Project Sylvanas Documentation Game Object - Functions Overview Scripting Reference > Documentation > Dev Docs > Libraries > PvP UI Module Library Game Object - Code Examples Including the Module PvP UI Module Library Buffs Functions push_button(button_id: string, title: Spell Book string, spell_ids:table<number>, Overview Spell Book - Raw Functions logic_function:fun) -> nil Spell helper get_button_info(button_id: string) -> table The PvP UI Module provides the required functions for you to implement your own PvP-UI own panel. Read (pvp ui Graphics module - user) todo add link -- before continuing with this guide, so you know what this module is about. get_current_buttons_info() -> table Graphics - Functions is_logic_attempting_only_once() -> boolean Graphics - Notifications get_timeout_time() -> number Menu Elements .launch_checkbox -> checkbox Including the Module Input Complete Example Geometry As with all other LUA modules developed by us, you will need to import the PVP Helper module into your project. To do Control Panel so, you can use the following lines: Vectors Vector 2 1 ---@type ui_buttons_info Vector 3 2 local ui_buttons_info = require("common/utility/ui_buttons_info") Libraries Spell Prediction **A** WARNING Combat Forecast Library To access the module's functions, you **must** use 📜 instead of 📜 . This is the only module where 📜 is not required. Health Prediction Library Unit Helper Library Target Selector PvP Helper Library Functions PvP UI Module Library Inventory Helper (i) NOTE Dungeons Helper Almost everything is handled automatically, so there is just one function that you must call under any Custom UI circumstance. This is the push_button function. All the other functions are just regarding available customizations Custom UI Functions 🛭 for the user, that are centralized within the plugin and can be modified by the user directly on the window that Barney's Basic Guide (With spawns. You should take into consideration these settings that the user might modify for your logic so your plugin is coherent. **A** WARNING The function that you are going to pass to the GUI module MUST return TRUE at some point. When your logic function returns true, the logic is removed from the queue. Otherwise, the button will be permanently stuck on the "On Queue" state. Check the code example and the rest of documentation so you can fully understand how this works. Just keep this information in mind for when you read the "push_button" function definition, just below. push_button(button_id: string, title: string, spell_ids:table<number>, logic_function:fun) -> nil Parameters explanation: 1. button_id: This is the unique identifier for the button. 2. title: This is the name that will appear in the button. For example, if you want to use scatter and trap, a desirable name would be Scatter-Trap, for example. (i) NOTE Avoid long title names, as the buttons should be as small as possible so the PvP UI Window occupies as little space as possible on the screen. 3. spell_ids: These are the ids of the spells that you want to check the CD of. For example, if you want the button to be disabled when Scatter and Trap are on cooldown, you need to pass {scatter_id, trap_id} to this function. This is independent of the logic function, so you can just pass here Trap cooldown and then also cast Scatter. 4. function: This is the logic that will be run when the user presses the button from the UI. **A** WARNING This function must be called just once, on script load. Do not place it inside any callback. get_button_info(button_id: string) -> table Return value explanation: This function returns a table containing all available data for the button with the specifed ID. This table has the following members: .button_id -> The id of the button. .title -> The title of the button. .spell_ids -> The table containing the IDs that are used to check the remaining time of the logic. .is_pressed -> If the button is pressed now .is_enabled -> If the button is enabled (when disabled, it won't be shown in the UI) .last_trigger_time -> Last time that the button was pressed. .is_attempting_to_run_logic -> If the logic is trying to be run right now (the logic is on queue). .arena_frame_pressed_to -> The index of the button that was pressed. This is used internally to handle the target. .logic -> The logic_function itself. get_current_buttons_info() -> table Returns the table containing all the available UI buttons information. (See the previous function to see what elements does a UI button table contain) is_logic_attempting_only_once() -> boolean Returns the configuration that the user set for the Logic Cast Mode, found within the GUI customization window. If true, the logic should be also attempted to be run once. Otherwise, you can apply your custom logics or behaviour. You should always set a maximum timer to reset the button state (return true from its function). get_timeout_time() -> number Returns the timeout time that the user set. .launch_checkbox -> checkbox **A** WARNING This is the checkbox that you must render within your plugin's menu, so the user is able to launch the PvP GUI Window. If you don't render this button, the user won't be able to re-launch the window after they close it, or it will never be shown to begin with. Complete Example This is the logic that we are currently using for our Beast Mastery Hunter plugin. We made sure to explain everything in the comments, so you have an easier time understanding everything. In the pvp_ui_implementation.lua file we have the following code: 1 ---@type spell_queue 2 local spell_queue = require("common/modules/spell_queue") 4 ---@type pvp_helper 5 local pvp_helper = require("common/utility/pvp_helper") 7 ---@type spell_helper 8 local spell_helper = require("common/utility/spell_helper") 10 -- used spells ids 11 local inti_id = 19577 12 local trap_id = 187650 13 local scatter_id = 213691 15 ---@type ui_buttons_info 16 local ui_buttons_info = require("common/utility/ui_buttons_info") 18 -- return true means remove logic from queue - it was casted already / aborted 19 local function scatter_trap_logic(local_player, target, trigger_time) -- target is immune to stun right now, so wait for them to stop being immune if pvp_helper:is_cc_immune(target, pvp_helper.cc_flags.STUN, 1000.0) then return false end -- check if we have pet local pet = local_player:get_pet() local is_there_pet = pet and not pet:is_dead() local is_trying_only_once = ui_buttons_info:is_logic_attempting_only_once() -- get the timeout time from the ui itself, since this can be modified by the user there local timeout_time = ui_buttons_info:get_timeout_time() local current_time = core.time() local attempting_time = current_time - trigger_time -- check if the spell has been in queue for longer than the value the user set. if attempting_time > timeout_time then return true end local tried_to_cast = false -- check if target is cced with at least 1 second of remaining cc time local is_target_cced_already, cc_flag, remaining = pvp_helper:is_crowd_controlled(target, pvp_helper.cc_fla if is_target_cced_already then -- trap is the most important spell, the other ones are just complementary to this one so they are stuc -- therefore, if the target is cc'ed we can just cast the trap, we don't care about stun. if remaining < 2500 and spell_helper:is_spell_castable(trap_id, local_player, target, true, false) then spell_queue:queue_spell_position(trap_id, target:get_position(), 8, "Hunter MM - UI - Trap") -- set tried_to_cast flag to true, so if the user sets the behaviour to attempt only once we -- can already return true and remove this logic from the queue tried_to_cast = true 54 end -- if the spell is on cooldown (> 2.0 to make sure global cooldown is not interfering) then our purppos -- from the queue, as we casted it already. return core.spell_book.get_spell_cooldown(trap_id) > 2.0 else -- target was not cc'ed, which means that we have to cc him. -- First prio is pet stun since it doesn't share DR with trap. 62 -- check if our pet is impaired local pet_cced = false if is_there_pet then pet_cced, cc_flag, remaining = pvp_helper:is_crowd_controlled(pet, pvp_helper.cc_flags.ANY_BUT_SLOW end 68 -- if we can cast intimidation (pet not cc'ed, spell castable) then we cast it if spell_helper:is_spell_castable(inti_id, local_player, target, false, false) and not pet_cced then spell_queue:queue_spell_target(inti_id, target, 8, "Hunter MM - UI - Inti") else -- otherwise, ONLY if intimidation is on CD, we try to cast scatter. Otherwise we just wait for the -- to be able to cast the spell to the target. if core.spell_book.get_spell_cooldown(inti_id) > 2.0 then if spell_helper:is_spell_castable(scatter_id, local_player, target, false, false) then spell_queue:queue_spell_target(scatter_id, target, 8, "Hunter MM - UI - Inti (Scatter Backu end end end end 83 -- we already tried to cast, if the user set the behaviour to cast only once then this function fullfilled 84 -- remove it from the queue. if tried_to_cast then tried_to_cast = is_trying_only_once end -- we always remove this spell from queue if trap is on cd (was casted) or already attempted to cast and us return core.spell_book.get_spell_cooldown(trap_id) > 2.0 or tried_to_cast 91 end 93 -- call this in the main, ONLY ONCE. Do not place it inside any callback. 94 local function set_pvp_ui_buttons() 95 -- PARAMETERS explanation: 96 -- 1 -> remember to always use an unique identifier for each button. 97 -- 2 -> remember to use a short title (as short as possible, but the user shuld still be able to understand 98 -- 3 -> the ids of the spells that will be taken into account for tue GUI for the cooldown. In this case, o 99 -- to be disabled. The GUI won't care about intimidation or scatter shot. 100 -- 4 -> the logic itself. Remember it MUST return TRUE for the logic to be removed from queue. If your func 101 -- circumstance, the button will be stuck forever in the "On Queue" state after being pressed. ui_buttons_info:push_button("hunter_mm_scatter_trap", "Stun-Trap", {trap_id}, scatter_trap_logic) 103 end 104 105 local function hide_time_slider() 106 -- if you want to use a custom timeout slider and don't want to let the user modify this value, hide the sl 107 -- GUI customization window. (set the parameter to TRUE instead of FALSE). ui_buttons_info:set_no_render_timeout_time_slider_flag(false) 109 end 110 111 -- export these functions (and the launch button) to our main file, where we will call them 112 return 113 { set_pvp_ui_buttons = set_pvp_ui_buttons, launch_pvp_ui_button = buttons.launch_checkbox, hide_time_slider = hide_time_slider, 117 } 118 Then, for the main file we just have: 2 -- (this is NOT inside any callback) 3 local pvp_ui = require("pvp_ui_logics") 5 ui_buttons_info:set_pvp_ui_buttons() 6 ui_buttons_info:hide_time_slider() 9 --- (this IS inside the on_render_menu callback) 10 local on_render_menu() pvp_ui.launch_pvp_ui_button:render("Enable PvP UI Window") 14 end This is the behaviour expected for the code above: PALADIN HEALER Stun-Trap 3.2 s CYCLONE (4 0:06 / 0:09 Previous Next « PvP Helper Library Inventory Helper » More Docs Explore Home 🛂 Discord **♂** Documentation Roadmap 🛂

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