



About

Bacione Javascript Editor is an Integrated Development Environment (IDE) for programming small javascript games on a phone. Several games are included.

License: GPL

Github: github.com/bacionejs

Tested on: Android 13, Chrome 121, tablet and phone

Download

The editor is one file including the games.

Download [bacione.html](#), open your file manager, click bacione.html to run in your Chrome browser, click Run to play the Ski game.

Links

[Games.pdf](#)

[YouTube](#)

[Reddit](#)

[Github](#)

Rationale

This phone editor was created because many people don't have a computer and other phone editors lack some important features.

Bacione means big KISS, as in Keep It Satisfyingly Simple.

Features

Less clicks compared to other phone editors.

Common keys are one click.

Context aware logic reduces clicks.

Less work to refactor your code.

Fully programmable keyboard.

Create your own keyboard icons and functions.

Designed for phones and tablets.

No setup required.

One file.

Easy to share.

Offline.

Plain vanilla javascript.

No dependencies.

Free (GPL license).

No ads.

Run from android file manager in chrome browser.

Easy to modify editor.

Edit the editor in the editor.

Editor is only 7 kilobytes (zipped).

Supports swipe and longpress-repeat.

Hello World

At the top of the editor, create this code and click Run:

```
function helloworld(){  
  L.canvas(W/2).icon(127759,W/2,W/2);  
}
```

Run

Runs the game which contains the cursor.

Also stops the game.

Save/Diff

Saves to a timestamped file.

The file contains your games AND the Editor.

Swipeup shows changes you have made.

Zoom/Fullscreen

Toggles font size.

Swipeup toggles fullscreen.

Complete

Completes a word.

Looks for match in current game and then elsewhere.

Comment

Toggles comments for the current line.

Also puts the line in Paste.

Copy

Selects text or extends selection and puts it in Paste.

Selection looks at the character to the right and then selects:

```
newline: line  
word: left,right  
spaces: right  
blank line: next blank line  
blocks: (){}[]""
```

Paste

Pastes

Backspace

Deletes character or selection.

Arrows

Moves cursor or extends selection.

Enter

Inserts a new line or cancels selection.

Undo/Redo

Restore up to 50 changes.

Rename

Find/Replace

Swipeup

Swipeup on alphanumeric keys is like shift.

Longpress

Repeats key

Errors

Runtime errors display an error message and automatically jumps to the error in code.

Misc/Themes

Color-Picker and Icon-Picker put a code in Paste.

Edit-the-Editor enables changes to the editor source code, such as colors, new buttons, etc.

Swipeup toggles themes: light, dark, gray, retro

Global Variables and Aliases

FPS=(frames per second)

W=innerWidth;

floor=Math.floor;

Overridden

Array sort: compares numbers instead of strings.

Variable tracking

L.debug(string,canvas)

Random number

number=L.rnd(max,min)

Random biased sets

set=L.RandomArray(quantity,range)

set.next()

Sound

sound=L.Sound()

sound.rocket()

Canvas

canvas=L.canvas(fontsize,iconstart)

canvas.icon(emoji,x,y)

canvas.clear()

canvas.black()

canvas.white()

Color gradient

canvas.fillStyle=L.gradient(canvas,bottom,height,[[stop,color],...])

Shapes

canvas.fill(L.shape([[x,y,...],...],scale))

Pixel to Vector

canvas.fill(L.shape(L.vertices(pixels)))

Game Controls

Ski - Click anywhere.

Pairs - Click in squares.

Smash - Click the pumpkin.

Monkeymaze - Click quadrants.

Snake - Click vertical half if snake is horizontal, etc.

Chess - Click piece and destination. Longpress to change piece.

Marslander - Click on right or left side. To disable sound, comment `snd.rocket()`.

Buttons

▶ Run

⌵ Save

Ⓐ Zoom

🔍 Rename

◇ Misc

📖 Help

↵ Enter

⌫ Backspace

↶ Redo

↶ Undo

📋 Paste

📋 Copy

→ Right

← Left

// Comment

⇒ Complete

⌵ Capslock