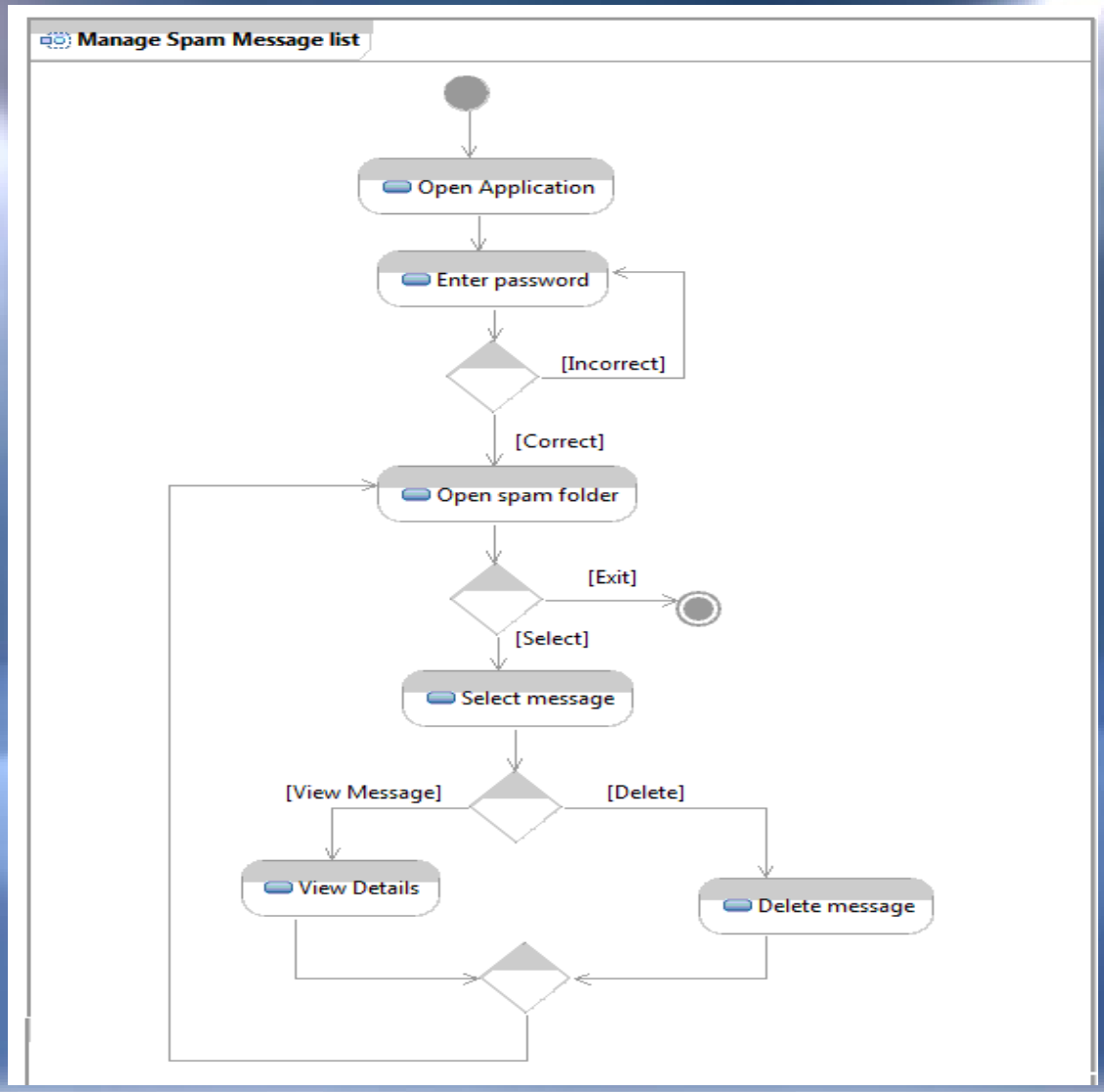
UML diagrams :

- Use case diagrams
- Flow charts for:
  i) Application that will run in background (Block calls/SMS)
  ii) Application that will run in foreground (Main application)
- Data Flow Diagram - Level 2
- Activity Diagrams for-
  i) Managing Fake space
  ii) Managing Contacts
  iii) Managing Spam messages
  iv) Privacy Fraser

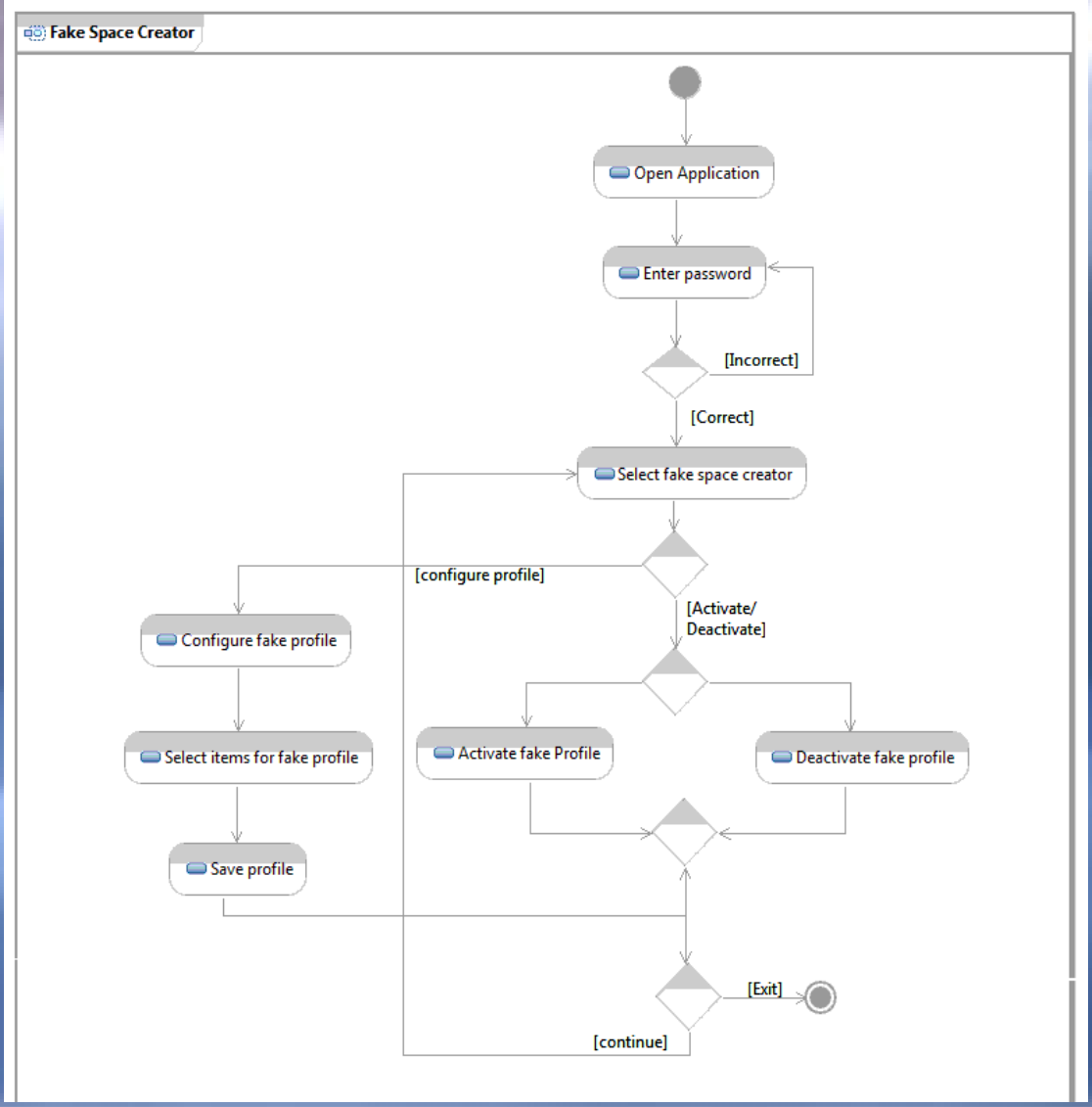
DFD : Level 1


Mobile User
1. Manage Contacts
Set of Contacts
White List
Set of Contacts
Black List
2. Block Calls
Blocked Calls
(set of nos.)
Blocked Calls log
3. Block SMS
Messages
Spam Folder
4. Time-Based Profiles
System Time
Active Profile
5. Privacy Eraser
Filter
Updated Call - log
6. Back-up
Data
Back-up File
7. Fake Space Creator
Fake Password
Virtual Space
Phone Book
Caller Number
Message Details
Profile Data
Call log
Phone Data
Fake Password

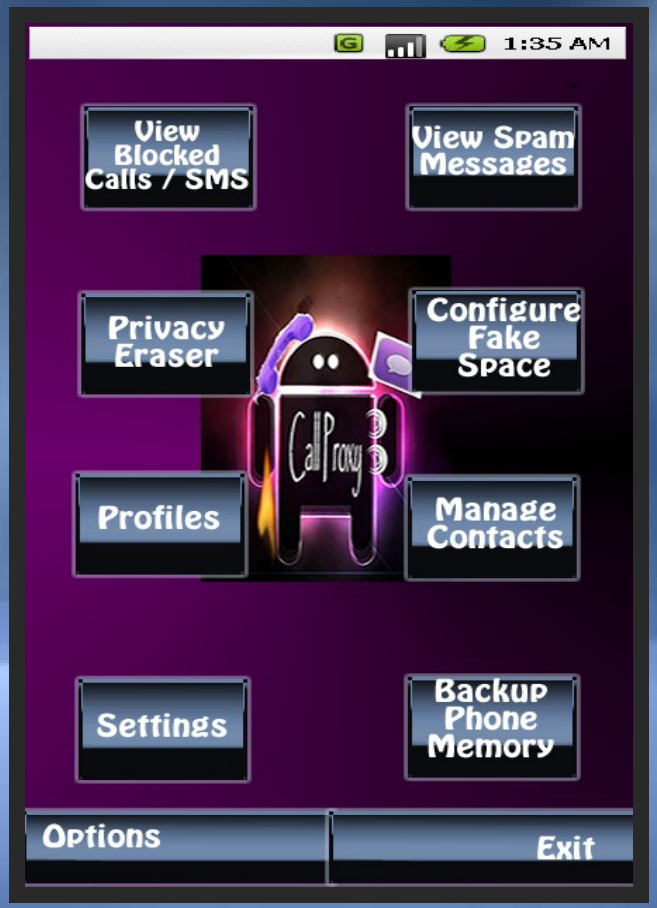
Activity Diagram 1



Activity Diagram 2

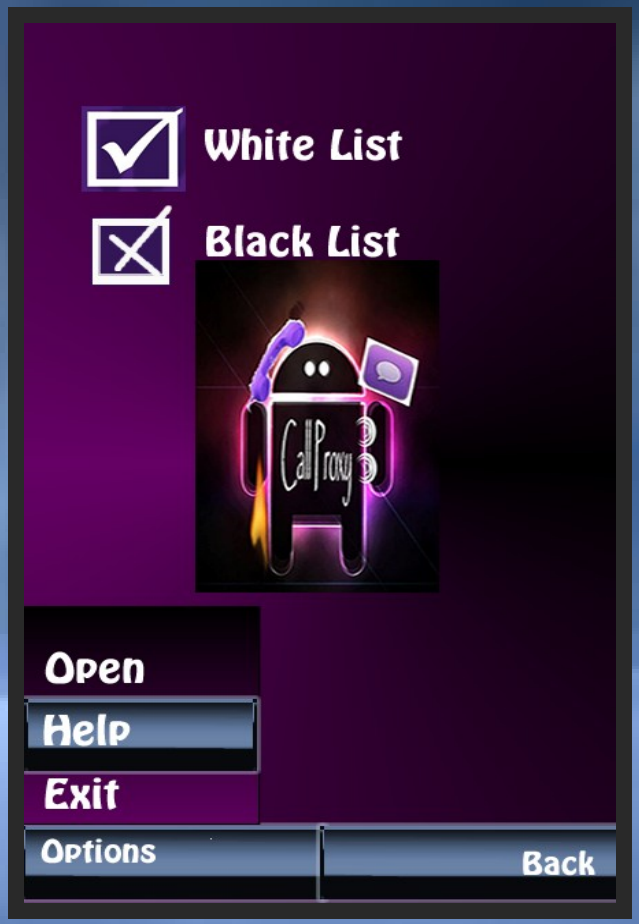


User Interface Design



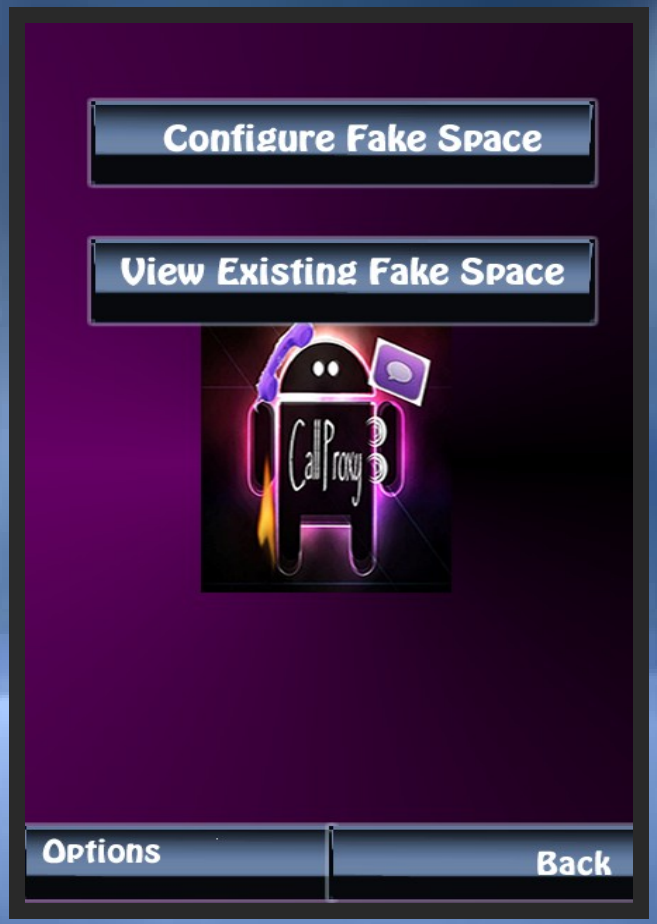
Dashboard

User Interface Design



Manage Contacts

User Interface Design



Fake Space Creator

User Interface Design

Backup

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Thank
You!!!!!
Call Proxy