## Referências

Jasmine: <https://semaphoreci.com/community/tutorials/getting-started-with-node-js-and-jasmine>

## Criação do servidor

C:\Users\marce>**cd C:\Users\marce\Documents\GitHub\karaoke\server**

C:\Users\marce\Documents\GitHub\karaoke\server>**npm init**

This utility will walk you through creating a package.json file.

It only covers the most common items, and tries to guess sensible defaults.

See `npm help json` for definitive documentation on these fields

and exactly what they do.

Use `npm install <pkg> --save` afterwards to install a package and

save it as a dependency in the package.json file.

Press ^C at any time to quit.

name: (server) **karaokeserver**

version: (1.0.0)

description: **Servidor de Karaoke**

entry point: (index.js)

test command:

git repository: **https://github.com/Marcelo-Rodrigues/karaoke.git**

keywords: karaoke

author: **Marcelo Rodrigues <marcelo\_rod\_@hotmail.com>**

license: (ISC) **MIT**

About to write to C:\Users\marce\Documents\GitHub\karaoke\server\package.json:

{

"name": "karaokeserver",

"version": "1.0.0",

"description": "Servidor de Karaoke",

"main": "index.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1"

},

"repository": {

"type": "git",

"url": "git+https://github.com/Marcelo-Rodrigues/karaoke.git"

},

"keywords": [

"karaoke"

],

"author": "Marcelo Rodrigues <marcelo\_rod\_@hotmail.com>",

"license": "MIT",

"bugs": {

"url": "https://github.com/Marcelo-Rodrigues/karaoke/issues"

},

"homepage": "https://github.com/Marcelo-Rodrigues/karaoke#readme"

}

Is this ok? (yes)

C:\Users\marce\Documents\GitHub\karaoke\server>**mkdir app**

C:\Users\marce\Documents\GitHub\karaoke\server>**mkdir spec**

C:\Users\marce\Documents\GitHub\karaoke\server>**npm install jasmine-node --save**

npm WARN deprecated minimatch@0.2.14: Please update to minimatch 3.0.2 or higher to avoid a RegExp DoS issue

npm WARN deprecated minimatch@0.3.0: Please update to minimatch 3.0.2 or higher to avoid a RegExp DoS issue

npm WARN prefer global coffee-script@1.12.5 should be installed with -g

npm WARN prefer global jasmine-node@1.14.5 should be installed with -g

karaokeserver@1.0.0 C:\Users\marce\Documents\GitHub\karaoke\server

`-- jasmine-node@1.14.5

+-- coffee-script@1.12.5

+-- gaze@0.3.4

| +-- fileset@0.1.8

| | `-- glob@3.2.11

| | +-- inherits@2.0.3

| | `-- minimatch@0.3.0

| `-- minimatch@0.2.14

| +-- lru-cache@2.7.3

| `-- sigmund@1.0.1

+-- jasmine-growl-reporter@0.0.3

| `-- growl@1.7.0

+-- jasmine-reporters@1.0.2

+-- mkdirp@0.3.5

+-- requirejs@2.3.3

+-- underscore@1.8.3

`-- walkdir@0.0.11

C:\Users\marce\Documents\GitHub\karaoke\server>**npm install request --save**

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`-- request@2.81.0

+-- aws-sign2@0.6.0

+-- aws4@1.6.0

+-- caseless@0.12.0

+-- combined-stream@1.0.5

| `-- delayed-stream@1.0.0

+-- extend@3.0.1

+-- forever-agent@0.6.1

+-- form-data@2.1.4

| `-- asynckit@0.4.0

+-- har-validator@4.2.1

| +-- ajv@4.11.8

| | +-- co@4.6.0

| | `-- json-stable-stringify@1.0.1

| | `-- jsonify@0.0.0

| `-- har-schema@1.0.5

+-- hawk@3.1.3

| +-- boom@2.10.1

| +-- cryptiles@2.0.5

| +-- hoek@2.16.3

| `-- sntp@1.0.9

+-- http-signature@1.1.1

| +-- assert-plus@0.2.0

| +-- jsprim@1.4.0

| | +-- assert-plus@1.0.0

| | +-- extsprintf@1.0.2

| | +-- json-schema@0.2.3

| | `-- verror@1.3.6

| `-- sshpk@1.13.0

| +-- asn1@0.2.3

| +-- assert-plus@1.0.0

| +-- bcrypt-pbkdf@1.0.1

| +-- dashdash@1.14.1

| | `-- assert-plus@1.0.0

| +-- ecc-jsbn@0.1.1

| +-- getpass@0.1.7

| | `-- assert-plus@1.0.0

| +-- jodid25519@1.0.2

| +-- jsbn@0.1.1

| `-- tweetnacl@0.14.5

+-- is-typedarray@1.0.0

+-- isstream@0.1.2

+-- json-stringify-safe@5.0.1

+-- mime-types@2.1.15

| `-- mime-db@1.27.0

+-- oauth-sign@0.8.2

+-- performance-now@0.2.0

+-- qs@6.4.0

+-- safe-buffer@5.0.1

+-- stringstream@0.0.5

+-- tough-cookie@2.3.2

| `-- punycode@1.4.1

+-- tunnel-agent@0.6.0

`-- uuid@3.0.1

C:\Users\marce\Documents\GitHub\karaoke\server>**npm install express --save**

karaokeserver@1.0.0 C:\Users\marce\Documents\GitHub\karaoke\server

`-- express@4.15.2

+-- accepts@1.3.3

| `-- negotiator@0.6.1

+-- array-flatten@1.1.1

+-- content-disposition@0.5.2

+-- content-type@1.0.2

+-- cookie@0.3.1

+-- cookie-signature@1.0.6

+-- debug@2.6.1

| `-- ms@0.7.2

+-- depd@1.1.0

+-- encodeurl@1.0.1

+-- escape-html@1.0.3

+-- etag@1.8.0

+-- finalhandler@1.0.2

| +-- debug@2.6.4

| | `-- ms@0.7.3

| `-- unpipe@1.0.0

+-- fresh@0.5.0

+-- merge-descriptors@1.0.1

+-- methods@1.1.2

+-- on-finished@2.3.0

| `-- ee-first@1.1.1

+-- parseurl@1.3.1

+-- path-to-regexp@0.1.7

+-- proxy-addr@1.1.4

| +-- forwarded@0.1.0

| `-- ipaddr.js@1.3.0

+-- range-parser@1.2.0

+-- send@0.15.1

| +-- destroy@1.0.4

| +-- http-errors@1.6.1

| `-- mime@1.3.4

+-- serve-static@1.12.1

+-- setprototypeof@1.0.3

+-- statuses@1.3.1

+-- type-is@1.6.15

| `-- media-typer@0.3.0

+-- utils-merge@1.0.0

`-- vary@1.1.1

**Alterado C:\Users\marce\Documents\GitHub\karaoke\server\package.json:**

"test": "./node\_modules/.bin/jasmine-node spec"