

Description

Congratulations on passing the initial screening and moving to the next phase of your application process. We are thrilled that you are interested in joining HCS and are looking forward to seeing what you can accomplish. The following challenge will help us understand your overall experience level and ability to complete tasks that will be similar to your daily job.

Challenge details

Your goal is to build an integration tool that loads data from a CSV file, schedules some email communications, and then executes automated tests to ensure all data and logic was executed correctly.

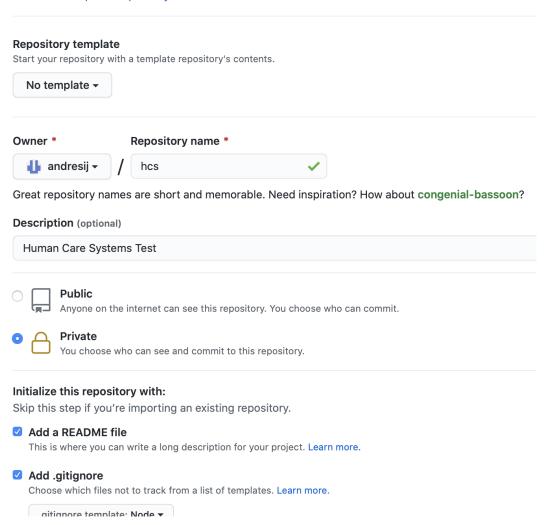
Here is the sample data file:

Program Identifier|Data Source|Card Number|Member ID|First Name|Last Name|Date of Birth|Address 1|Address 2|City|State|Zip code|Telephone number|Email Address|CONSENT|Mobile Phone 50777445|WEB 3RD PARTY|342121211|43233|LOAD|TEST 0|04/29/2000|3100 S Ashley Drive||Chandler|AZ|85286||test0@humancaresystems.com|Y|1234567912 50777445|WEB 3RD PARTY|564232340|12045|LOAD|TEST 1|03/20/1969|3100 S Ashley Drive||Chandler|AZ|85286||test1@humancaresystems.com|Y|1234567890 50777445|WEB 3RD PARTY|564232341|12145|LOAD|TEST 2|03/01/1969|3100 S Ashley Drive||Chandler|AZ|85286||test2@humancaresystems.com|Y|6177504302 50777445|WEB 3RD PARTY|564232342|12245|LOAD|TEST 3|03/02/1969|3100 S Ashley Drive||Chandler|AZ|85286||test3@humancaresystems.com|Y|6177504303 50777445|WEB 3RD PARTY|564232343|12445|LOAD|TEST 4|03/03/1969|3100 S Ashley Drive||Chandler|AZ|85286||test4@humancaresystems.com|N|6177504384 50777445|WEB 3RD PARTY|564232344|13245|LOAD|TEST 5|03/04/1969|3100 S Ashley Drive||Chandler|AZ|85286||test5@humancaresystems.com|N|6177504305 50777445|WEB 3RD PARTY|564232345|14545|LOAD|TEST 6|03/05/1969|3100 S

Creating Git repo

Create a new repository

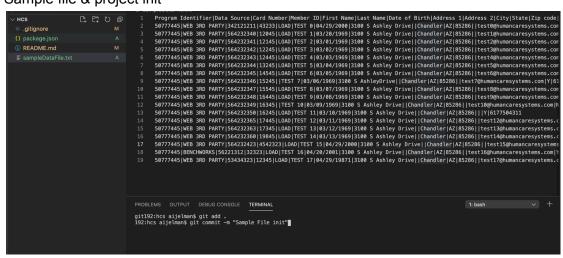
A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.



Create local copy

```
192:repos aijelman$ git clone https://github.com/andresij/hcs.git
Cloning into 'hcs'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), done.
192:repos aijelman$
```

Sample file & project init



Generate package.json

```
192:hcs aijelman$ 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 init` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
package name: (hcs)
version: (1.0.0)
description: Human Care System Exam
entry point: (index.js) node.js
test command: mocha
git repository: git+https://github.com/andresij/hcs.git
keywords:
author: Andres Ijelman
license: (ISC)
```

Install packages:

```
{} package.json ×
{} package.json > {} dependencies > ••• csv-parse
            "url": "https://github.com/andresij/hcs/issues"
 17
          },
          "homepage": "https://github.com/andresij/hcs#readme",
 19
 20
          "dependencies": {
 21
            "csv-parse": "^4.15.3",
            "dotenv": "^8.2.0",
 22
 23
            "lodash": "^4.17.21",
 24
            "mocha": "^8.3.2",
            "mongodb": "^3.6.6"
 25
PROBLEMS OUTPUT DEBUG CONSOLE
                                         TERMINAL
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050. 192:hcs aijelman$ npm install mochacsv-parse
```

csv-parse for parsing the flat file dotenv for keeping all configurations in .env file lodash for doing json objects comparison mocha for automated testing mongodb for connecting to mongo database

Configure automated scripts:

```
"scripts": {
    "test": "mocha node.test.js",
    "start": "node node.js"
},
```

Configure npm scripts and create files .env, node.js and node.test.js