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-- sendsms.lua  
-- by Stewart Bracken http://stewart.bracken.bz stew.bracken@gmail.com  
-- Send text message with rest api.  
-- Lots of code leveraged from WidgetDemo.  
-- Known critical bug: text labels and buttons are recreated on every scene  
-- enter but never destroyed, adding up a lot of widgets and whatnot.  
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local widget = require( "widget" )  
local storyboard = require( "storyboard" )  
local scene = storyboard.newScene()  
local Util = require("Twilio.Util")  
  
-- create a constant for the left spacing of the row content  
local LEFT_PADDING = 10  
local textMode = false  
  
local toTextField = nil  
local fromTextField = nil  
local bodyTextField = nil  
  
local tHeight = 30  
local tLeft = 80  
local tWidth = 200  
local tTop = 80  
  
local function createTextFields(self)  
    local function fieldHandler( event )  
        if ( "began" == event.phase ) then  
            -- This is the "keyboard has appeared" event  
            -- In some cases you may want to adjust the interface when the keyboard  
            -- appears.  
  
            -- Show Dismiss Keyboard button if in portrait mode  
            if isPortrait then  
                clrKbButton.isVisible = true  
            end  
  
            textMode = true  
  
        elseif ( "ended" == event.phase ) then  
            -- This event is called when the user stops editing a field: for  
            -- example, when they touch a different field
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elseif ( "submitted" == event.phase ) then
    -- This event occurs when the user presses the "return" key (if
    available) on the onscreen keyboard

    -- Hide keyboard
    native.setKeyboardFocus( nil )
    textMode = false
    clrKbButton.isVisible = false      -- Hide the Dismiss KB button
end
end

toTextField = native.newTextField(tLeft,tTop,tWidth, tHeight)
toTextField.inputType = "number"
toTextField.text = CALLER_TO
toTextField:addEventListener("userInput",fieldHandler)
self.view:insert(toTextField)

fromTextField = native.newTextField(tLeft,tTop+tHeight+10,tWidth, tHeight)
fromTextField.inputType = "number"
fromTextField.text = CALLER_FROM
fromTextField:addEventListener("userInput",fieldHandler)
self.view:insert( fromTextField )

bodyTextField = native.newTextField(tLeft,tTop+(tHeight+10)*2,tWidth, tHeight*2)
--bodyTextField.inputType = "number"
bodyTextField.text = "Your message goes here"
bodyTextField:addEventListener("userInput",fieldHandler)
self.view:insert( bodyTextField )
end

function scene:enterScene(e)
    if fromTextField == nil then
        createTextFields(self)
    end
end

function scene:exitScene(e)
    fromTextField:removeSelf()
    toTextField:removeSelf()
    bodyTextField:removeSelf()
    fromTextField=nil
    toTextField=nil
    bodyTextField=nil
end
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function scene:createScene( event )

    local group = self.view

    -- Display a background
    local background = display.newImage( "assets/background.png", true )
    group:insert( background )

    -- Status text box
    local statusBox = display.newRect( 70, 290, 210, 120 )
    statusBox:setFillColor( 0, 0, 0 )
    statusBox.alpha = 0.4
    group:insert( statusBox )

    -- Status text
    local statusText = display.newText( "Enter Twilio validated numbers to begin",
80, 300, 200, 0, native.systemFont, 20 )
    statusText.x = statusBox.x
    statusText.y = statusBox.y - ( statusBox.contentHeight * 0.5 ) + (
statusText.contentHeight * 0.5 )
    group:insert( statusText )

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    -- widget.newSpinner()
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    local spinner = widget.newSpinner
    {
        left = 274,
        top = 55,
    }
    group:insert( spinner )

    -- Start the spinner animating
    --spinner:start()
    spinner.isVisible = false

    createTextFields(self)

    local toTextFieldLabel = display.newText( "To:", LEFT_PADDING, 80,
native.systemFont, 16 )
    toTextFieldLabel:setTextColor( 0 )
    group:insert( toTextFieldLabel )

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local fromTextFieldLabel = display.newText( "From:", LEFT_PADDING,
tTop+tHeight+10, native.systemFont, 16 )
fromTextFieldLabel:setTextColor( 0 )
group:insert( fromTextFieldLabel )

local smsTextFieldLabel = display.newText( "Message:", LEFT_PADDING,
tTop+(tHeight+10)*2, native.systemFont, 16 )
smsTextFieldLabel:setTextColor( 0 )
group:insert( smsTextFieldLabel )

local function sendSMS( event )
    spinner:start()
    spinner.isVisible = true
    statusText.text = "Sending sms..."

    local function request_listener(e)
        spinner:stop()
        spinner.isVisible=false
        if e.success then
            statusText.text = "SMS success!"
        else
            status.text = e.message
        end
        print(Util.to_string(e.response))
    end

    --Send a message
    local vars = {Type="Messages", From=fromTextField.text, To =
toTextField.text, Body=bodyTextField.text}
    R:request(vars,"POST", request_listener)
end

local sendButton = widget.newButton
{
    left = tLeft,
    top = tTop+(tHeight+10)*4,
    width = tWidth,
    height = tHeight,
    id = "sendButton",
    label = "Send SMS",
    onRelease = sendSMS,
}
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group:insert( sendButton )

end

scene:addEventListener( "createScene" )
scene:addEventListener( "enterScene" )
scene:addEventListener( "exitScene" )

return scene
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