1. Install MySQL on [macOS](https://dev.mysql.com/doc/mysql-osx-excerpt/5.7/en/osx-installation-pkg.html) / [Linux](https://dev.mysql.com/doc/mysql-apt-repo-quick-guide/en/).
2. Install [MySQL Driver](https://www.w3schools.com/nodejs/nodejs_mysql.asp).
3. Enter the MySQL monitor and enter your system password to login:
   1. macOS: $ /usr/local/MySQL/bin/mysql -u root -p
   2. Linux: $ mysql -u root -p
4. Type the following instructions:
   1. mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY '<MyNewPass>';
   2. mysql> flush privileges;
   3. mysql> \q
5. Test node.js connecting mysql
   1. Create [demo\_db\_connection.js](https://www.w3schools.com/nodejs/nodejs_mysql.asp)
   2. $ node demo\_db\_connection.js

Now the MySQL DB setup is done and after the connecting test the success, you can proceed to set up the project database:

1. Pull code from SkillsIdentifier Github.
2. Enter the root directory of the project.
3. Enter the MySQL monitor by /usr/local/MySQL/bin/mysql -u root -p (macOS) or mysql -u root -p (Linux).
4. mysql> CREATE DATABASE SkillsIdentifier;
5. mysql> source InitJobTable.sql;
6. mysql> select \* from Job; (You should be getting 964 results)
7. mysql> source InitElementsTable.sql;
8. mysql> select \* from Element; (You should be getting 136 results.)
9. mysql> source InitJobElementsTable.sql; (It may take some time.)
10. mysql> select count(\*) from JobElements; (You should get result 130188.)
11. mysql> \q
12. $ npm install express --save
13. $ npm install body-parser --save
14. $ npm install cookie-parser --save
15. $ npm install multer --save
16. $ npm install morgan --save
17. $ npm install method-override --save
18. $ npm install cors --save
19. Open SkillsIdentifier-MVP/server/server.js, and change the Password in line 17 to the password you set in step 4.
20. Open another terminal.
21. On new terminal: $ cd SkillsIdentifier-MVP/server
22. On the new terminal: $ node server.js Don’t close this terminal.
23. Go to <http://localhost:8080/autocomplete/charge> and you should see some French strings.
24. Go back to the original terminal.
25. Open the browser and visit <https://api.dataatwork.org/v1/jobs/autocomplete?contains=teach>
26. If you get an error, click the advanced button and proceed to the page. You should get a json on the page.
27. $ cd SkillsIdentifier-MVP
28. $ ionic serve
29. The SkillsIdentifier website should be automatically open. This page only supports French input. If you want to test but don’t speak French you can type ‘Charge’ in the input box.