

Credit and Data Modules

Utility Tray

Credit and Data Modules

Document Revisions

name	version	date	notes
Rafael Rebolleda	1	Jun 15 2012	Quick mock up to get the conversation going
Rafael Rebolleda	2	Jul 19 2012	Full Spec
Marco Cimatti	3	Jul 30 2012	Top Up flow update after talking with the devs More explicit info about roaming situations, refresh errors, data module text updated. First time use scenario added Credit and data module settings area added. Low balance and No Balance

Credit and Data Modules Overview

status bar

NOTIFICATION LIST

Credit Module

R\$23,45
Today, 15:32

+

Data Module

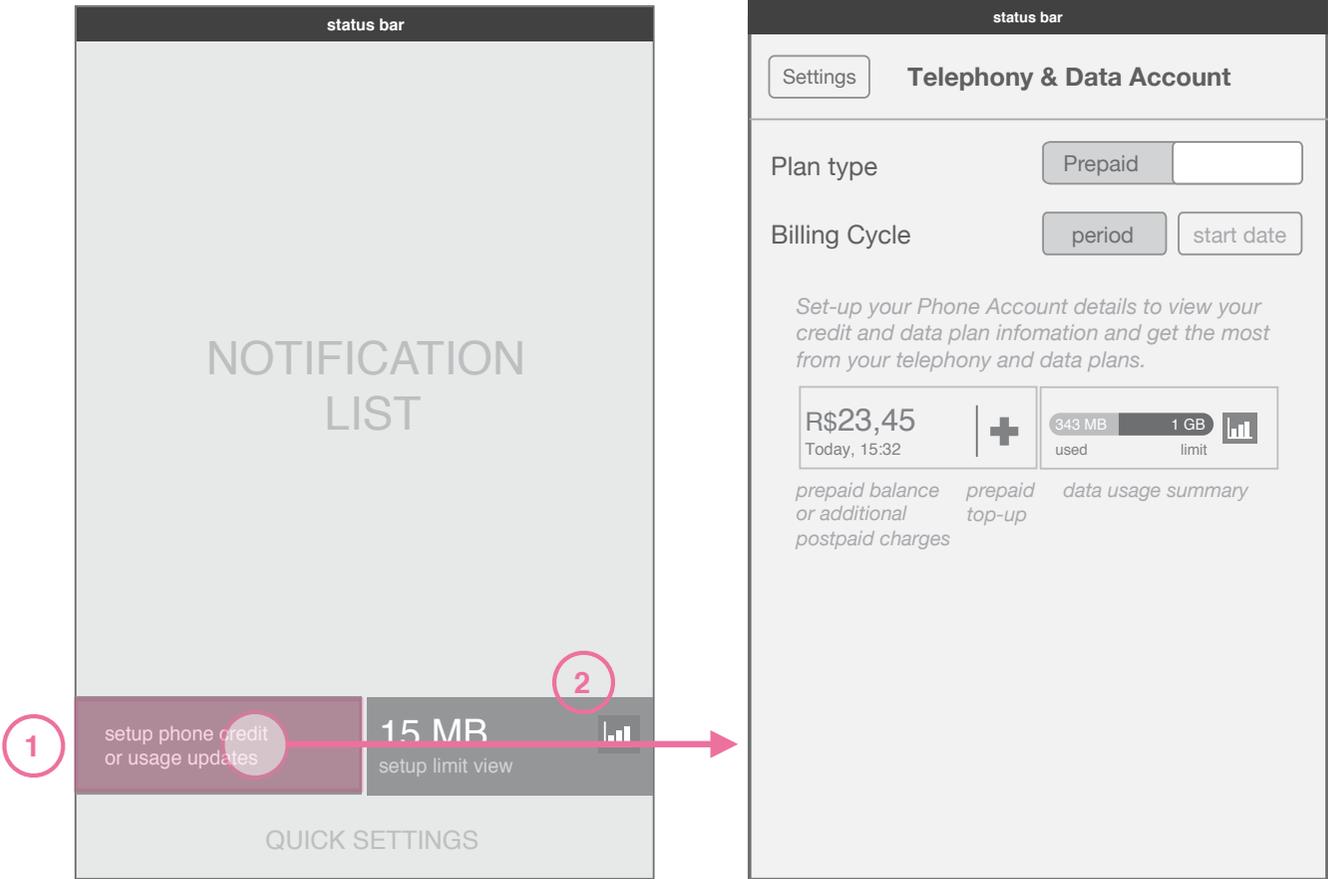
343 MB used | 1 GB limit

QUICK SETTINGS

- 1 remaining credit counter
- 2 indicator rotates when refreshing information
- 3 top-up button
- 4 timestamp for latest credit update
- 5 3G data usage so far
- 6 data limit (if set by user)
- 7 button takes to the full data usage report

Credit and Data Modules

First time experience



1st time Notification Center is revealed.

Credit & Data Module settings

Notification Center

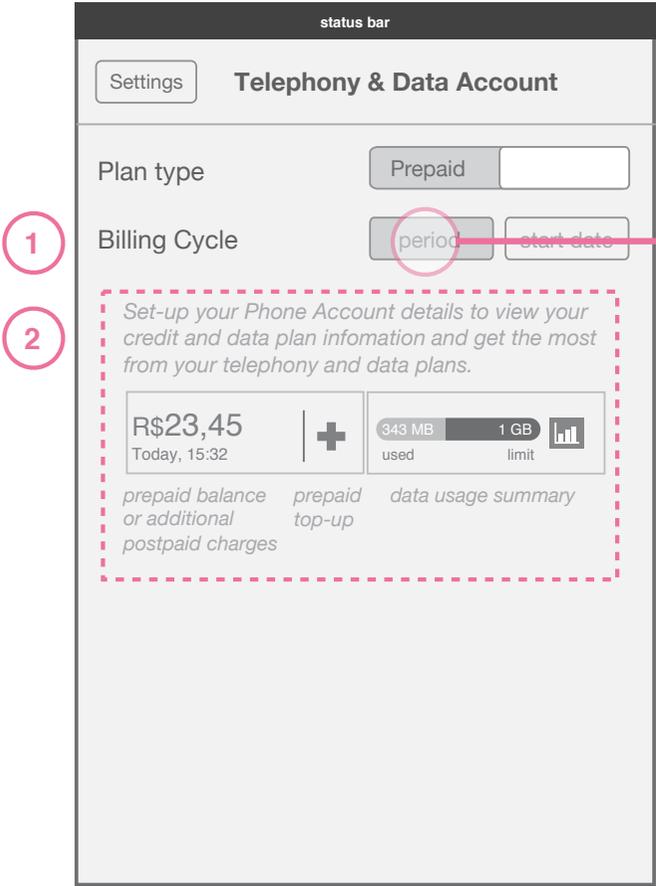
Credit Module

1 The first time the notification center is revealed, the Credit Module is inoperative, and shows a message explaining that it needs to be set-up. Tapping on the Credit Module sends the user to the Settings area. If the Credit Module does not get set-up, this message is always shown when the Notification is revealed.

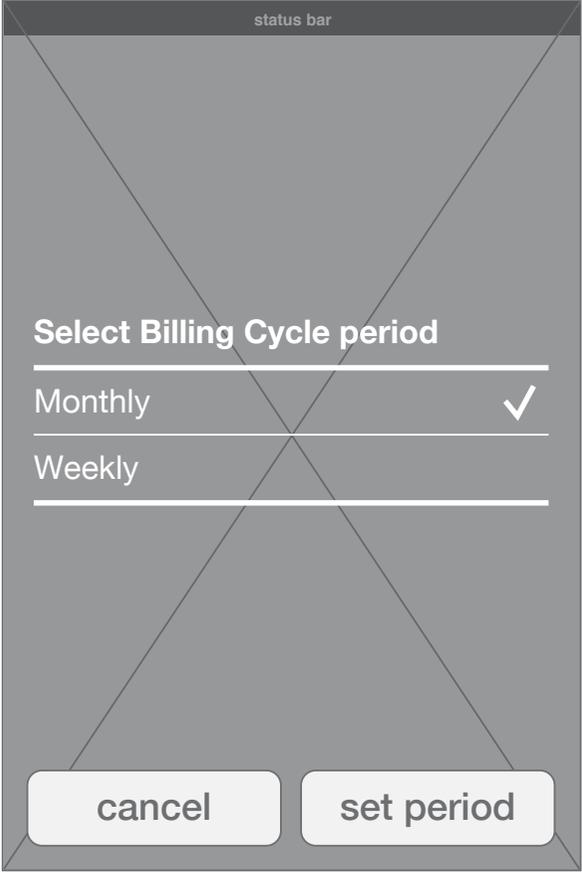
Data Module

2 The Data Module is active from the first time the phone is turned on and set by default to just counting the total amount of mobile data used, resetting itself after a calendar month.

Credit and Data Modules Settings . module set-up



Credit & Data Module settings



List Prompt
see building blocks document

Module set-up

The first time the module is set-up and a user arrives to its settings area: the Plan is default set to Prepaid, and only the Billing Cycle Period selector is active.

1 Tapping on the Billing Cycle Period shows a prompt to choose from a list. The modules will reset themselves based on the Billing Cycle set by the user.

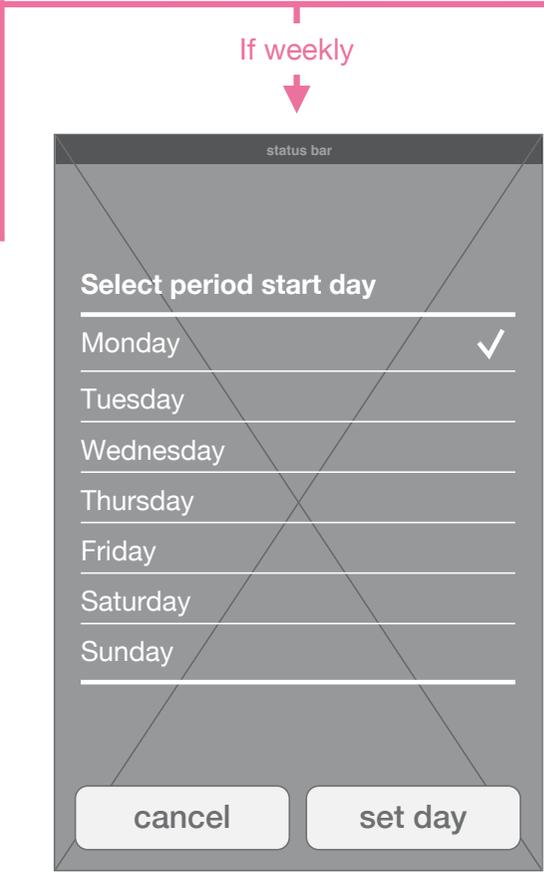
2 **Credit and Data Module explanation**
The area underneath gives an explanation to the benefits of setting up the credit module and what it will look like when set-up. This is only an illustration, there are no active functionalities in this area.

Credit and Data Modules

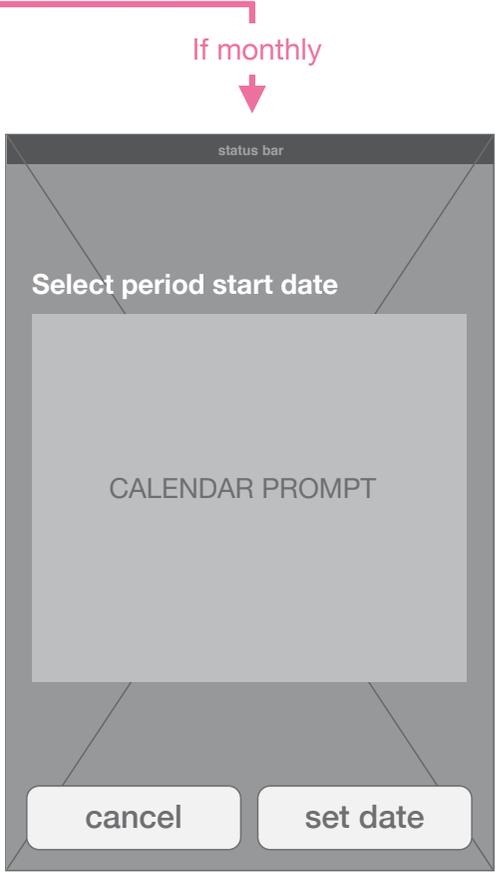
Settings . module set-up



Credit & Data Module settings
When the Period is set, tapping on Start Date shows the respective list prompt.

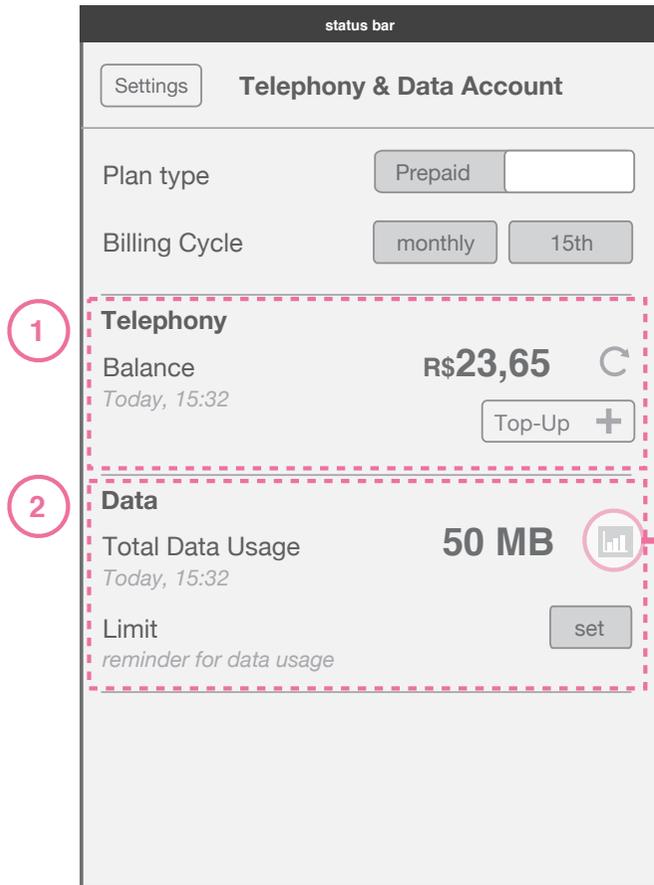


List Prompt
see building blocks document

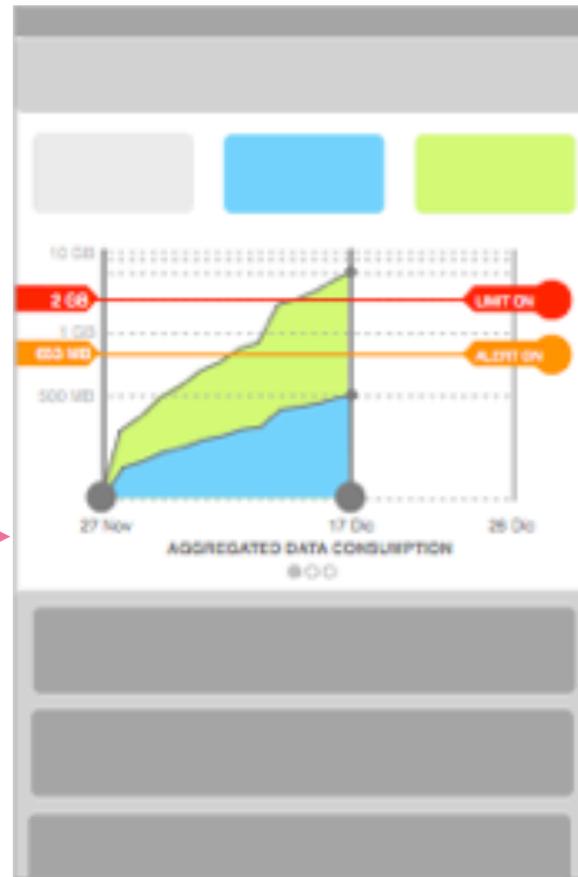


Calendar Prompt
see building blocks document

Credit and Data Modules Settings . prepaid view



Credit & Data Module settings



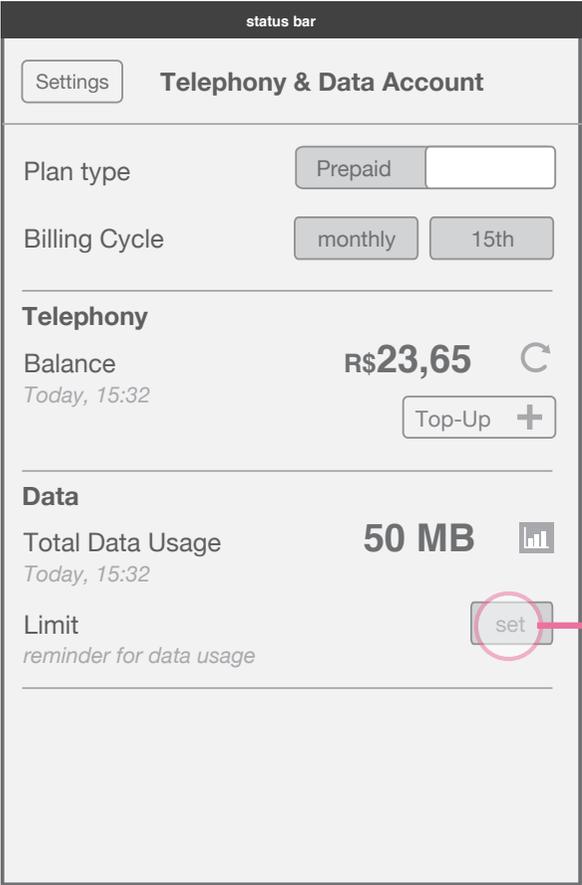
Data Usage Settings
(see Data Usage document for details)

Module set-up

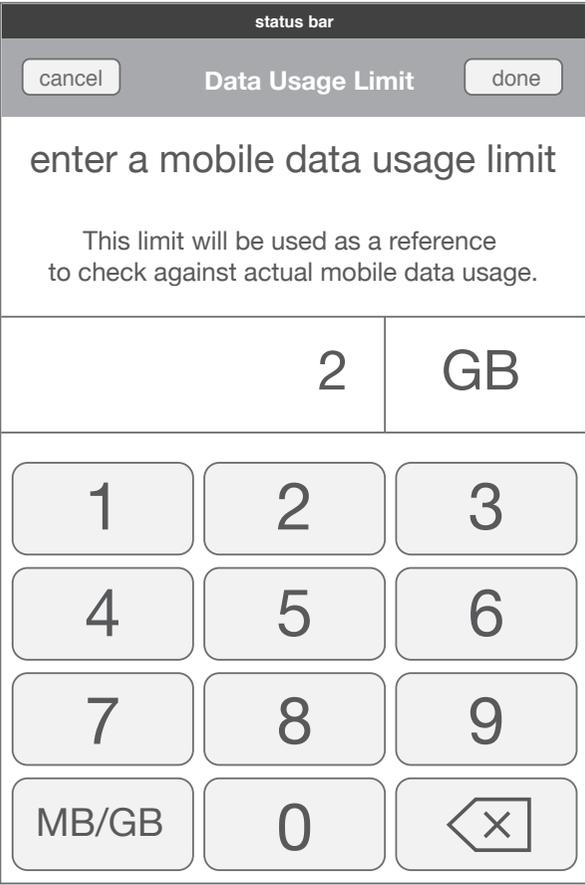
When the Billing Cycle date is selected, the settings area hides the explanation area and reveals two sections: Telephony and Data.

- 1 Telephony . Prepaid View**
Telephony links to the functionalities provided by the Credit Module. Here a user can see their balance, refresh it manually, and top-up their balance as well (see Top-Up flow pages)
- 2 Data**
The Data area links to the Data Usage area showing the total mobile data used and allows the user to set a reference limit that is reflected in the way the Data Module is shown. **This area looks the same for either prepaid or postpaid plans.**
- 3 Data Usage**
For a more detailed view on Data Usage, tapping on the data Usage icon send the user to the Data Usage area for a detailed look at use.

Credit and Data Modules Settings . prepaid view



Credit & Data Module settings



Keypad see building blocks

Data Limit set-up

1 To set a limit, the user taps on the Set button and a keypad appears to enter a limit.

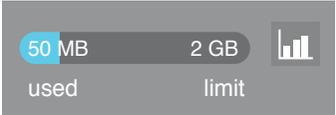
2 When the user returns to the Viewing the Credit and Data Module once setting-up, the module reflects the changes made in settings.

Data Module appearance change

Note how the Data Module changes appearance when a limit is set.

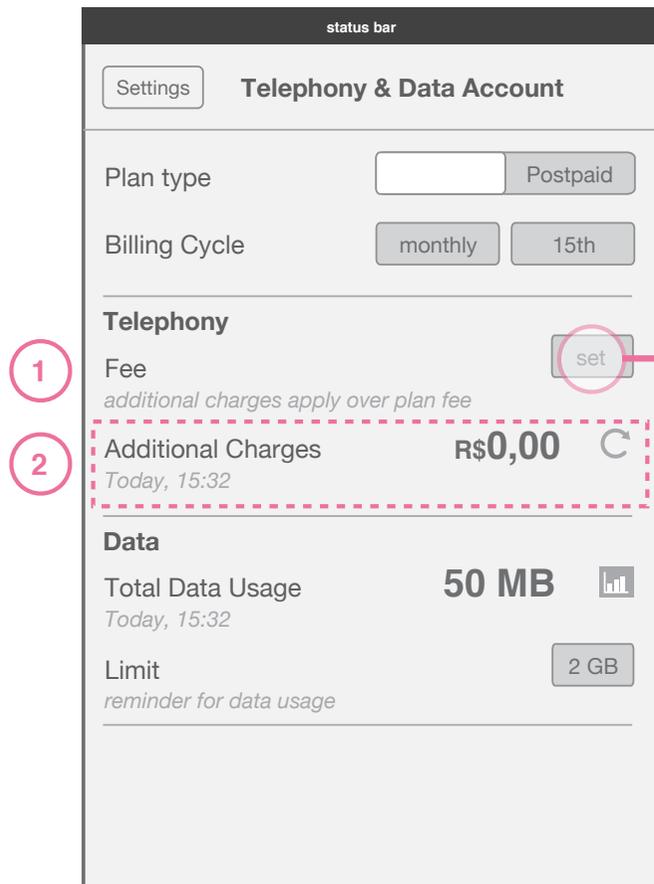


with no limit set

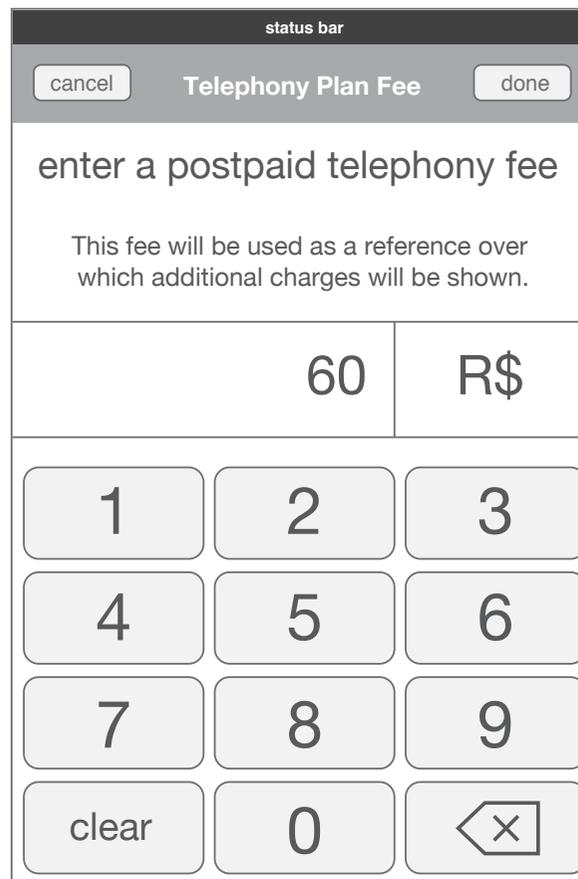


with limit set

Credit and Data Modules Settings . postpaid view



Credit & Data Module settings



Keypad
see building blocks

Module set-up

When the Billing Cycle date is selected, the settings area hides the explanation area and reveals two sections: Telephony and Data.

Telephony . Postpaid View Fee

To activate the postpaid telephony functions, a user must also set the postpaid fee they have, over which additional activity will be an extra charge.

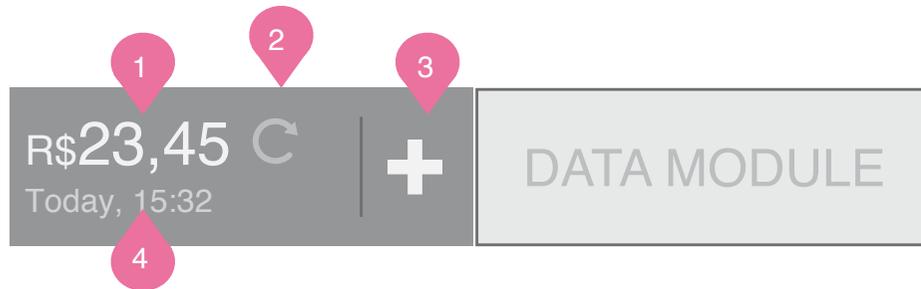
1 By tapping Set, a keypad allows the user to input a figure.

2 **Additional Charges**
This area shows any additional charges to the user's postpaid plan based on activity. It is updated regularly by the system.

Credit and Data Modules

Credit Module Prepaid scenarios

Behavior Details



- 1 Credit counter**

Counter *decreases* showing the user how much money they have spent since their last top-up.
The counter updates automatically every hour and every time the tray is pulled down unless it has already updated in the past 2 minutes.
- 2 Refreshing credit counter**

The rotating icon appears only when the module is refreshing.
To manually refresh, a user can tap on the credit module.
- 3 Top-Up (use Vivo top-up icon here)**

Tapping on the Top-Up icon starts the top-up flow detailed later.
- 4 Timestamp**

Timestamp shows the time of the last successful refresh of the credit counter.

Credit and Data Modules

Credit Module Prepaid scenarios

Low Balance Warning

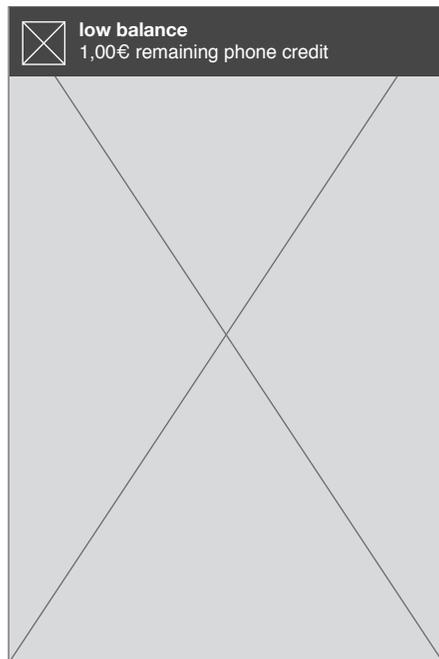


1

R\$1,50
Today, 15:32



DATA MODULE



2

Low Balance Notification

Low Balance Warnings

- 1 When prepaid balance is running low:
The background of Credit Module changes color to warn the user.
- 2 A Passive Notification is sent.

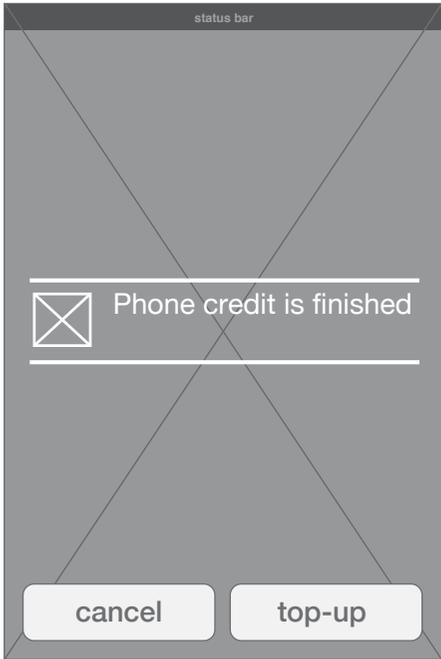
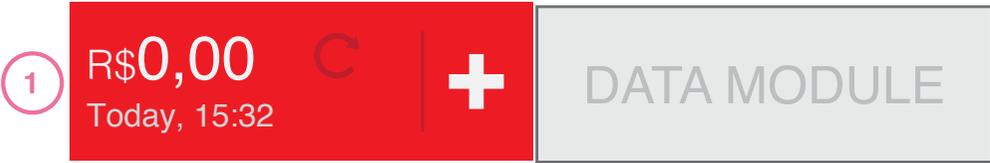
Low Balance Threshold

The low balance warning should appear when the user goes under R\$1,50 which is half the lowest pre-paid top-up amount of R\$3,00.

Credit and Data Modules

Credit Module Prepaid scenarios

No Balance Warning



2 No Balance Notification

No Balance Warnings

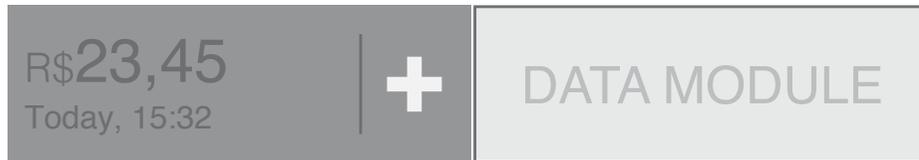
When prepaid balance is finished:

- 1 The background of Credit Module changes color to warn the user.
- 2 An prompt is presented to the user to alert them and to give the option of top-up. (vivo top-up icon to appear in prompt)

Credit and Data Modules

Credit Module Prepaid scenarios

Refresh Error



Refresh Error

If an error occurs during manual refresh, the credit counter goes to a grey or darker state to indicate it is not updated.

Roaming

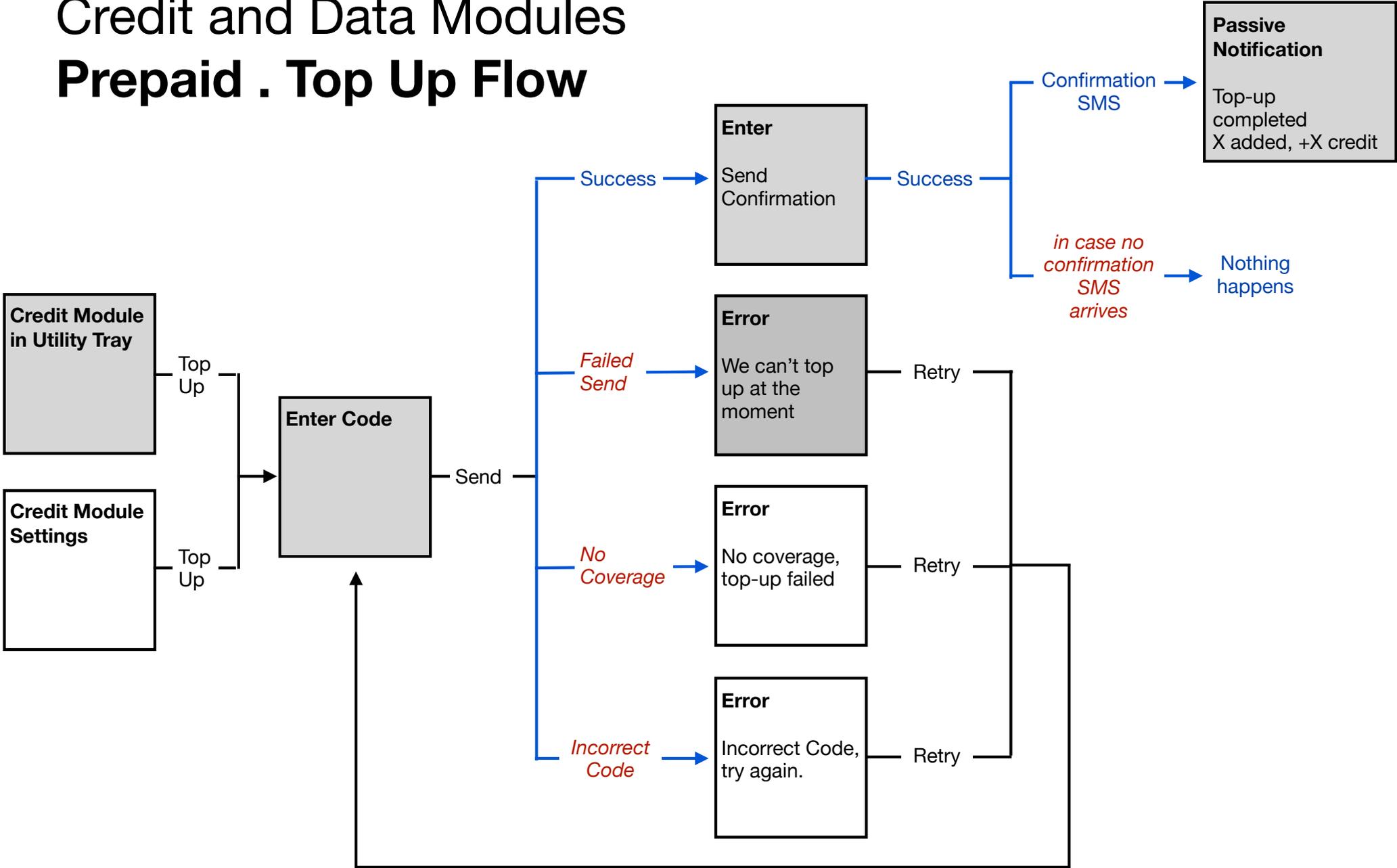


Roaming

When user is roaming, no automatic refresh is done by the system, it can only be completed manually. The Credit Module changes to display this point by showing the rotating wheel as an icon. When the module is pressed, an update is performed.

Credit and Data Modules

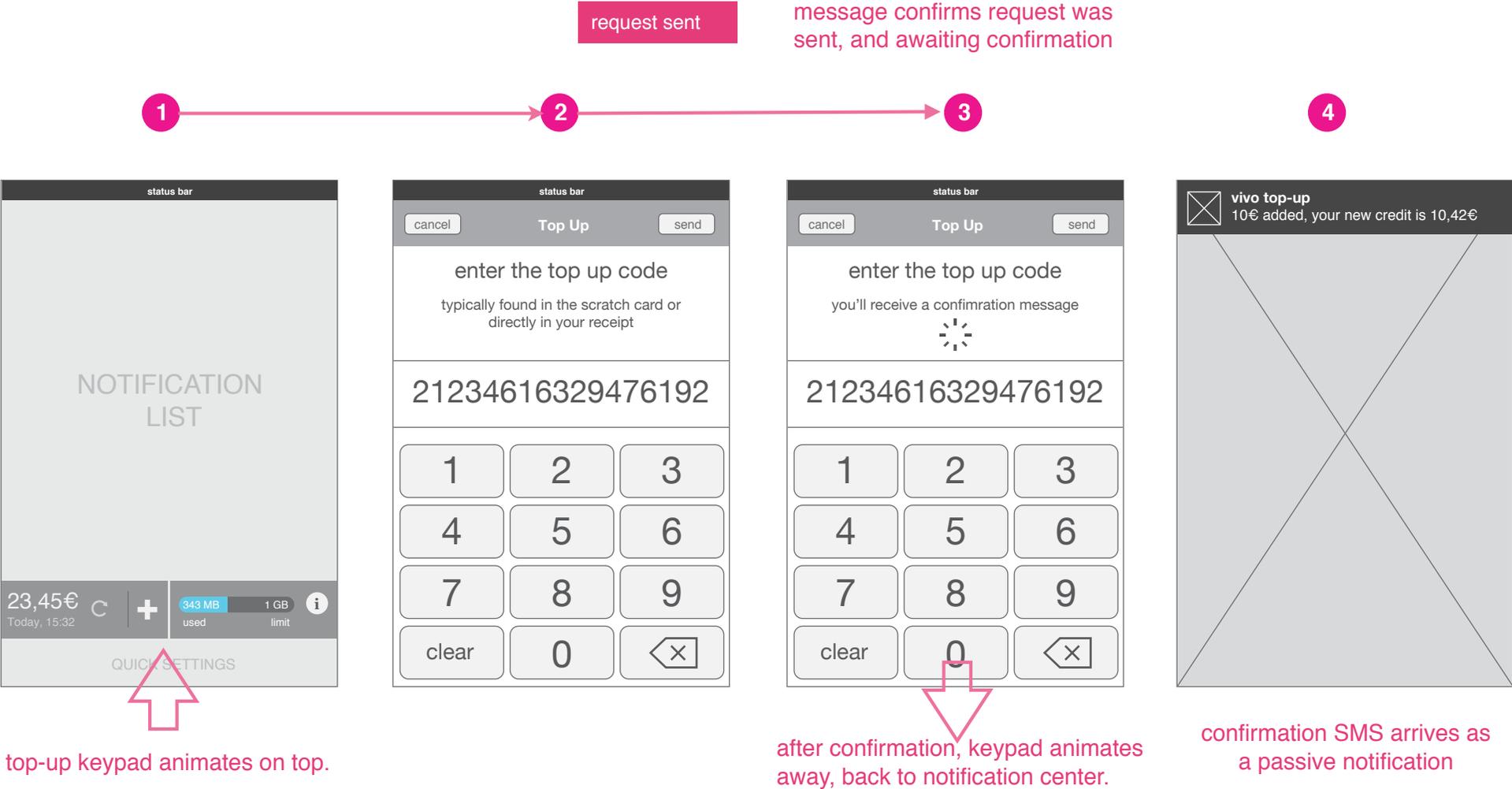
Prepaid . Top Up Flow



Credit and Data Modules

Prepaid . Top Up Flow

Note:
These wireframes are based on the assumption that the top-up confirmation message comes from the a different number than the one to check balance.

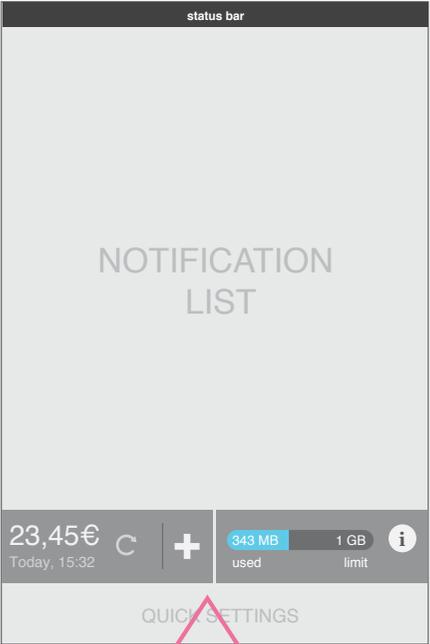


Credit and Data Modules

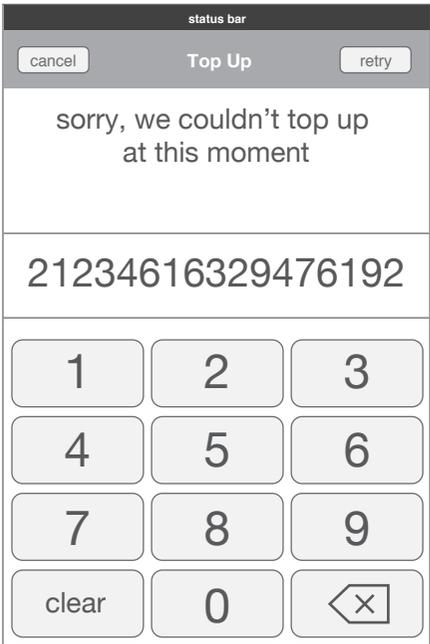
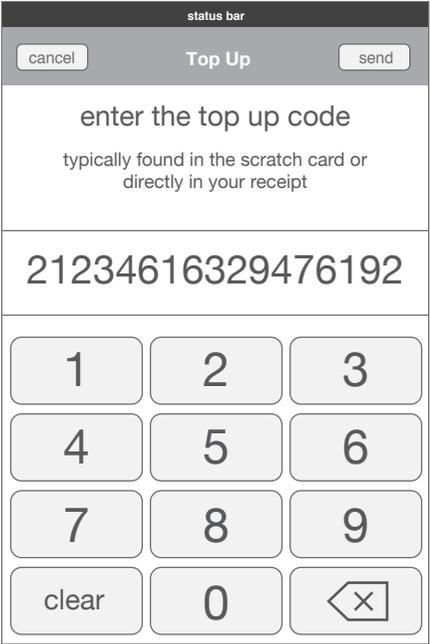
Prepaid . Top Up Flow

Error Example

Note:
 These wireframes are based on the assumption that the top-up confirmation message comes from the a different number than the one to check balance.



top-up keypad animates on top.

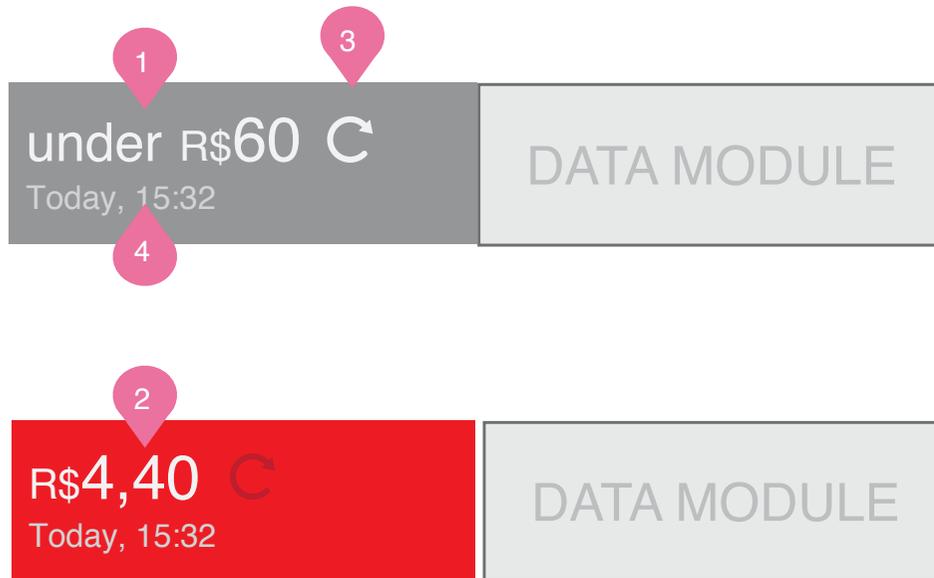


error message:
 refer to prompts specs for layout

Credit and Data Modules

Credit Module Postpaid scenarios

Behavior Details



Charge counter

- 1 When the user is not accruing additional charges beyond their postpaid fee, the counter displays the fee. The counter updates automatically every hour and every time the tray is pulled down unless it has already updated in the past 2 minutes.

Charge counter with extra fee displayed

- 2 When the user (based on the plan) starts to accrue additional charges, the counter *increases* showing the user how much additional money they are being charged. The background changes color to warn the user.

Refreshing credit counter

- 3 The rotating icon appears only when the module is refreshing. To manually refresh, a user can tap on the credit module.

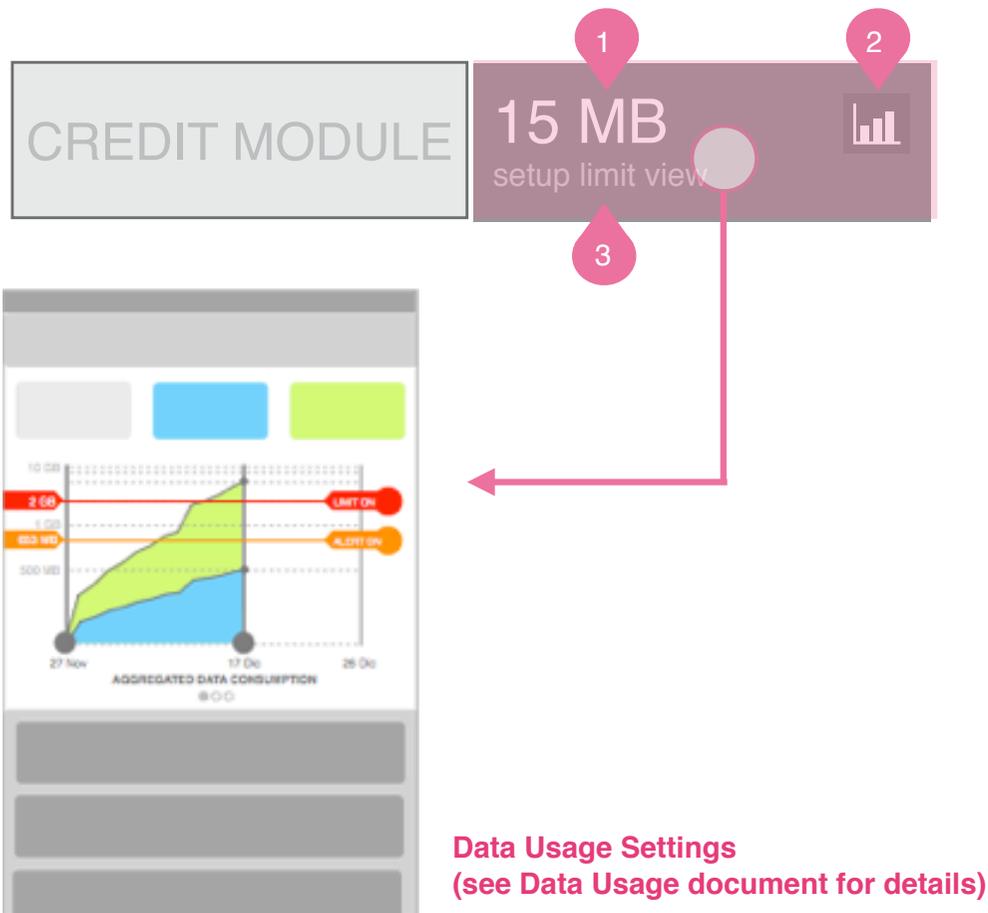
Timestamp

- 4 Timestamp shows the time of the last successful refresh of the credit counter.

Credit and Data Modules

Data Module

Behavior Details . no limit set

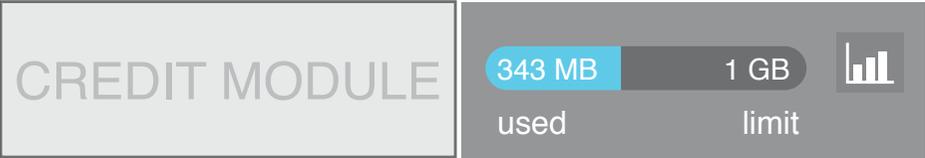


- 1 Mobile data counter**
Counter of total 3G data used increases. If no limit is set, this number resets itself after each month as a default.
- 2 Data Usage details**
Tapping on this icon sends a user to the Data Usage settings area.
- 3 Setup Limit View**
Tapping on the module itself (if not limit has been set) sends a user to the Data Usage area where they can turn on the ability to set a limit reference.

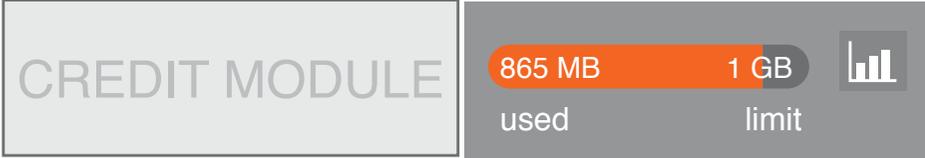
Credit and Data Modules

Data Module

Behavior Details . limit set



Mobile data counter
reports total 3G and reminds user of limit they set.



Close to limit
chart changes color to alert user they are close to limit.

This is set in Data Usage.



Limit Reached
changes color and numbers of limit and usage flip to alert user they have reached passed limit.

