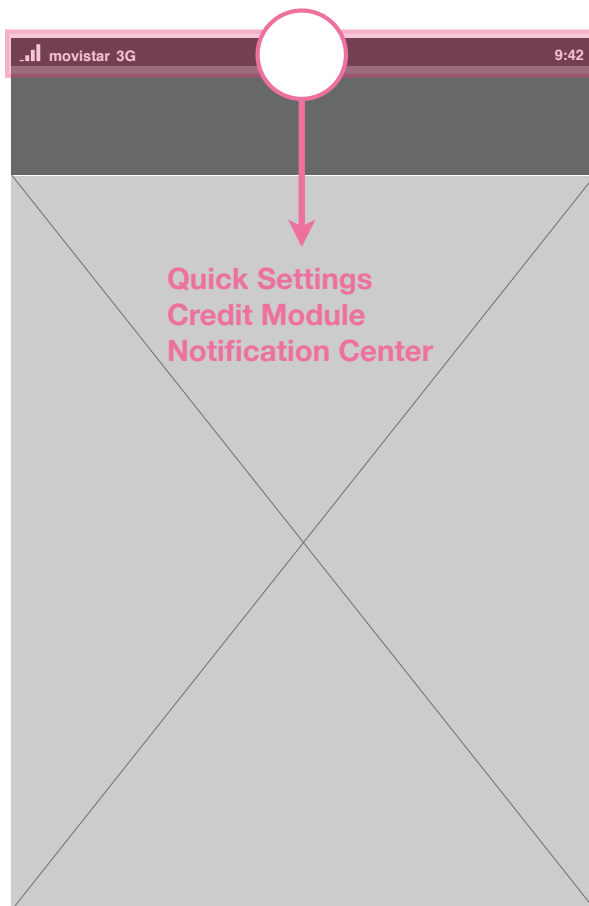# Utility Tray
# Quick Settings, Credit Module & Notification Center

# Access & View Approaches
## Utility Tray



### TEF Single Utility Tray

Telefonica's version unites 3 components together in a single utility tray:
- Quick Settings
- Credit Module
- Notification Center
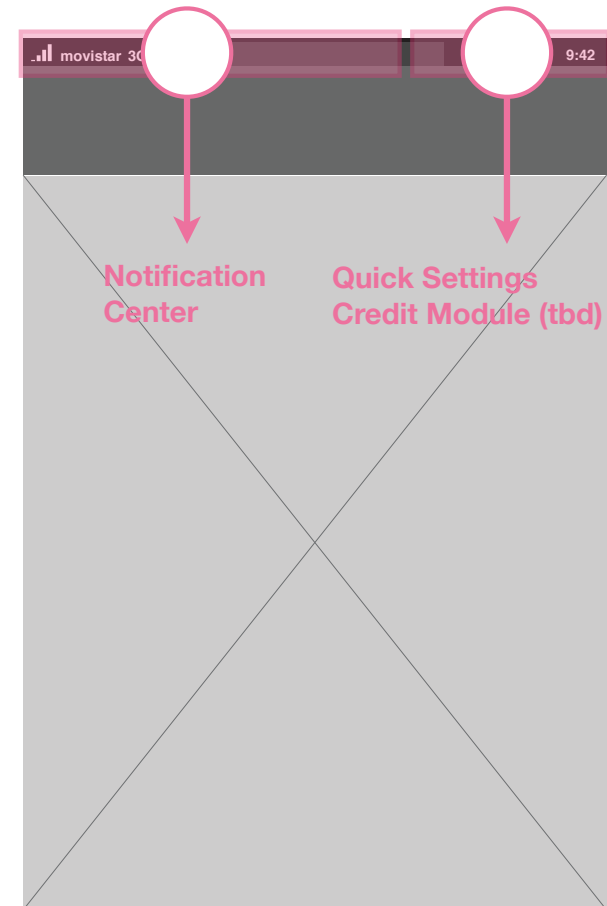
### MOZ Split Utility Tray

Mozilla's version splits components into two groups, and they are accessed from pulling down a different part of the Status Bar:

**Pull Right Side**
- Quick Settings
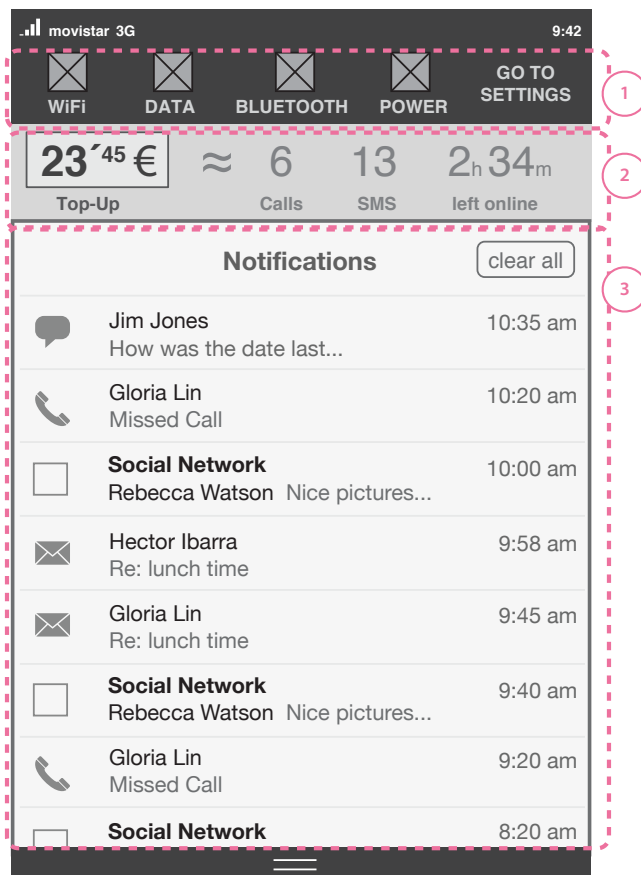- Credit Module (tbd)

**Pull Left Side**
- Notification Center

**TEF** customization  **Single Utility Tray**

**MOZ** Baseline  **Split Utility Tray**

# Components
# Utility Tray



| movistar 3G | | | | 9:42 |
|---|---|---|---|---|

| WiFi | DATA | BLUETOOTH | POWER | GO TO SETTINGS |

**23´45 €** ≈ **6** **13** **2h 34m**
Top-Up     Calls     SMS     left online

| Notifications | | clear all |
|---|---|---|

| 💬 | Jim Jones<br>How was the date last... | 10:35 am |
| 📞 | Gloria Lin<br>Missed Call | 10:20 am |
| ☐ | **Social Network**<br>Rebecca Watson  Nice pictures... | 10:00 am |
| ✉ | Hector Ibarra<br>Re: lunch time | 9:58 am |
| ✉ | Gloria Lin<br>Re: lunch time | 9:45 am |
| ☐ | **Social Network**<br>Rebecca Watson  Nice pictures... | 9:40 am |
| 📞 | Gloria Lin<br>Missed Call | 9:20 am |
| ☐ | **Social Network** | 8:20 am |

## Utility Tray
The Utility Tray is accessed by pulling down on the Status Bar while the user is in the homescreen or within any application.

## ① Quick Settings
Quick Settings are an area reserved for settings that get a lot of use.

## ② Credit Module
The credit module shows credit status in real-time as well as how that credit translates into usage. The top-up button makes it simple to add credit.
This version depends on the availability of an API from the operator to provide credit information as well as a free APN for top-up.

## ③ Notification Center
The Notification Center collects all app related notifications into one place as they come in. Here a user can keep track of all new activity in one place.
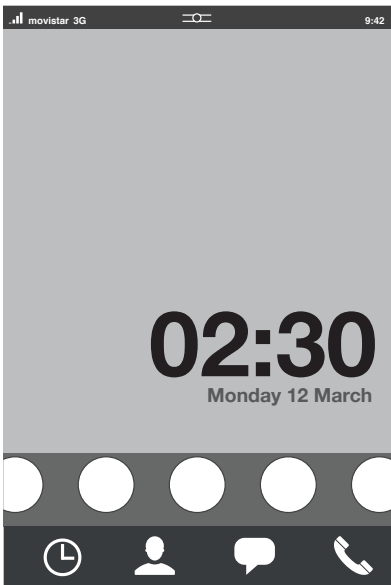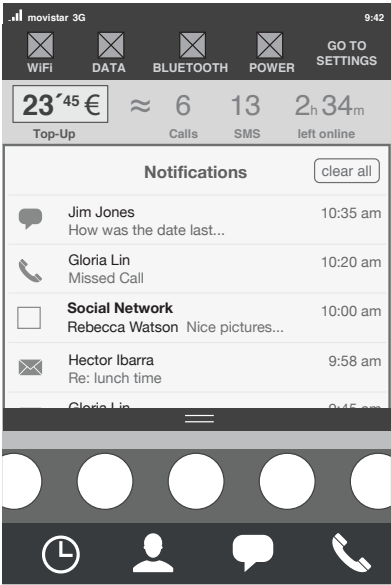
# Reveal Behavior
## Utility Tray
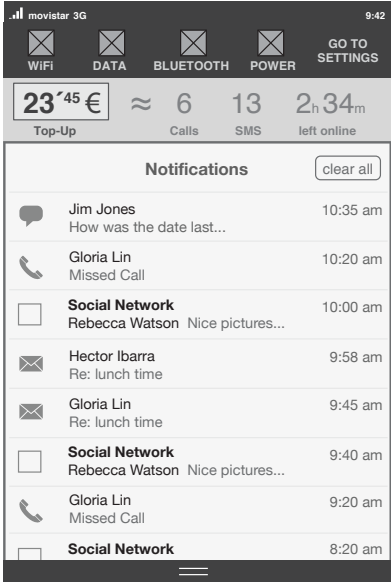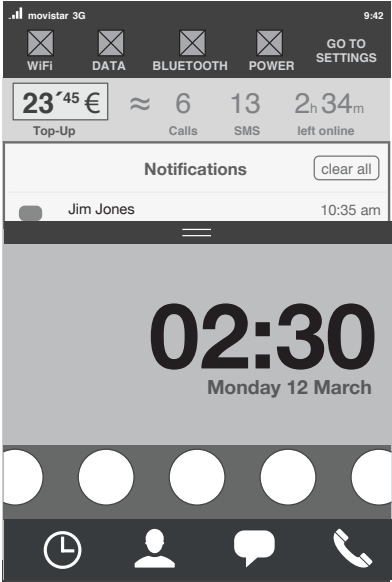


## Reveal Gestures

1. Swipe **DOWN** on status bar moves grip bar down automatically and reveals notifications underneath.

# Close Behavior
# **Utility Tray**
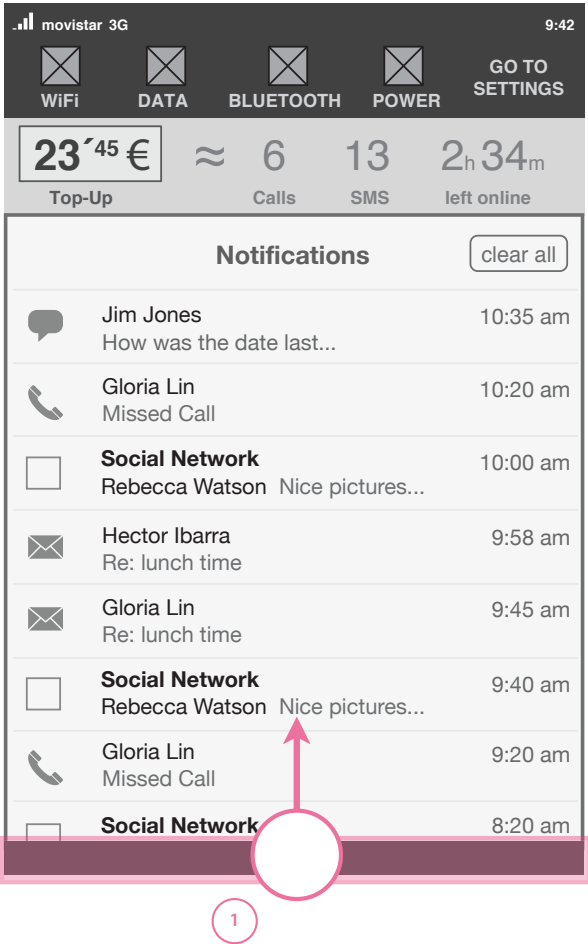


## Close Gestures

1. Swipe **UP** on grip bar automatically moves grip bar up and closes notifications.

# Notification Center

# Scroll Behavior
## Notification Center



## Details

**①**

**Scrollable Space**
Area underneath header is scrollable when the number of notifications exceeds the available space.

# List Behavior
# **Notification Center**
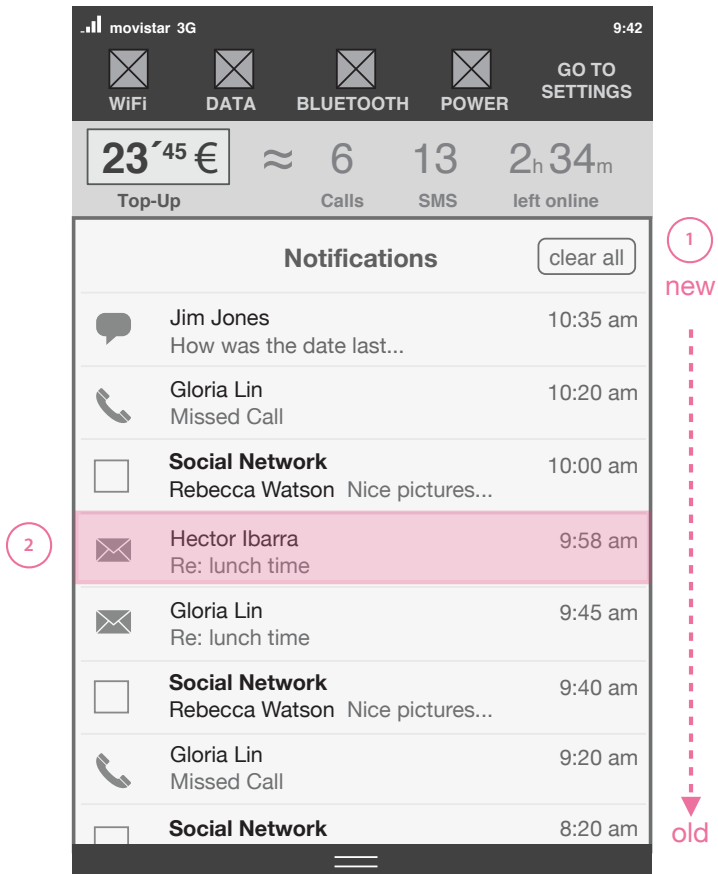


## Details

1. Notifications are listed chronologically.

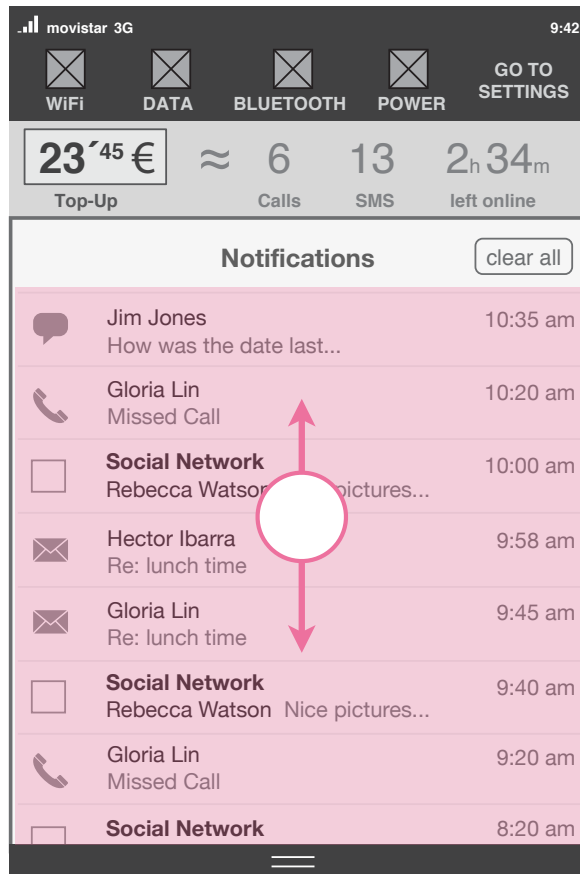2. Tapping on a notification takes you directly to the application and that message view.

### List Limit Behavior
There should be a **limit of 30** notifications in the center. Anything beyond 30, and the oldest notifications are cleared automatically when new ones come into the center.

**Limit to be confirmed based on prototype testing of this feature.**

### Read Notifications
When a user views the message or event of the notification in the application, it is deleted automatically from the Notification Center, even if they do not go through the Notification to view it.

# Clearing Notifications from the Center
## Notification Center



### Deleting Notifications

There are two ways of deleting notifications:

**1** 1. Swiping Left to Right on a single notification

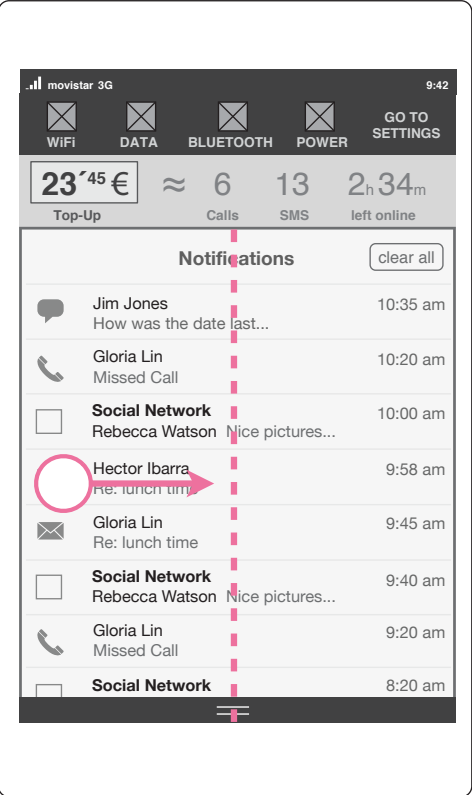**2** 2. Clear All button deletes all the notifications from the notification center.

NOTE: Clearing a notification from the center does not delete it from the application, it only deletes the notification from the notification center.
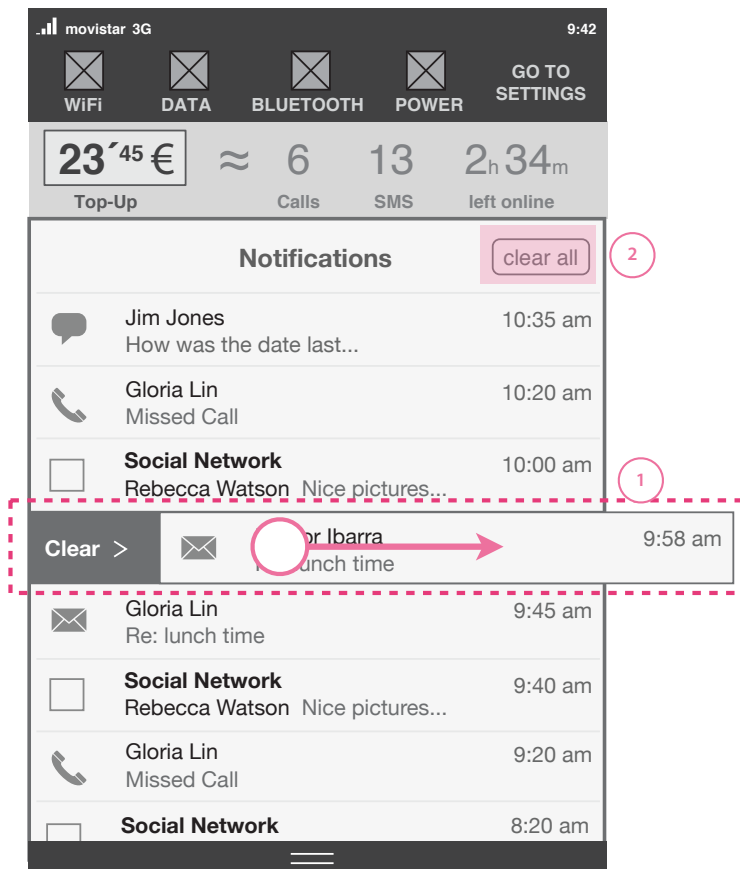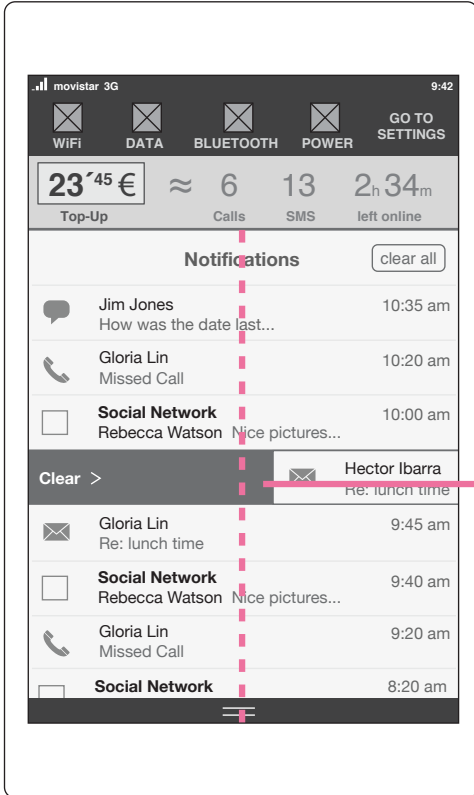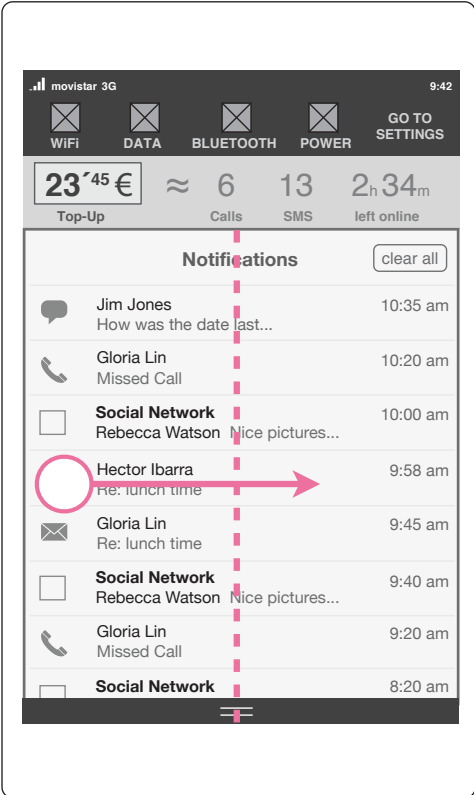
# Clearing Notification Gesture
# **Notification Center**

## Phone 1

.ıl movistar 3G — 9:42

| ☒ | ☒ | ☒ | ☒ | **GO TO SETTINGS** |
|---|---|---|---|---|
| WiFi | DATA | BLUETOOTH | POWER | |

**23´⁴⁵ €**    ≈   6    13    2$_h$34$_m$

Top-Up      Calls    SMS    left online

**Notifications**     [ clear all ]

| 💬 | Jim Jones | 10:35 am |
| | How was the date last... | |
| 📞 | Gloria Lin | 10:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 10:00 am |
| | Rebecca Watson  Nice pictures... | |
| ○ | Hector Ibarra | 9:58 am |
| | Re: lunch time → | |
| ✉ | Gloria Lin | 9:45 am |
| | Re: lunch time | |
| ☐ | **Social Network** | 9:40 am |
| | Rebecca Watson  Nice pictures... | |
| 📞 | Gloria Lin | 9:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 8:20 am |

## Phone 2

.ıl movistar 3G — 9:42

| ☒ | ☒ | ☒ | ☒ | **GO TO SETTINGS** |
|---|---|---|---|---|
| WiFi | DATA | BLUETOOTH | POWER | |

**23´⁴⁵ €**    ≈   6    13    2$_h$34$_m$

Top-Up      Calls    SMS    left online

**Notifications**     [ clear all ]

| 💬 | Jim Jones | 10:35 am |
| | How was the date last... | |
| 📞 | Gloria Lin | 10:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 10:00 am |
| | Rebecca Watson  Nice pictures... | |
| Cl... ← | ✉ | Hector Ibarra |
| | | Re: lunch time |
| ✉ | Gloria Lin | 9:45 am |
| | Re: lunch time | |
| ☐ | **Social Network** | 9:40 am |
| | Rebecca Watson  Nice pictures... | |
| 📞 | Gloria Lin | 9:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 8:20 am |

If a user swipes only partially on a notification and not past the half-way point, the notification returns back to it's original position.
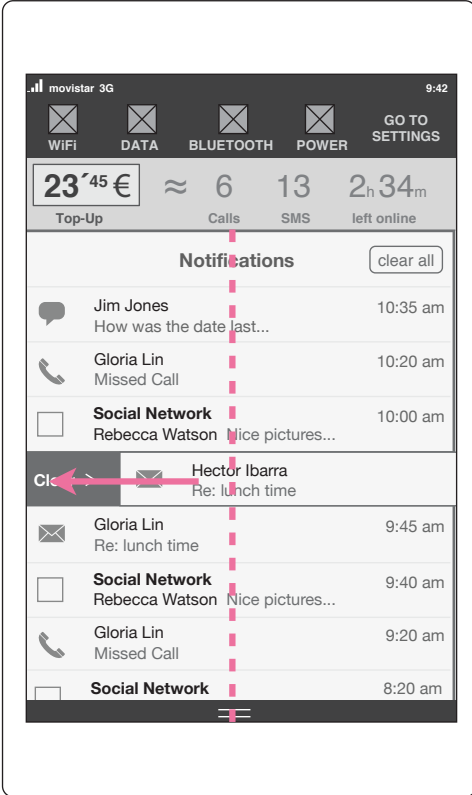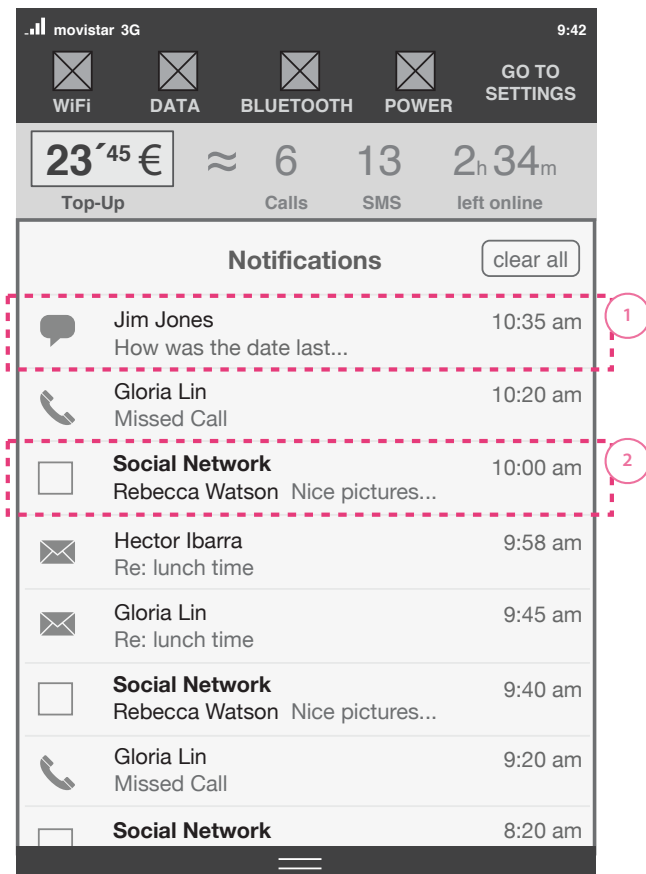
If a user swipes only fully on a notification, past the half-way point, the notification slides all the way out and is deleted.

## Phone 3

.ıl movistar 3G — 9:42

| ☒ | ☒ | ☒ | ☒ | **GO TO SETTINGS** |
|---|---|---|---|---|
| WiFi | DATA | BLUETOOTH | POWER | |

**23´⁴⁵ €**    ≈   6    13    2$_h$34$_m$

Top-Up      Calls    SMS    left online

**Notifications**     [ clear all ]

| 💬 | Jim Jones | 10:35 am |
| | How was the date last... | |
| 📞 | Gloria Lin | 10:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 10:00 am |
| | Rebecca Watson  Nice pictures... | |
| ○ | Hector Ibarra | 9:58 am |
| | Re: lunch time → | |
| ✉ | Gloria Lin | 9:45 am |
| | Re: lunch time | |
| ☐ | **Social Network** | 9:40 am |
| | Rebecca Watson  Nice pictures... | |
| 📞 | Gloria Lin | 9:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 8:20 am |

## Phone 4

.ıl movistar 3G — 9:42

| ☒ | ☒ | ☒ | ☒ | **GO TO SETTINGS** |
|---|---|---|---|---|
| WiFi | DATA | BLUETOOTH | POWER | |

**23´⁴⁵ €**    ≈   6    13    2$_h$34$_m$

Top-Up      Calls    SMS    left online

**Notifications**     [ clear all ]

| 💬 | Jim Jones | 10:35 am |
| | How was the date last... | |
| 📞 | Gloria Lin | 10:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 10:00 am |
| | Rebecca Watson  Nice pictures... | |
| **Clear** > | ✉ | Hector Ibarra → |
| | | Re: lunch time |
| ✉ | Gloria Lin | 9:45 am |
| | Re: lunch time | |
| ☐ | **Social Network** | 9:40 am |
| | Rebecca Watson  Nice pictures... | |
| 📞 | Gloria Lin | 9:20 am |
| | Missed Call | |
| ☐ | **Social Network** | 8:20 am |

# List Item Lengths
# **Notification Center**



## Details

**1** **Core Applications and Trusted Applications**
Two lines for notifications in the Utility Tray.
First line for Sender Name,
Second line for email title, or message preview.

**2** **UnTrusted Applications**
Two lines recommended for notifications in the Utility Tray, but this length is up to each app.
First line must contain app name.

# Quick Settings
# & Credit Module

# Overview
# **Quick Settings**
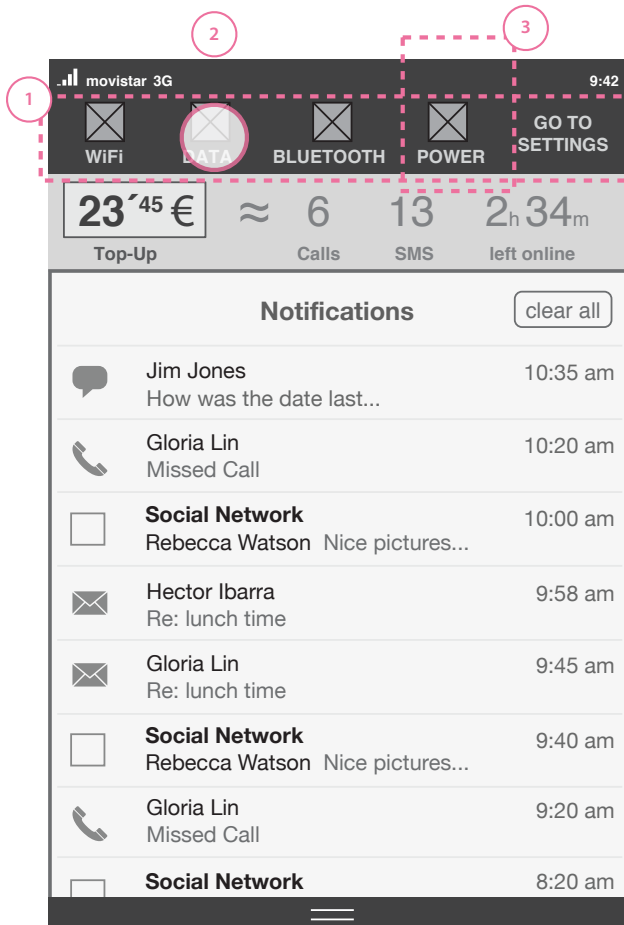


## Details

**(1)** Quick Settings are an area reserved for settings that get a lot of use.

**WiFi On/Off**

**Data On/Off**

**Bluetooth On/Off**

**Power Save Mode On/Off**

Quick settings should be repeated in the main settings list to allow for sub-setting modifications:
ie. visualizing available WiFi networks, or Bluetooth devices.

**(2)** Tapping on a Quick Setting toggles between ON and OFF. The icon of each setting must change to signal the current status of that setting.
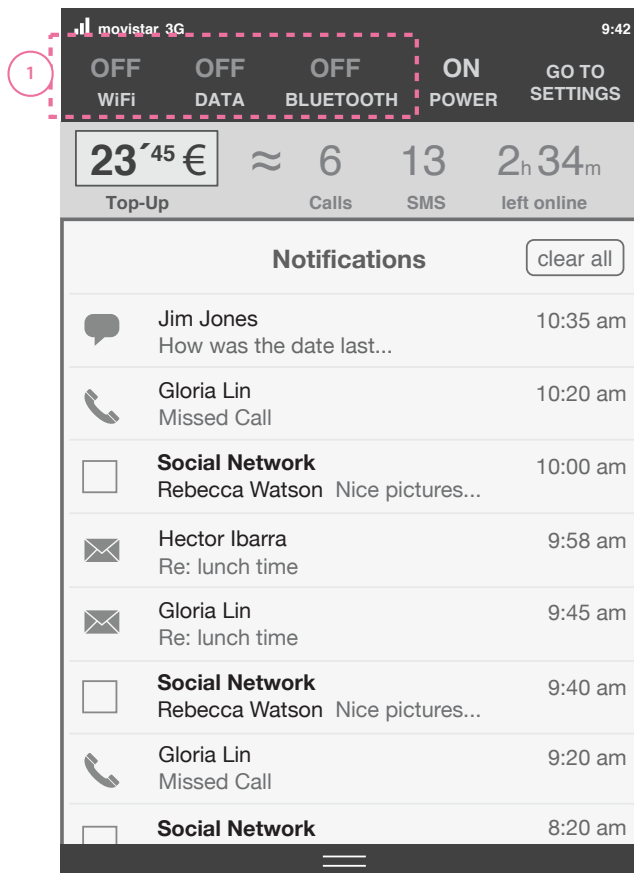
## **Power Save Battery Time**

**(1)** This button should also be an indication of the approximate time remaining on the battery. Clicking on Power Save should be reflected in an extension of the approximate battery time left.



**99:00h**
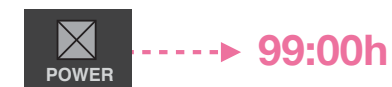
Power Save Mode would automatically turn off WiFi, Data and GPS to reduce the amount of Battery consumption.

# Power Save
# **Quick Settings**



## Power Save Mode
Power save mode turns multiple settings off simultaneously to extend the life of the battery:
**Data OFF**
**WiFi OFF**
**Bluetooth OFF**
**GPS OFF**
**(also dims screen brightness)**

## When a user turns mode ON...
All the above settings automatically move to the OFF position and are greyed out.

## When a user turns mode OFF...
All above settings except Bluetooth and Data switch to the ON position.

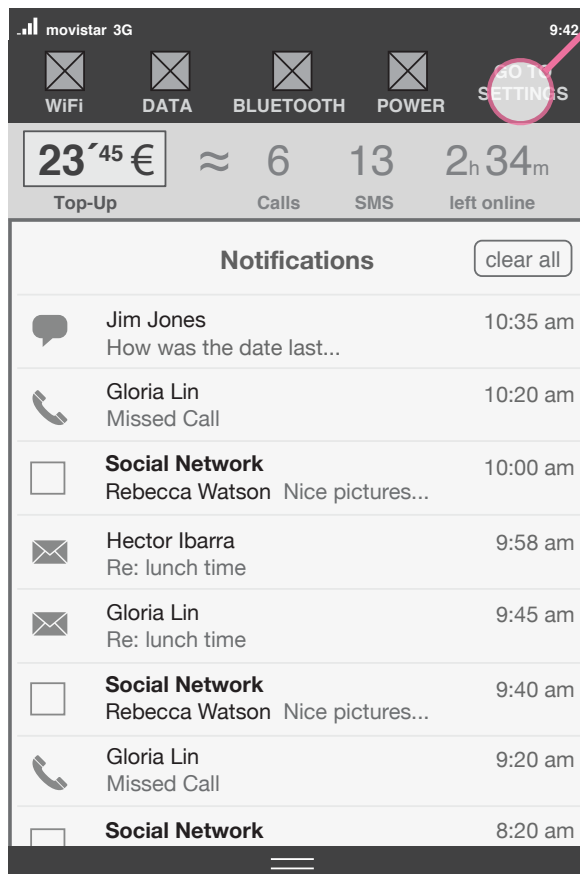## When Power Save Mode is ON and other setting is turned ON...
Power save mode is turned OFF.
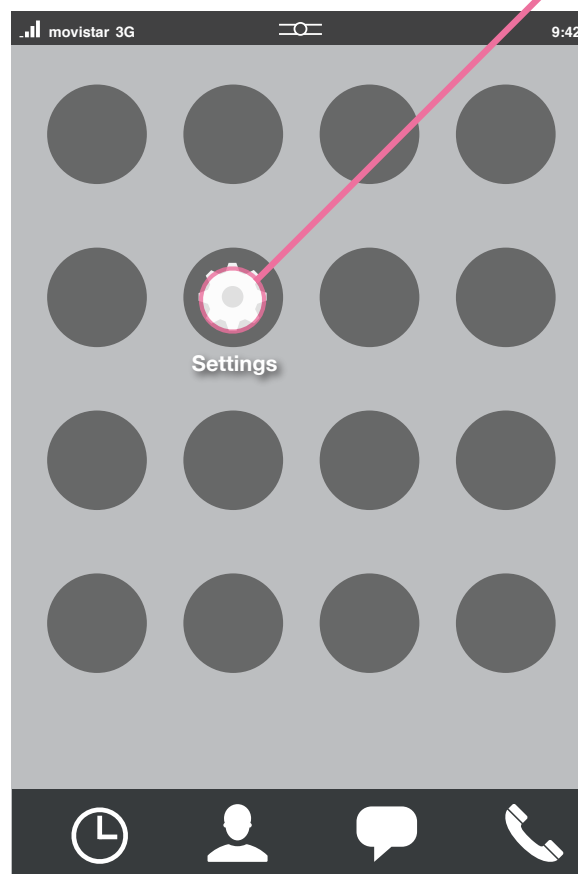
# Access to General Settings
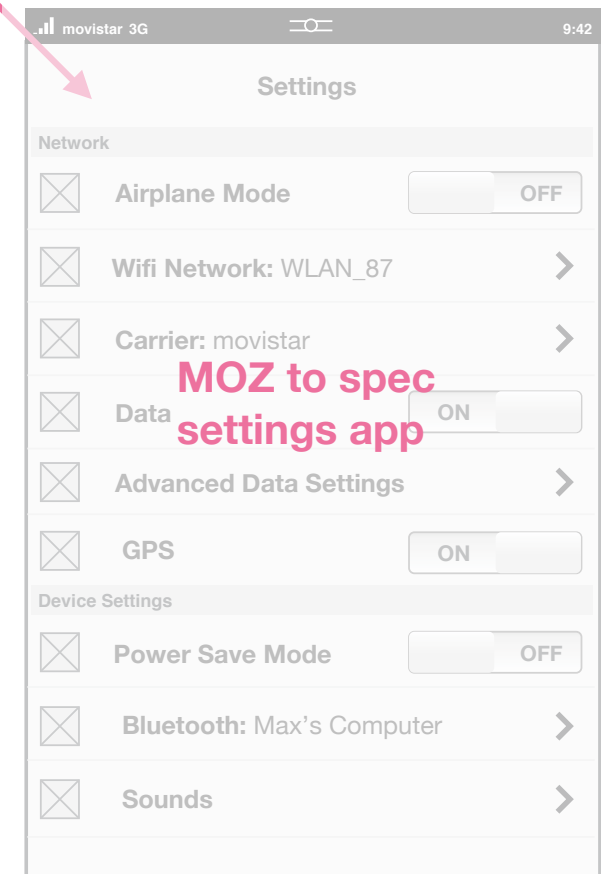# Quick Settings

## Settings Access
Accessed both from the Quick Settings area above the Notification Center, and from an Settings App icon in the grid.



| | movistar 3G | | | 9:42 |
|---|---|---|---|---|

**23´45 €** ≈ 6 13 2h 34m
Top-Up       Calls  SMS  left online

| Notifications | clear all |
|---|---|

Jim Jones — 10:35 am
How was the date last...

Gloria Lin — 10:20 am
Missed Call

**Social Network** — 10:00 am
Rebecca Watson  Nice pictures...

Hector Ibarra — 9:58 am
Re: lunch time

Gloria Lin — 9:45 am
Re: lunch time

**Social Network** — 9:40 am
Rebecca Watson  Nice pictures...

Gloria Lin — 9:20 am
Missed Call

**Social Network** — 8:20 am

## Settings app access in Quick Settings

WiFi  DATA  BLUETOOTH  POWER  GO TO SETTINGS



Settings

## Settings in application grid



movistar 3G   9:42

### Settings

**Network**

Airplane Mode — OFF

Wifi Network: WLAN_87 →

Carrier: movistar →

MOZ to spec settings app

Data — ON

Advanced Data Settings →

GPS — ON

**Device Settings**

Power Save Mode — OFF

Bluetooth: Max's Computer →

Sounds →

## General Settings view

# Credit Module
# **Utility Tray**

**Under review by Telefonica on what can be done for V1/ V2.**
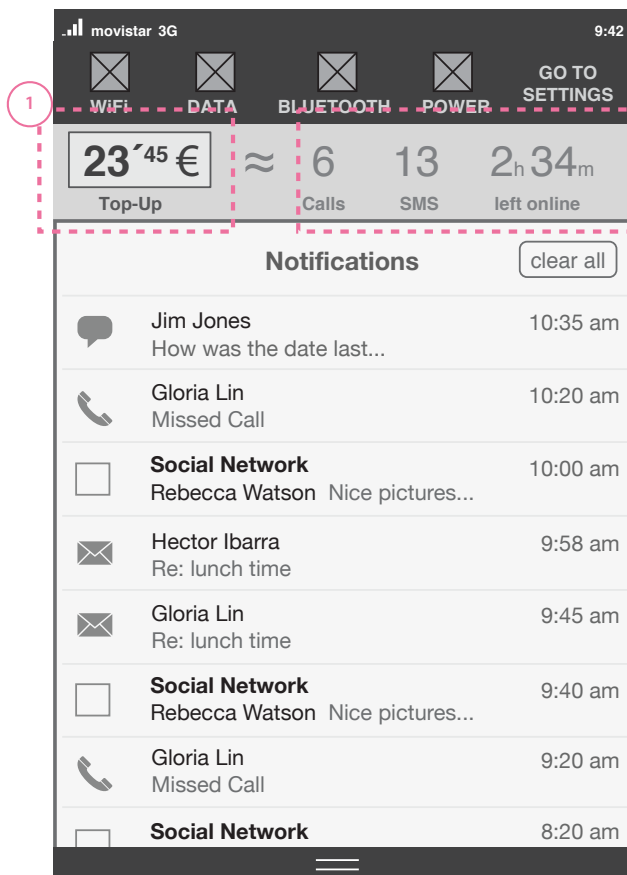


## (1) Credit Status & Top-Up

Credit status should be updated in real-time to give user constant knowledge of pre-paid credit amount.
The credit status is a button that when pressed links the user to a free APN that allows them to purchase more credit.

## (2) Forecasting

Based on the available credit, the user's plan, and the usage patterns (average length of phone calls), the phone provides:
- the number of phone calls left
- the number of SMS left
- time available online

# Thanks