Gaia UX
App & System Updates

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mozilla

Telefónica

v1

Process overview

Check → **Prompt** → **Review and Inititiate** → **Downloading** → **Install**

Check
- Device checks for pending updates.
- Checks can be manual or automatic.
- User can specify connection restrictions and schedule of automatic checks.

Prompt
- Notifications prompt user when updates are found.
- User can tap Notification to open App or System update "utilities".

Review and Inititiate
- Update "utilities" present update details and controls for initiating / monitoring downloads.
- The utilities are subsections of the System app.
- There are two utilities:
  App Update Utility
  System Update Utility
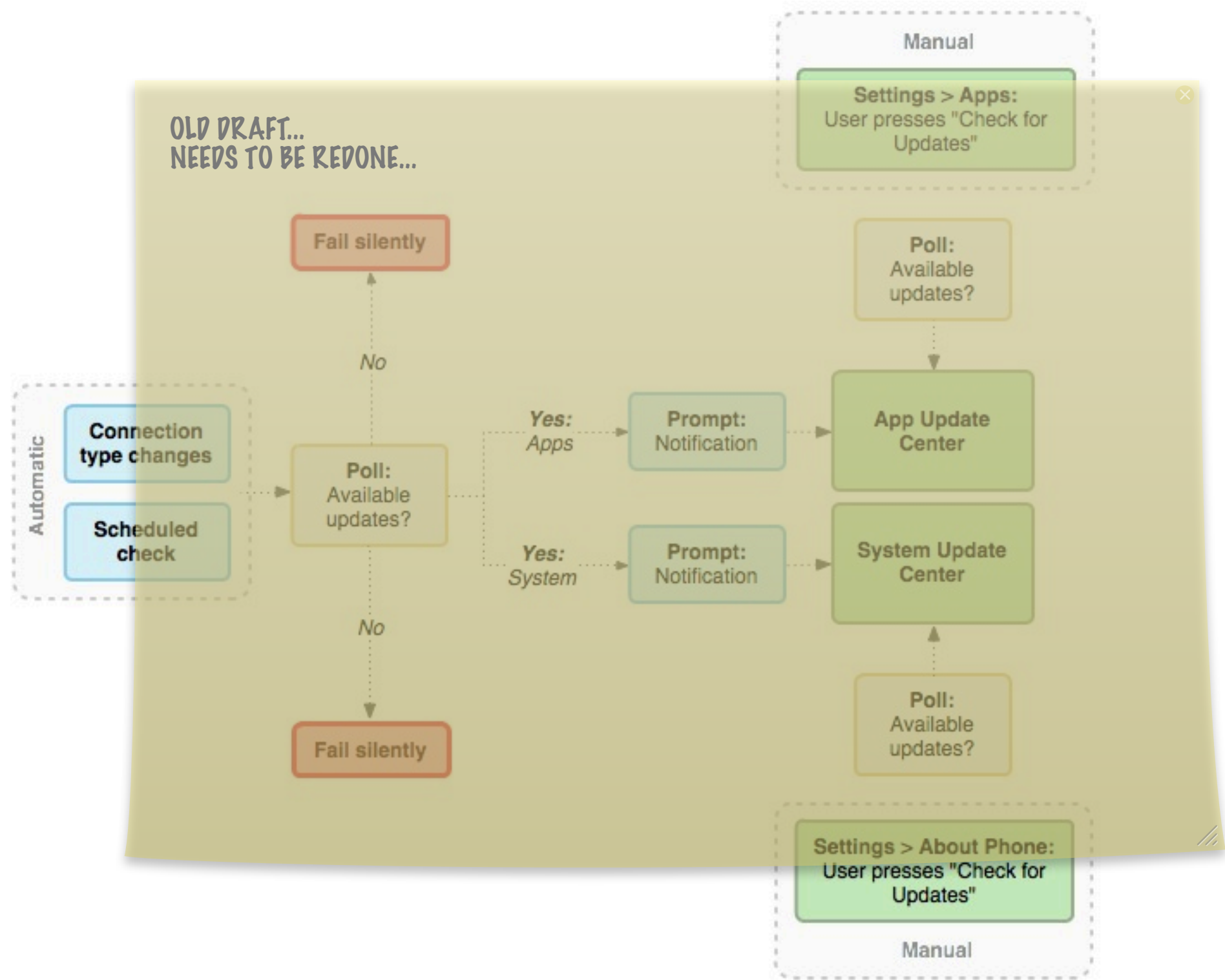- User initiates or defers download(s).

Downloading
- Status Bar indicator appears while download is active.
- Progress bars in Notification Center enable user to track download status.
- Downloads can be paused or canceled by user.
- Downloads can be paused and resumed automatically in response to connection type changes, device power status, etc.
- All downloads are throttled to a percentage of available bandwidth.

Install
- App updates install silently once download is complete.
- System updates prompt the user once download is complete. User must manually initiate install.
- System updates require either a session restart or device restart, depending on the update type.
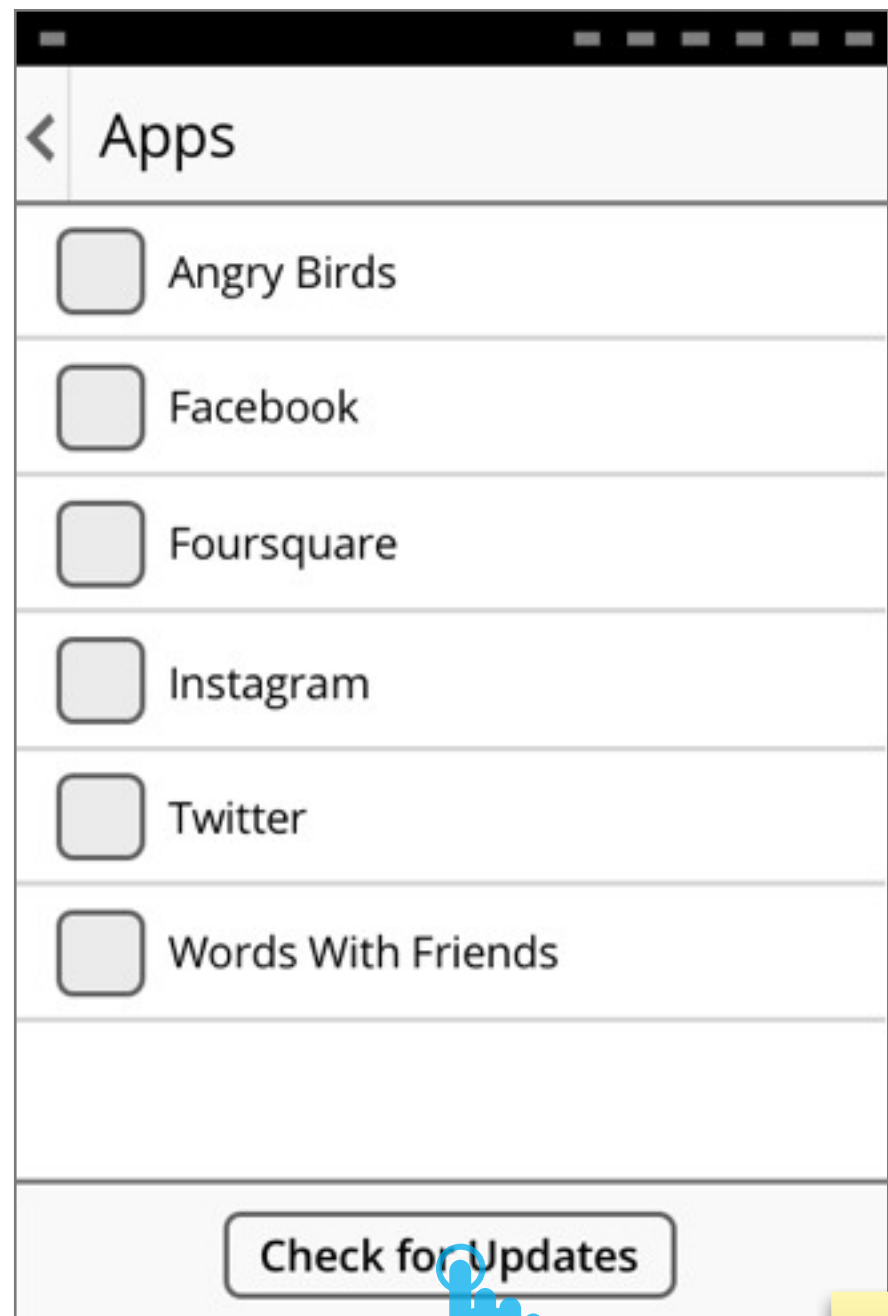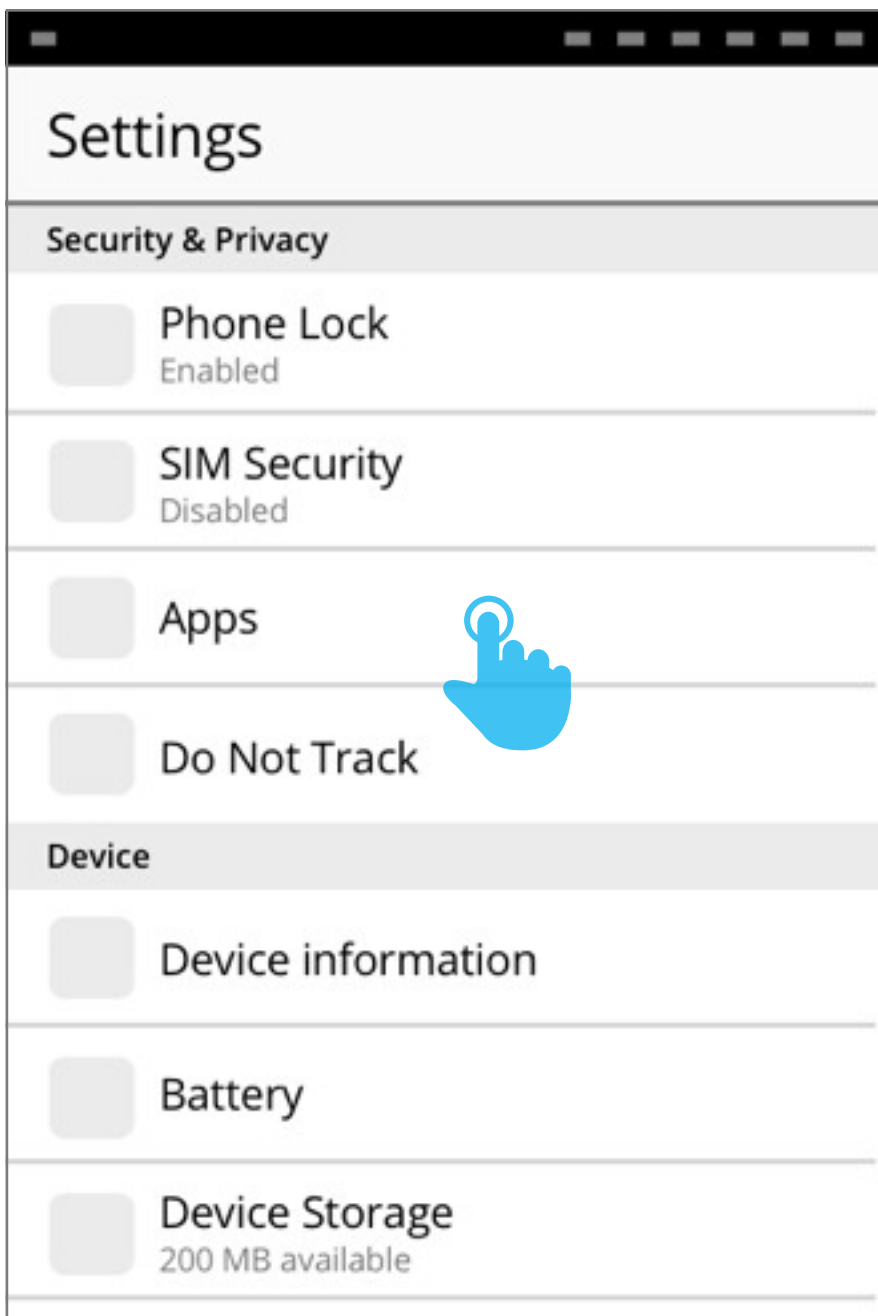
Upates can be checked for **manually** or **automatically**.

Automatic checks

• Scheduled automatic update checks are restricted to WiFi or zero-rated connections only.

• If there is no active WiFi or zero-rated connection at the scheduled check time, the check fails silently.

• When the connection type changes to WiFi or zero-rated, the system checks to see if any scheduled checks were missed. If true, the system checks for an update immediately, instead of waiting until the next scheduled time.

• User can set the frequency of scheduled update checks from the **Settings** within the **App Update** and **System Update** utilities**.**

OLD DRAFT...
NEEDS TO BE REDONE...

Manual

Settings > Apps:
User presses "Check for Updates"

Fail silently

Poll:
Available updates?

No

Automatic

Connection type changes

Scheduled check

Poll:
Available updates?

Yes:
Apps

Prompt:
Notification

App Update Center

Yes:
System

Prompt:
Notification

System Update Center

No

Fail silently

Poll:
Available updates?

Settings > About Phone:
User presses "Check for Updates"

Manual

Check: App Updates (Manual)

Settings

Security & Privacy

Phone Lock
Enabled

SIM Security
Disabled

Apps

Do Not Track

Device

Device information

Battery

Device Storage
200 MB available

< Apps

Angry Birds

Facebook

Foursquare

Instagram

Twitter

Words With Friends

Check for Updates

Checking...

Updates found:
Open: App Update
Utility > Updates tab.

Updates

Updates   Downloading (3)

Facebook 10.3
20 MB

Donkeys! 2.1
12 MB

Wine World 10.3
6.4 MB

Xenomorphic 3.13
256 kb

Update all

Updates not found:
Display Banner with:
"No updates found"

< Apps

Angry Birds

Facebook

Foursquare

Instagram

Twitter

Words With Friends

No updates found

Need to add:
"No connection" edge case.

Check: System Updates (Manual)

Settings

Security & Privacy

Phone Lock
Enabled

SIM Security
Disabled

Apps

Do Not Track

Device

Device information

Battery

Device Storage
200 MB available

Device Information

Phone name	My Brazil Phone
Model	Brand-S2000
Software	FxOS 2.0
Last updated	Feb 13, 2013

More information   Check now

Check for updates   Daily

About Firefox Phone

Firefox is designed by Mozilla, a global community working together to keep the Web open, public and accessible to all. Sound interesting? Get involved!

Licensing   About your privacy

Checking...

Updates found:
Open: System
Update Utility.

System update available

FxOS 10.3
85 MB

What's New in 10.3

• Preliminary native PDF support.
• Support for SPDY networking protocol v3.
• WebGL enhancements, including compressed textures for better performance.
• Optimized memory usage for add-ons.
• JavaScript debugger integrated into developer tools.

More details

Download over WiFi only

Later   Download

Updates not found:
Display Banner with:
"No updates found".

Device Information

Phone name	My Brazil Phone
Model	Brand-S2000
Software	FxOS 2.0
Last updated	Today, 12:45 pm

More information   Check now

Check for updates   Daily

About Firefox Phone

Firefox is designed by Mozilla, a global community working together to keep the Web open, public and accessible to all. Sound interesting? Get involved!

Licensing   About your privacy

No updates found

Need to add:
• "No connection" edge case.
• "Current phone number" as one of fields in "Device Information" page?

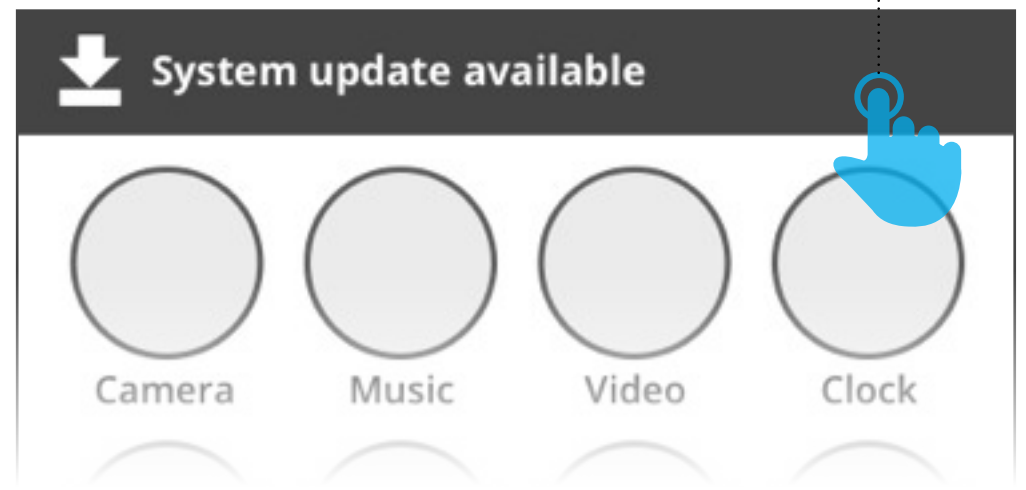## Notifications prompt user when updates are available.

Notifications appear when automatic checks find available updates. Update notifications behave like standard Notifications:

- They appear and hold on-screen for several seconds.

- User can press to open the respective update Utility (App or System).

- Once they are dismissed or time out they are added to the Notification Center.

- Within the Notification Center, they are listed chronologically. Newer notifications push them down the list.

- **Image**: download icon
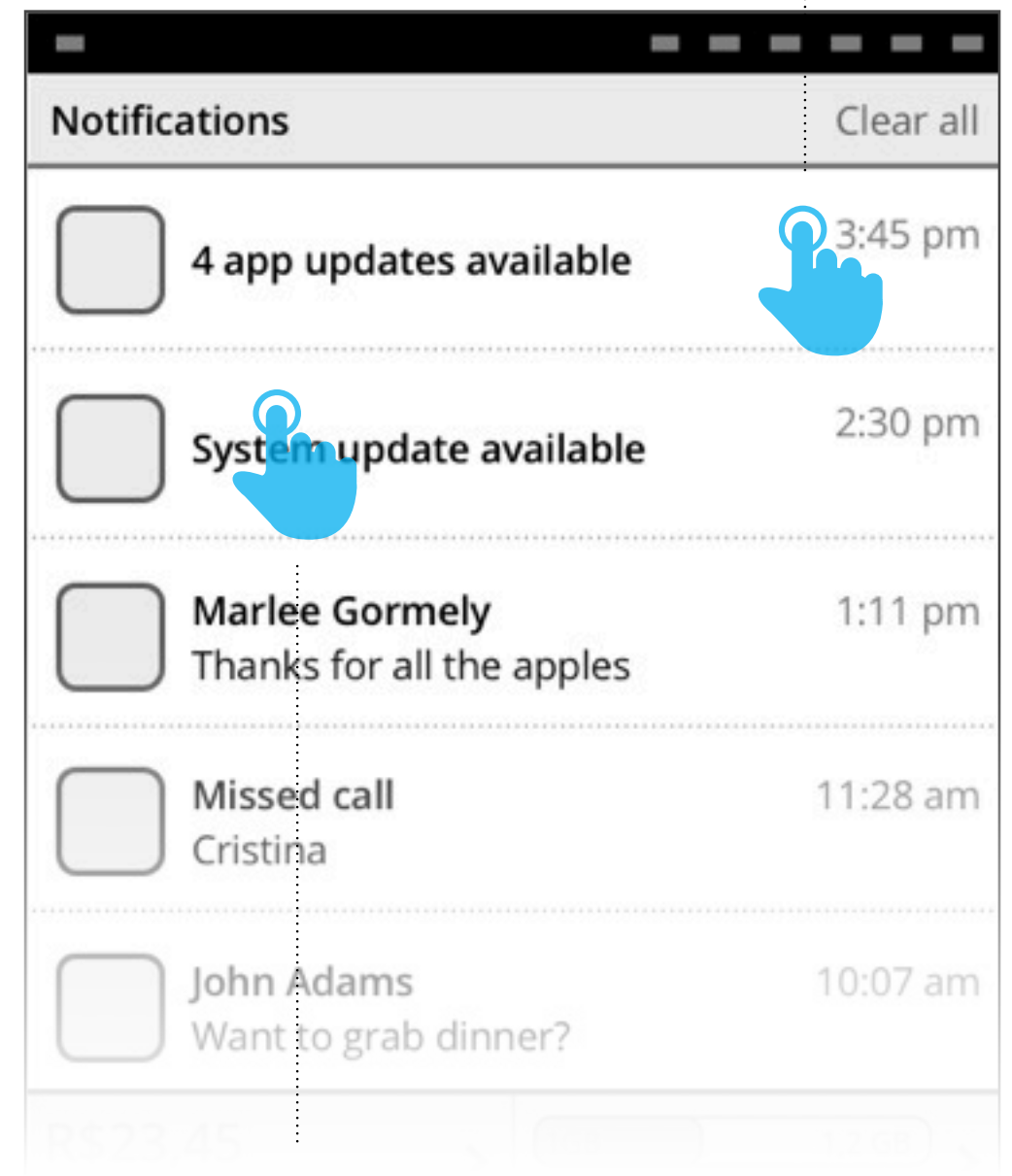 **Title**: "N app updates available"
  Body: None

Notification   Open **App Update Utility**

4 app updates available

Camera   Music   Video   Clock
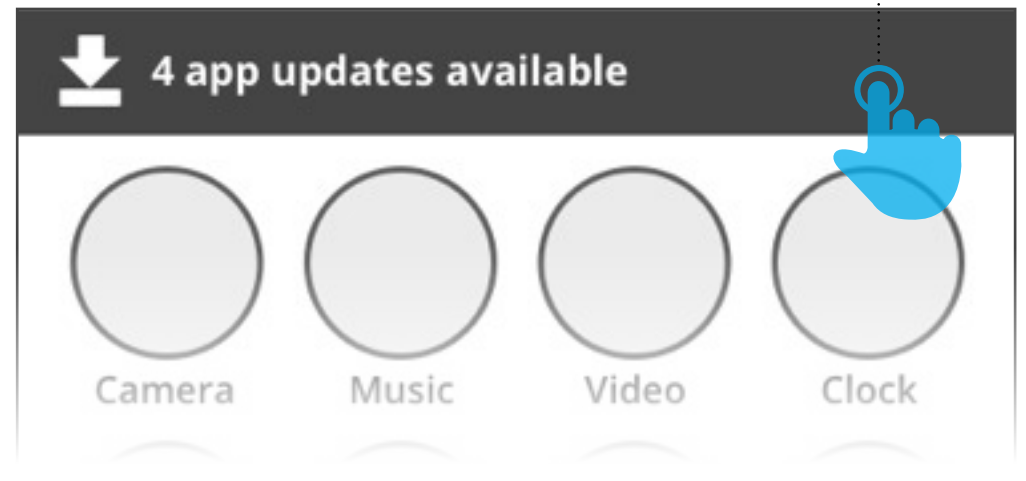
Notification   Open **System Update Utility**

System update available

Camera   Music   Video   Clock

Notification Center   Open **System Update Utility**

Notifications   Clear all

4 app updates available   3:45 pm

System update available   2:30 pm

Marlee Gormely   1:11 pm
Thanks for all the apples

Missed call   11:28 am
Cristina

John Adams   10:07 am
Want to grab dinner?

Open **App Update Utility**

Review & Initiate:
App Update Utility

Close **Settings**
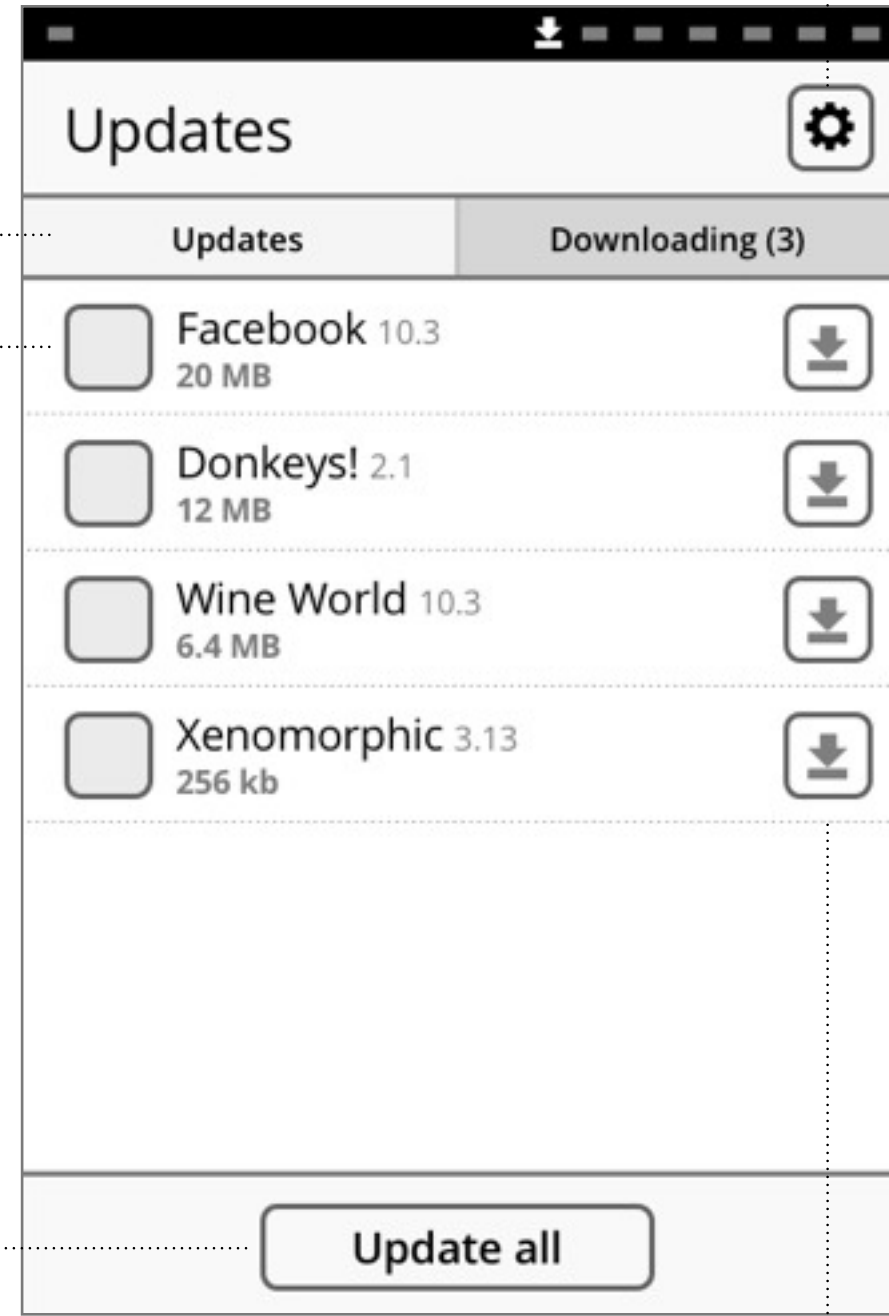
Need to add:
Zero-rated APN options?

Updates

Tabs

Updates   Downloading (3)

Alphabetical list of available updates.
Each displays:
• App icon
• App name
• Version number
• Download size

Facebook 10.3
20 MB

Donkeys! 2.1
12 MB

Wine World 10.3
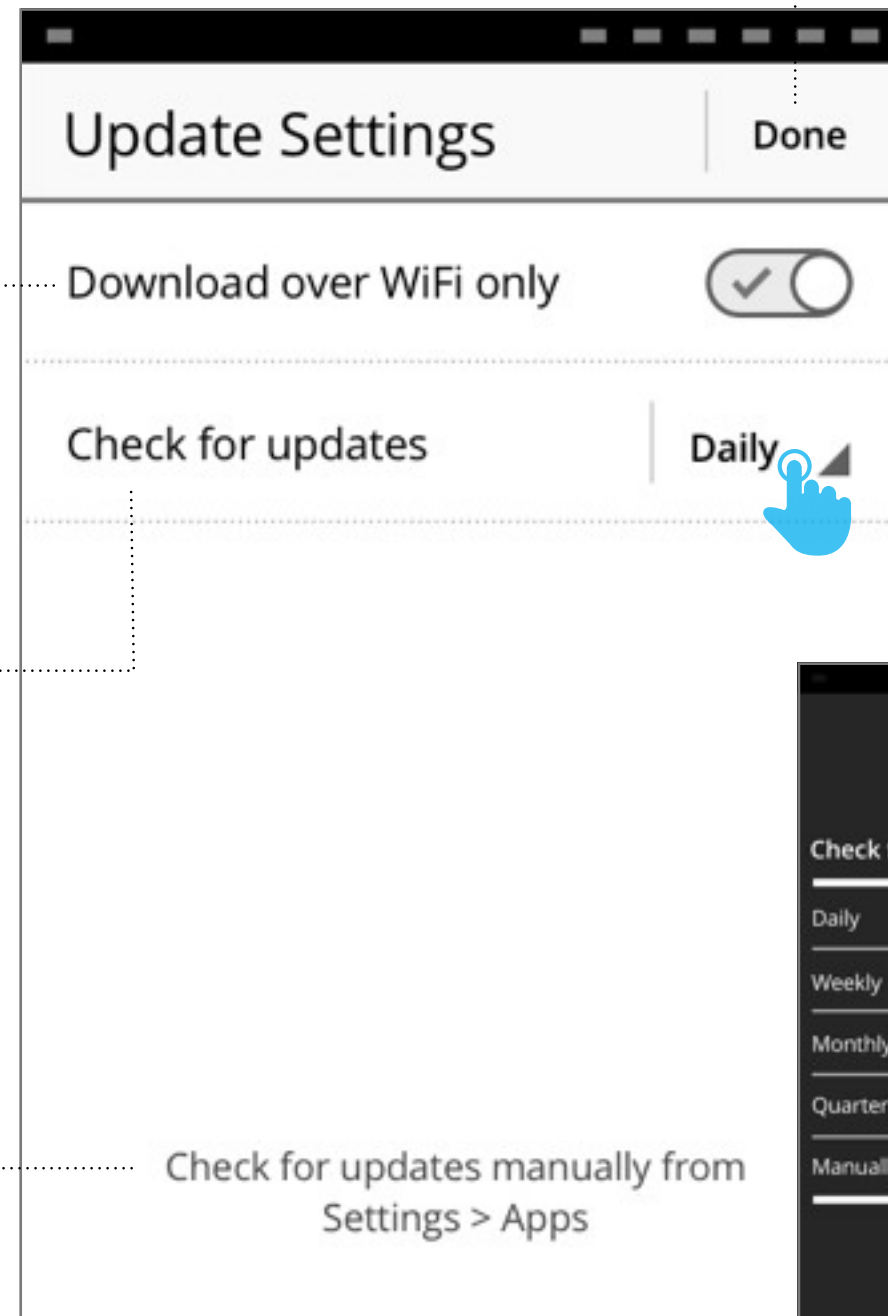6.4 MB

Xenomorphic 3.13
256 kb

Update all

Download all listed app updates

When set to True, update downloads and scheduled checks will only happen when WiFi is Connected.

Users can reduce the potential annoyance and bandwidth consumption of update checks by turning down their frequency
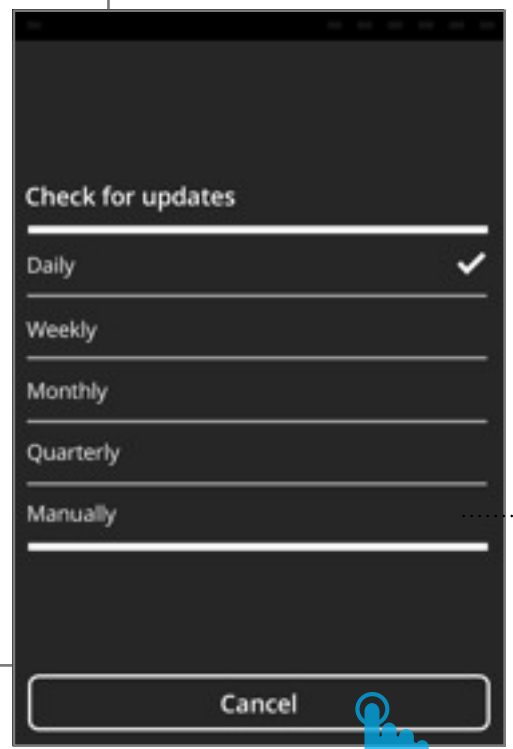
Update Settings   Done

Download over WiFi only

Check for updates   Daily

"Manually" prevents automatic scheduled updates.

Check for updates

Daily   ✓

Weekly

Monthly

Quarterly

Manually

Tip

Check for updates manually from Settings > Apps

Cancel

Updates tab

Download individual app update

Settings

Review & Initiate:
System Update Utility

System update available

FxOS 10.3
85 MB

What's New in 10.3

- Preliminary native PDF support.
- Support for SPDY networking protocol v3.
- WebGL enhancements, including compressed textures for better performance.
- Optimized memory usage for add-ons.
- JavaScript debugger integrated into developer tools.

More details

Download over WiFi only ✓

Later   Download

Update available view

What's New:
Enables user to review release notes. If text exceeds 7 lines it is truncated and a More Details toggle added.

More Details button:
Expands the "What's New" text area to full height.

Download over WiFi only toggle
When set to True, update downloads and scheduled checks will only happen when WiFi is Connected.

Display:
- Icon
- Update version
- Download size

Later:
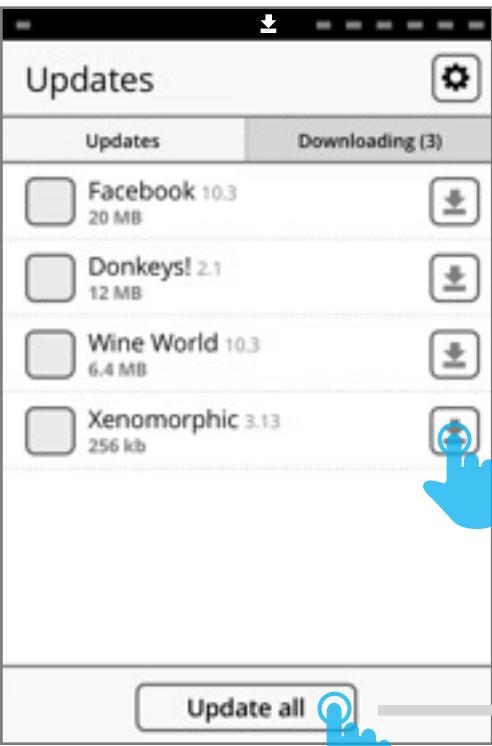Defer download and close Utility. User will be reminded at next scheduled update check.

System update available

FxOS 10.3
85 MB

What's New in 10.3

- Preliminary native PDF support.
- Support for SPDY networking protocol v3.
- WebGL enhancements, including compressed textures for better performance.
- Optimized memory usage for add-ons.
- JavaScript debugger integrated into developer tools.
- Security fix for Bluetooth tethering vulnerability.
- Support for SPDY networking protocol v3.
- WebGL enhancements, including compressed textures for better performance.
- Optimized memory usage for add-ons.
- JavaScript debugger integrated into developer tools.

Later   Download

Expanded "What's New" text area

Download:
Initiate update download and close Utility.

Downloading: App Update

User presses individual update button

- File Size text is replaced with "Downloading..."

- Individual "Download" button changes to "Downloading" icon.

- Downloading tab counter is updated.

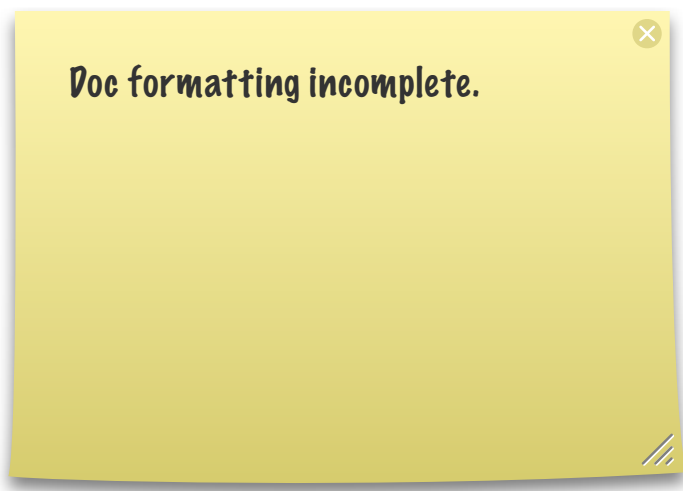- Row is removed next time user opens "Updates" tab.
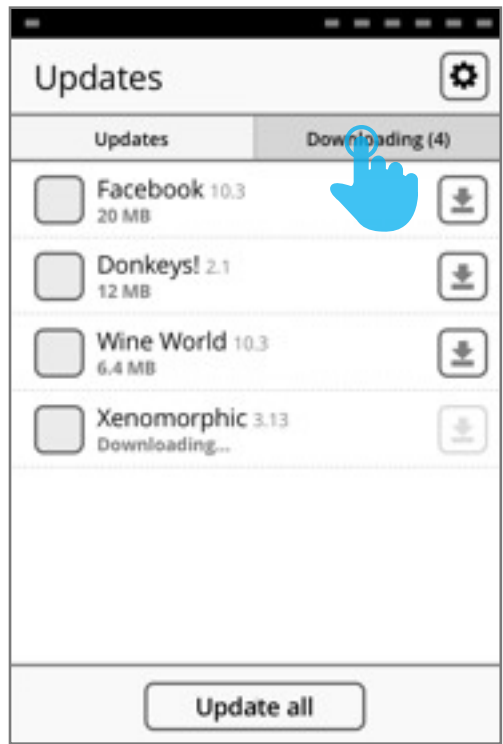
User presses "Update All"

- Same results as when user presses individual update button (see above), except applied to all updates at same time:

- "Update all" button is disabled if there are no available downloads:

 Active

 Inactive

App Update Utility

Multiple app updates can download simultaneously.

No updates available:

- Edge case, wherein user opens App Update Utility via a link that goes directly to "Downloading" tab, and then opens Updates tab when there are no availabe updates.
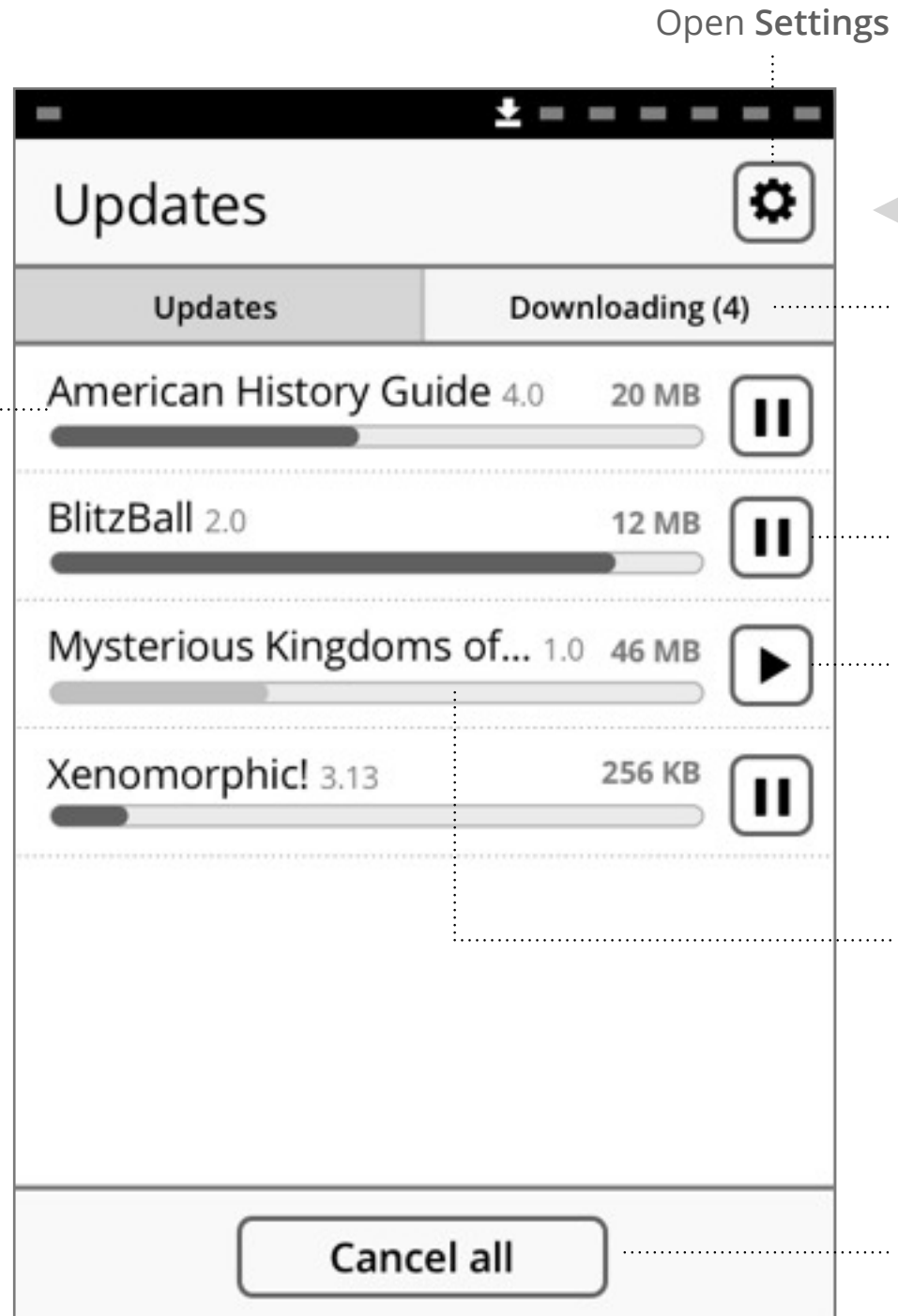
Doc formatting incomplete.

Open **Settings**

Updates

Updates   **Downloading (4)**

Tab title displays
number of active
downloads

American History Guide 4.0   20 MB   ⏸

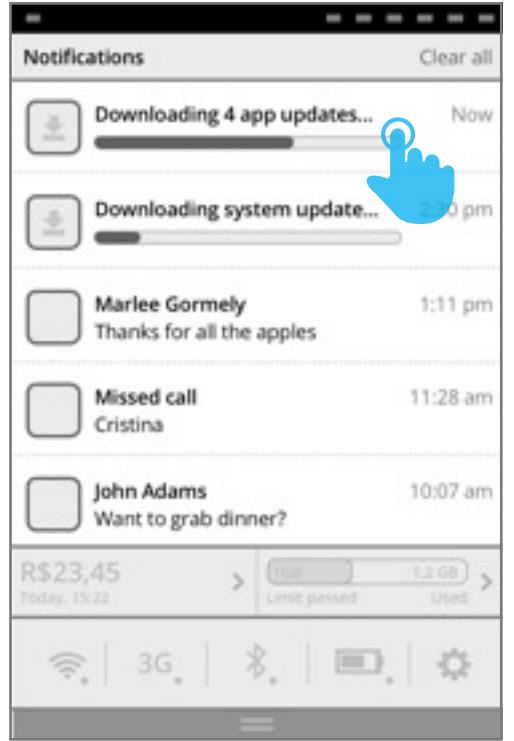**Alphabetical list of
active downloads.**
Each displays:
• App name
• Version number
• Download size
• Progress bar
• Buttons

BlitzBall 2.0   12 MB   ⏸   Pause individual
download

Mysterious Kingdoms of... 1.0 46 MB   ▶   Resume individual
download

Xenomorphic! 3.13   256 KB   ⏸

**App Update
Utility**

Paused
progress bar

Cancel all   Cancel all active
downloads

Once apps are downloading,
the "Downloading" tab provides
tools for tracking progress,
pausing, and cancelling.

Downloading tab

Notifications   Clear all

⬇ Downloading 4 app updates... Now

⬇ Downloading system update...

Marlee Gormely   1:11 pm
Thanks for all the apples

Missed call   11:28 am
Cristina

John Adams   10:07 am
Want to grab dinner?

R$23.45   >   1.2 GB >
Today, 15:22   Limit passed   Used

📶 | 3G | ✳ | 🔋 | ⚙

**Notification Center progress
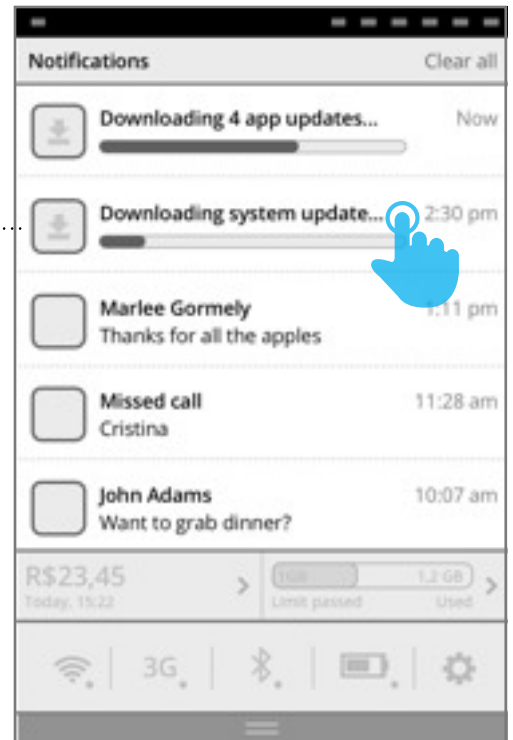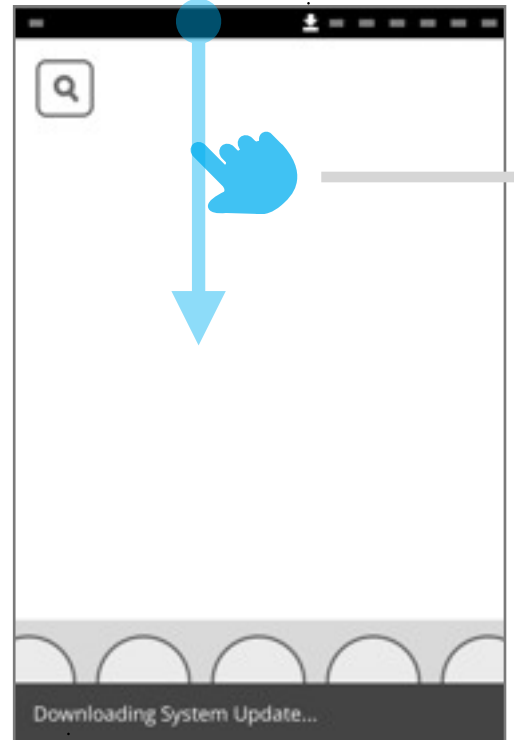bar display download status.**

• **Icon**: downloading icon
  Title: "Downloading N app
  updates..."
  Body: progress bar
  (aggregate of all active app
  downloads).

• On press, open App Update
  Utility > Downloading tab.
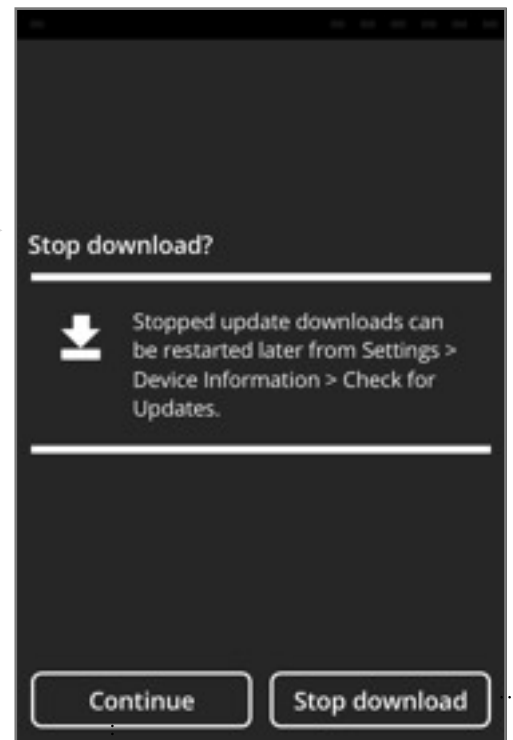
Downloading: System Update
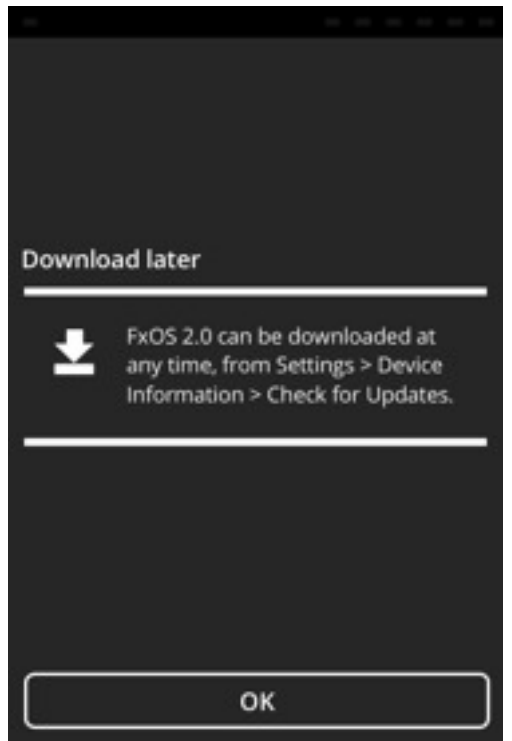
System Update Utility

"Downloading" indicator

System update available

FxOS 10.3
85 MB

What's New in 10.3
- Preliminary native PDF support.
- Support for SPDY networking protocol v3.
- WebGL enhancements, including compressed textures for better performance.
- Optimized memory usage for add-ons.
- JavaScript debugger integrated into developer tools.

More details

Download over WiFi only

Later   Download

Downloading System Update...

Notifications   Clear all

Downloading 4 app updates...   Now

Downloading system update...   2:30 pm

Marlee Gormely   7:11 pm
Thanks for all the apples

Missed call   11:28 am
Cristina

John Adams   10:07 am
Want to grab dinner?

R$23,45
Today, 15:22   1.2 GB
Limit passed   Used

"Stop Download?" prompt

Stop download?

Stopped update downloads can be restarted later from Settings > Device Information > Check for Updates.
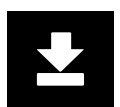
Continue   Stop download

User presses "Later":

- System Update Utility closes and user is returned to previous screen.

- Prompt appears: "Download later", with tip on how to start update at later time.

Download later

FxOS 2.0 can be downloaded at any time, from Settings > Device Information > Check for Updates.

OK

User presses "Download":

- System Update Utility closes and user is returned to previous screen.

- Banner appears: "Downloading system update..."

- Status bar indicator appears whenever a download is active.

Notification Center progress bar.

- Download progress is displayed inside Notification Center.

- **Icon**: downloading icon
  Title: "Downloading system update"
  Body: progress bar

- On press, open "Stop download?" prompt.

Continue:

- Prompt closes

- Download continues.

Stop download:

- Prompt closes.

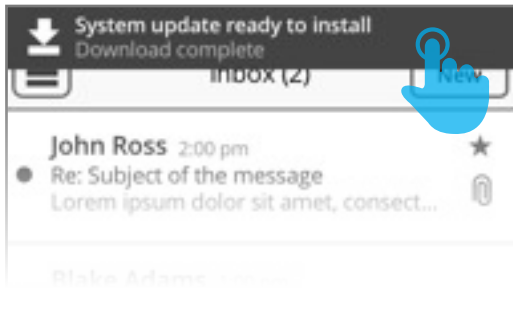- Progress bar is removed from the Notification Center.

- Download stops.

Install: System Update

Is Home app in the foreground?
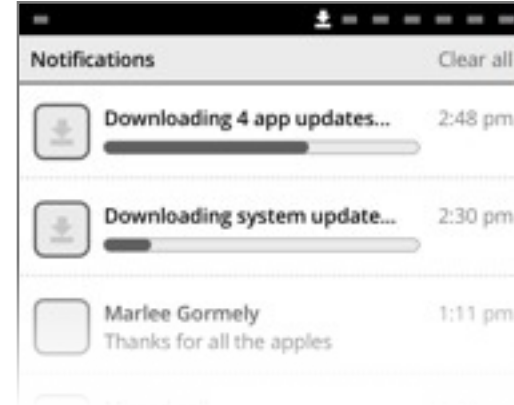
Yes

No

Open **System Update Utility**
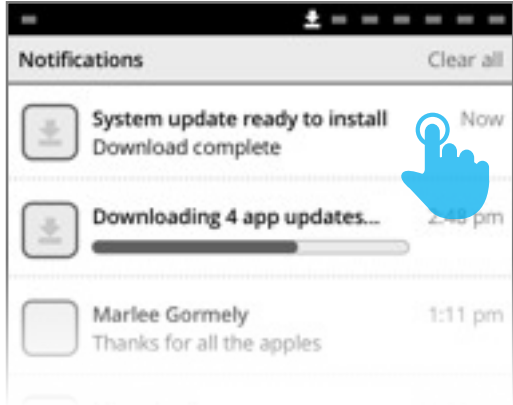
Open **Prompt:** "System update ready to install"

System update ready to install
Download complete

Inbox (2)

John Ross 2:00 pm
Re: Subject of the message
Lorem ipsum dolor sit amet, consect...

Blake Adams

System update ready

FxOS 10.3
Downloaded and ready to install

- Make sure the battery is fully charged or connect to a charger.
- Installation takes several minutes, during which device functionality is disabled, including phone calls.
- Upon completion, the device will restart.

What's New in 10.3

- Preliminary native PDF support.
- Support for SPDY networking protocol v3.
- WebGL enhancements, including compressed textures for better performance.
- Optimized memory usage for add-ons.
- JavaScript debugger integrated into developer

| Later | Install Now |

On device unlock:
If user has not initiated install flow by next time device is unlocked, then present "System update ready" at Home screen after they unlock.

Update Notification Center progress bar:

Notifications   Clear all

Downloading 4 app updates...   2:48 pm

Downloading system update...   2:30 pm

Marlee Gormely   1:11 pm
Thanks for all the apples

Notifications   Clear all

System update ready to install   Now
Download complete

Downloading 4 app updates...   2:48 pm

Marlee Gormely   1:11 pm
Thanks for all the apples

Before

After

Defer installation and close Utility. User will be reminded at next scheduled update check.

TEMP

Connect to charger

Battery is low. Device must be connected to a power source before update can be installed.

Cancel

Install later

FxOS 2.0 can be installed at any time, from Settings > Device Information > Check for Updates.

OK

Need to add details on flow after user presses "Install" on System Update.

Need to add details on difference between Full System and Gaia+Gecko