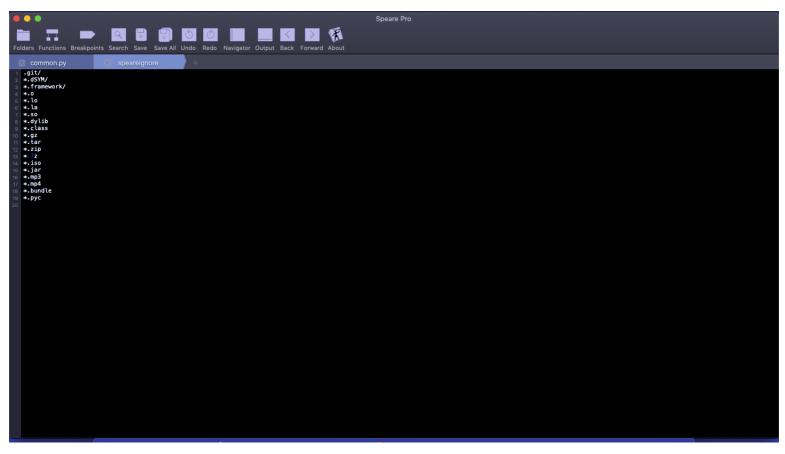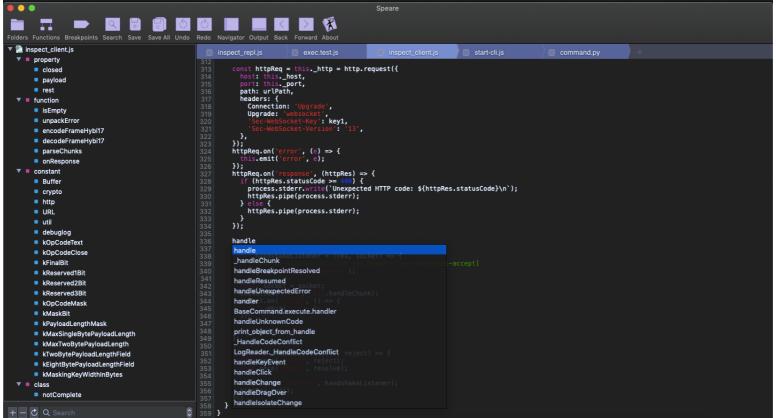# Ultra lightweight code editor and small IDE

Speare code editor http://sevenuc.com/en/Speare.html

1. High performance of managing large amount of files and big files.

2. Fast search and replace in current document, selected folder, opened files and entire project.

3. Smoothly edit multiple files that written in different programming languages simultaneously.

4. Supports almost all common programming languages syntax highlighting and parsing.

5. Auto-completion, sensitively typing with keywords, live parsing symbol definition with priority.

6. Jump to definition and fast locate code lines between editing files by symbol index, bookmark or searching.

7. Unlimited go back and forward, automatically remember jump location and current editing locations.

8. Keeping entire state after quit, the opened files, selection of each file and the cursor location.

9. Customisation of fonts and colours for the text editor.

10. Full featured markdown editor, run Javascript code instantly, well support Web development.

11. Preview all kinds of files, image, pdf, office documents, audio and video etc.

12. Ultra lightweight.

Speare Pro

common.py .speareignore

```
1  .git/
2  *.dSYM/
3  *.framework/
4  *.o
5  *.lo
6  *.la
7  *.so
8  *.dylib
9  *.class
10 *.gz
11 *.tar
12 *.zip
13 *.7z
14 *.iso
15 *.jar
16 *.mp3
17 *.mp4
18 *.bundle
19 *.pyc
20
```

Folders Functions Breakpoints Search Save Save All Undo Redo Navigator Output Back Forward About

Speare

inspect_client.js

inspect_repl.js exec.test.js inspect_client.js start-cli.js command.py

- property
  - closed
  - payload
  - rest
- function
  - isEmpty
  - unpackError
  - encodeFrameHybi17
  - decodeFrameHybi17
  - parseChunks
  - onResponse
- constant
  - Buffer
  - crypto
  - http
  - URL
  - util
  - debuglog
  - kOpCodeText
  - kOpCodeClose
  - kFinalBit
  - kReserved1Bit
  - kReserved2Bit
  - kReserved3Bit
  - kOpCodeMask
  - kMaskBit
  - kPayloadLengthMask
  - kMaxSingleBytePayloadLength
  - kMaxTwoBytePayloadLength
  - kTwoBytePayloadLengthField
  - kEightBytePayloadLengthField
  - kMaskingKeyWidthInBytes
- class
  - notComplete

```
312
313  const httpReq = this._http = http.request({
314    host: this._host,
315    port: this._port,
316    path: urlPath,
317    headers: {
318      Connection: 'Upgrade',
319      Upgrade: 'websocket',
320      'Sec-WebSocket-Key': key1,
321      'Sec-WebSocket-Version': '13',
322    },
323  });
324  httpReq.on('error', (e) => {
325    this.emit('error', e);
326  });
327  httpReq.on('response', (httpRes) => {
328    if (httpRes.statusCode >= 400) {
329      process.stderr.write(`Unexpected HTTP code: ${httpRes.statusCode}\n`);
330      httpRes.pipe(process.stderr);
331    } else {
332      httpRes.pipe(process.stderr);
333    }
334  });
335
336  handle
337    handle
338    _handleChunk
339    handleBreakpointResolved
340    handleResumed
341    handleUnexpectedError
342    handler
343    BaseCommand.execute.handler
344    handleUnknownCode
345    print_object_from_handle
346    _HandleCodeConflict
347    LogReader._HandleCodeConflict
348    handleKeyEvent
349    handleClick
350    handleChange
351    handleDragOver
352    handleIsolateChange
353
360 }
```

Concise user interface.

Really Light Fly! Only 6.3MB.

Efficient code navigation and call routines tracing.

Debugging environment for C, C++, Ruby, mruby, Lua, Python, PHP, Perl and Tcl.

Programming Language Extension Protocol for IDE

Very flexible and easily to add a new programming language parser, syntax highlighting, code formatter and debugger in Speare code editor.

http://sevenuc.com/download/language_extension_protocol.pdf

Language Parser

```bash
#!/bin/bash
# full path of the language parser path = /usr/local/xxx/
bin/xxparser $path $1
```

Code Formatter

```bash
#!/bin/bash
# full path of the code formatter path = /usr/local/
xxx/bin/xxfmt $path $1 $2
```

AMPL ASM ASP AWK Ada ActionScript Active4D AnsiblePlaybook Ant Apache Applescript Asciidoc AutoIt Autoconf Automake Basic Batch Beta Bibtex C C# C++ CMake CPrePro CSS Scss CUDA Clojure Cobol CoffeeScript ColdFusion Csound Ctags D Dart DTS DbusIntrospect Diff DosBatch PowerShell Dtd Dylan Eiffel Elixir Elm Erlang eZ Publish F-Script Falcon Flex Forth Fortran FreeFem++ Fypp GEDCOM Gdbinit Glade Go Gradle GraphViz Groovy Haskell HTML Haxe Header IDL ITcl Iniconf Inko JSP Java JavaFX JavaProperties JavaScript Json Julia Kotlin Kuin LSL LaTeX LdScript Lilypond Lisp Logtalk Lua M4 MEL Makefile Man Markdown MATLAB Maven2 MetaPost Metaslang Moose MySQL Myrddin NASL NEURON Nemerle Objective-C Octave Ocaml Ox PDF PHP Parrot Pascal Passwd Perl Perl6 Pig Plist Pod PostScript Prolog Processing Protobuf Puppet PuppetManifest Python PythonLoggingConfig QemuHX QtMoc R R/S-PLUS RHTML RSpec RelaxNG Rexx Robot Racket RpmSpec Rst Ruby mruby Rust SGML SML SQL Scala Scheme Sedona Shell Slang Smalltalk Snippets Stata SuperCollider SVG Swift SystemTap SystemdUnit TTCN Tcl Tcl/Tk Tex TorqueScript TypeScript Udo VB VB.NET VHDL Vera Verilog SystemVerilog WSDL WindRes XML XSD Xquery Xslt Yacc YAML YumRepo Zephir