RetroArch

Kiosk Mode in XMB

Implementation details and plan

2017-09-21

Version 4

Table of Contents

Work Packages

[1] Show/hide Load Core item in Main Menu tab

Description
Option for showing/hiding the Load Core item in the Main Menu tab.

retroarch.cfg settings
- `[NEW] menu_show_load_core = ["true"/"false"]`

XMB menu layout
```
Settings -> User Interface -> Views -> Show Load Core [On/Off]
```

Item description shown in menu
"Show/hide the ability to load a core from the main menu."

[2] Show/hide Load Content item in Main Menu tab

Description
Option for showing/hiding the Load Content item in the Main Menu tab.

retroarch.cfg settings
- `[NEW] menu_show_load_content = ["true"/"false"]`

XMB menu layout
```
Settings -> User Interface -> Views -> Show Load Content [On/Off]
```

Item description shown in menu
"Show/hide the ability to load content from the main menu."

[3] Show/hide Information item in Main Menu tab

Description
Option for showing/hiding the Information item in the Main Menu tab.

retroarch.cfg settings
- `[NEW] menu_show_information = ["true"/"false"]`

XMB menu layout
```
Settings -> User Interface -> Views -> Show Information [On/Off]
```

Item description shown in menu
"Show/hide the ability to show system information from the main menu."

[4] Show/hide Configurations item in Main Menu tab

Description
Option for showing/hiding the Configurations item in the Main Menu tab.

retroarch.cfg settings
- [NEW] `menu_show_configurations = ["true"/"false"]`

XMB menu layout
`Settings -> User Interface -> Views -> Show Configurations [On/Off]`

Item description shown in menu
"Show/hide the ability to save/load configurations from the main menu."

[5] Playlist entry renaming

Description
Option for controlling the ability to rename a playlist entry.

retroarch.cfg settings
- [NEW] `playlist_entry_rename = ["true"/"false"]`

XMB menu layout
`Settings -> Playlists -> Allow to rename entries [On/Off]`

Item description shown in menu
"Allow the user to rename entries in collections."

[6] Show playlist entry menu

Description
Option for launching a playlist item without first showing the "run menu", i.e. the menu where the user can choose Run/Rename/Remove/Information. Also, when closing content with the "run menu" disabled, RetroArch returns directly to the playlist.

The motivation for this setting is purely to streamline the user interface for those that never use this menu for anything else than selecting "Run" (which I'm guessing is the majority of users).

retroarch.cfg settings
- [NEW] `playlist_entry_show_menu = ["true"/"false"]`

XMB menu layout
`Settings -> Playlists -> Show playlist entry menu [On/Off]`

Item description shown in menu
"Show/hide the menu that is shown after selecting a playlist entry."

[7] Show/hide Settings tab

Description

Add possibility of restoring Settings tab visibility from the GUI. The "Show Settings Tab" option will work the same as before, i.e. hiding the Settings tab using just this option will hide the tab with no option in the GUI for enabling it again. However, when also using the new option to set a password for enabling the Settings tab, it will be possible to restore the Settings tab from the GUI by going to the Main Menu, choosing "Enable Settings Tab" and entering the password.

retroarch.cfg settings

- `xmb_show_settings = ["true"/"false"]`
- `[NEW] xmb_show_settings_password = ""`

XMB menu layout

```
Settings -> User Interface -> Views -> Show Settings Tab

Settings -> User Interface -> Views -> Set Password For Enabling Settings
Tab

Main Menu -> Enable Settings Tab
```

Item description shown in menu for "Set Password For Enabling Settings Tab" option

"When hiding the settings tab, an optional password may be provided. Supplying a password makes it possible to later restore the settings tab from the menu, by going to the Main Menu tab, selecting Enable Settings Tab and entering the password. If no password is provided, the settings tab can only be restored by manually editing the configuration."

[8] Enable/disable Kiosk Mode

Description

Add a Kiosk Mode setting that disables/hides all configuration related items throughout RetroArch. If kiosk mode is enabled without also using the password option, manual editing of retroarch.cfg will be required to disable kiosk mode. When also using the option to set a password for disabling kiosk mode, it will be possible to disable kiosk mode from the GUI by going to the Main Menu, choosing "Disable Kiosk Mode" and entering the password.

retroarch.cfg settings

- `[NEW] kiosk_mode = ["true"/"false"]`
- `[NEW] kiosk_mode_password = ""`

XMB menu layout

```
Settings -> User Interface -> Enable Kiosk Mode

Settings -> User Interface -> Set Password For Disabling Kiosk Mode

Main Menu -> Disable Kiosk Mode
```

Item description shown in menu for "Enable Kiosk Mode" option

"Protects the setup by hiding all configuration related settings."

Item description shown in menu for "Set Password For Disabling Kiosk Mode" option

"When enabling kiosk mode, an optional password may be provided. Supplying a password makes it possible to later disable kiosk mode from the menu, by going to the Main Menu tab, selecting Disable Kiosk Mode and entering the password. If no password is provided, kiosk mode can only be disabled by manually editing the configuration."

Implementation details

When Kiosk Mode is enabled, it makes RetroArch act as if the following settings are in effect:

- `xmb_show_settings = "false"`
- `xmb_show_add = "false"`
- `menu_show_online_updater = "false"`
- `[NEW] menu_show_configurations = "false"`
- `playlist_entry_remove = "false"`
- `[NEW] playlist_entry_rename = "false"`
- Quick Menu related:
    - `[NEW] quick_menu_show_options = "false"`
    - `[NEW] quick_menu_show_controls = "false"`
    - `[NEW] quick_menu_show_shaders = "false"`
    - `[NEW] quick_menu_show_save_core_overrides = "false"`
    - `[NEW] quick_menu_show_save_game_overrides = "false"`

[9] Allow backing out of Quick Menu to Main Menu

Description

When content is running and the Quick Menu is entered, it's possible to press the back button to go back to the main menu while the content is still running. This setting would be used to disable this action.

The motivation for this setting is to improve usability. For new and less tech-savvy users it might not be obvious what happens and how to get back to the game. Also, going from the Quick Menu to the main menu with content running is mainly used when setting things up, i.e. changing settings for specific cores/content and saving overrides. Once this has been done, leaving the Quick Menu for the main menu is generally not necessary.

retroarch.cfg settings

- `[NEW] quick_menu_allow_back_action = ["true"/"false"]`

XMB menu layout

`Settings -> User Interface -> Quick Menu -> Allow Back Action [On/Off]`

Item description shown in menu

"Enables/disables the ability to press the back button to go from the Quick Menu to the Main Menu while content is running."

[10] Quick Menu: Show/hide Take Screenshot

Description
Option for showing/hiding the Take Screenshot item in the Quick Menu.

retroarch.cfg settings
- [NEW] `quick_menu_show_take_screenshot = [`**`"true"`**`/"false"]`

XMB menu layout
`Settings -> User Interface -> Quick Menu -> Show Take Screenshot [On/Off]`

Item description shown in menu
"Show the Take Screenshot menu item in the Quick Menu."

[11] Quick Menu: Show/hide save/load state controls

Description
Option for showing/hiding the save/load state control items in the Quick Menu.

retroarch.cfg settings
- [NEW] `quick_menu_show_save_load_state_controls = [`**`"true"`**`/"false"]`

XMB menu layout
`Settings -> User Interface -> Quick Menu -> Show Save/Load State [On/Off]`

Item description shown in menu
"Show the save/load state related menu items in the Quick Menu."

[12] Quick Menu: Show/hide Add to Favorites

Description
Option for showing/hiding the Add to Favorites item in the Quick Menu.

retroarch.cfg settings
- [NEW] `quick_menu_show_add_to_favorites = [`**`"true"`**`/"false"]`

XMB menu layout
`Settings -> User Interface -> Quick Menu -> Show Add to Favorites [On/Off]`

Item description shown in menu
"Show the Add to Favorites menu item in the Quick Menu."

[13] Quick Menu: Show/hide Options

Description
Option for showing/hiding the Options item in the Quick Menu.

retroarch.cfg settings

- [NEW] quick_menu_show_options = [**"true"**/"false"]

XMB menu layout

Settings -> User Interface -> Quick Menu -> Show Options [On/Off]

Item description shown in menu

"Show the Options menu item in the Quick Menu."

[14] Quick Menu: Show/hide Controls

Description

Option for showing/hiding the Controls item in the Quick Menu.

retroarch.cfg settings

- [NEW] quick_menu_show_controls = [**"true"**/"false"]

XMB menu layout

Settings -> User Interface -> Quick Menu -> Show Controls [On/Off]

Item description shown in menu

"Show the Controls menu item in the Quick Menu."

[15] Quick Menu: Show/hide Cheats

Description

Option for showing/hiding the Cheats item in the Quick Menu.

retroarch.cfg settings

- [NEW] quick_menu_show_cheats = [**"true"**/"false"]

XMB menu layout

Settings -> User Interface -> Quick Menu -> Show Cheats [On/Off]

Item description shown in menu

"Show the Cheats menu item in the Quick Menu."

[16] Quick Menu: Show/hide Shaders

Description

Option for showing/hiding the Shaders item in the Quick Menu.

retroarch.cfg settings

- [NEW] quick_menu_show_shaders = [**"true"**/"false"]

XMB menu layout

Settings -> User Interface -> Quick Menu -> Show Shaders [On/Off]

[17] Quick Menu: Show/hide Save Core Overrides

Description

Option for showing/hiding the Save Core Overrides item in the Quick Menu.

retroarch.cfg settings

- [NEW] `quick_menu_show_save_core_overrides = [`**`"true"`**`/"false"]`

XMB menu layout

```
Settings -> User Interface -> Quick Menu -> Show Save Core Overrides
[On/Off]
```

Item description shown in menu

"Show the Save Core Overrides menu item in the Quick Menu."

[18] Quick Menu: Show/hide Save Game Overrides

Description

Option for showing/hiding the Save Game Overrides item in the Quick Menu.

retroarch.cfg settings

- [NEW] `quick_menu_show_save_game_overrides = [`**`"true"`**`/"false"]`

XMB menu layout

```
Settings -> User Interface -> Quick Menu -> Show Save Game Overrides
[On/Off]
```

Item description shown in menu

"Show the Save Game Overrides menu item in the Quick Menu."

[19] Quick Menu: Show/hide Information

Description

Option for showing/hiding the Information item in the Quick Menu.

retroarch.cfg settings

- [NEW] `quick_menu_show_information = [`**`"true"`**`/"false"]`

XMB menu layout

```
Settings -> User Interface -> Quick Menu -> Show Information [On/Off]
```

Item description shown in menu

"Show the Information menu item in the Quick Menu."

Implementation Order

Below is the suggested implementation order. Each stage is planned as a separate pull request.

Stage 1

- [7] Show/hide Settings tab

Stage 2

- [6] Show playlist entry menu

Stage 3

- [9] Allow backing out of Quick Menu to Main Menu

Stage 4

- [5] Playlist entry renaming

Stage 5

- [1] Show/hide Load Core item in Main Menu tab
- [2] Show/hide Load Content item in Main Menu tab
- [3] Show/hide Information item in Main Menu tab
- [4] Show/hide Configurations item in Main Menu tab

Stage 6

- [10] Quick Menu: Show/hide Take Screenshot
- [11] Quick Menu: Show/hide save/load state controls
- [12] Quick Menu: Show/hide Add to Favorites
- [13] Quick Menu: Show/hide Options
- [14] Quick Menu: Show/hide Controls
- [15] Quick Menu: Show/hide Cheats
- [16] Quick Menu: Show/hide Shaders
- [17] Quick Menu: Show/hide Save Core Overrides
- [18] Quick Menu: Show/hide Save Game Overrides
- [19] Quick Menu: Show/hide Information

Stage 7

- [8] Enable/disable Kiosk Mode