

## 1. Download NodeJS at <https://nodejs.org/en/>

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.

### Download for Windows (x64)



[Other Downloads](#) | [Changelog](#) | [API Docs](#)   [Other Downloads](#) | [Changelog](#) | [API Docs](#)

Or have a look at the [Long Term Support \(LTS\) schedule](#).

## 2. Install PostgreSQL

### 3. After successful installation, open SQL Shell (psql) and type the following command:

- /create database FDS (or any other name that you like)
- /c FDS (or the name you choose)

```
SQL Shell (psql)
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
Password for user postgres:
psql (12.1)
WARNING: Console code page (437) differs from Windows code page (1252)
8-bit characters might not work correctly. See psql reference
page "Notes for Windows users" for details.
Type "help" for help.

postgres=# create database FDS;
CREATE DATABASE
postgres=# \c fds
You are now connected to database "fds" as user "postgres".
fds=#
```

After that, run init.sql and loadDatabase.sql:

- \i path/to/your/init.sql



To create a web page (also called web app nowadays) called App, use the command:

- `express App --view=ejs` .

To install express-session

- `npm install express-session`

To install pg module:

- `npm install pg`

To install pg module:

- `npm install body-parser --save`

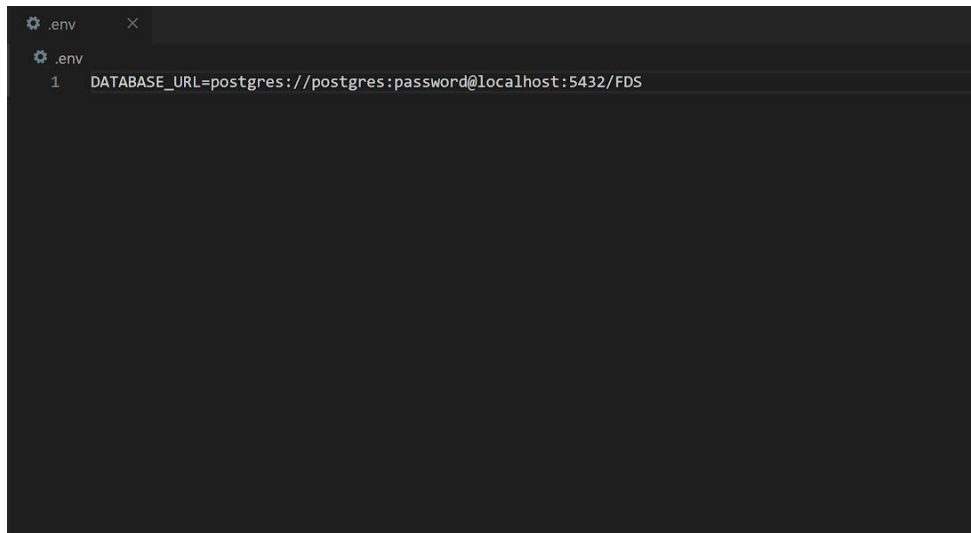
To install dotenv:

- `npm install dotenv --save`

## 5. Edit the .env file in the App folder:

Password: your password to login to psql

FDS (or the name you choose): the database just now created



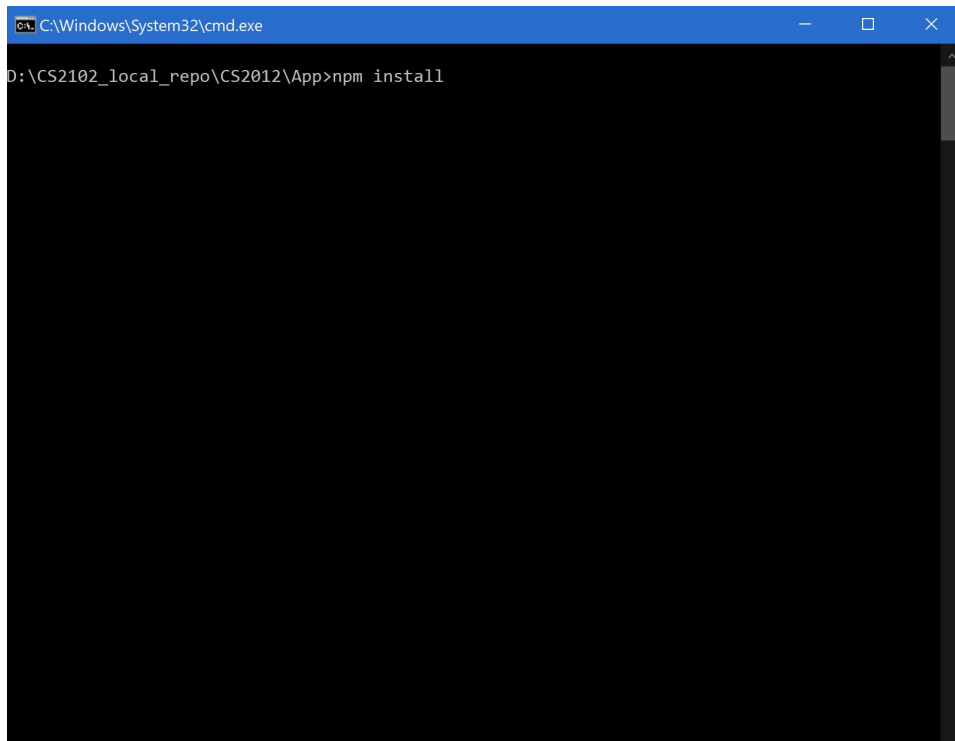
**DATABASE\_URL=postgres://username:password@host\_address:port/database\_name**

eg.

**DATABASE\_URL=postgres://postgres:password@localhost:5432/FDS**

## 6. Go to App folder in the command prompt:

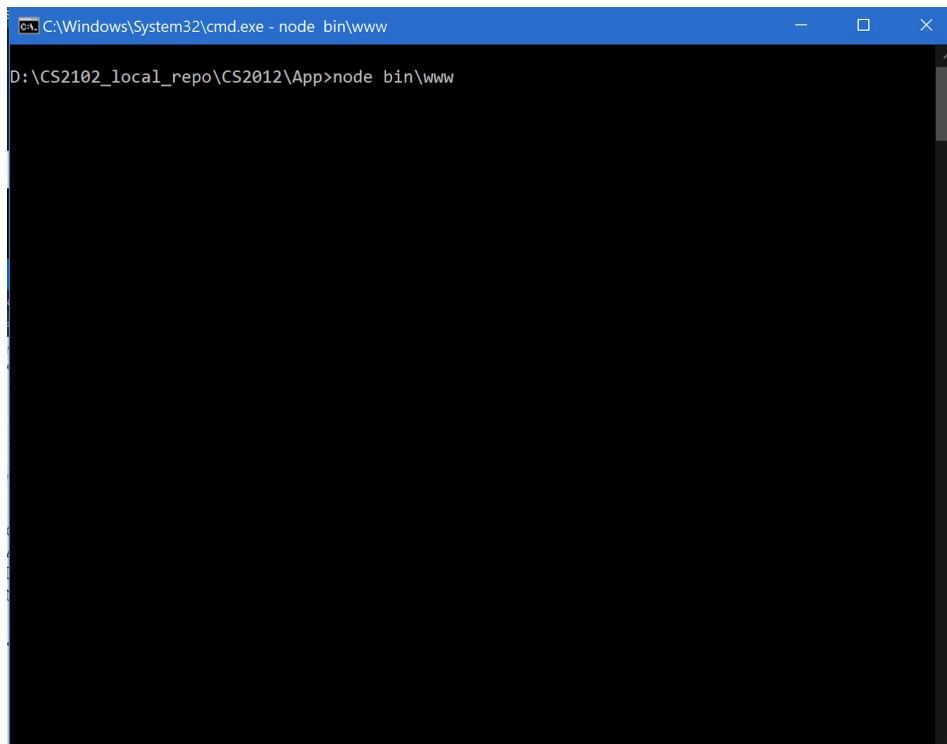
Install the required packages using 'npm install' which will install all the missing packages.



A screenshot of a Windows command prompt window. The title bar reads "C:\Windows\System32\cmd.exe". The command prompt shows the directory "D:\CS2102\_local\_repo\CS2012\App" and the command "npm install" has been entered. The rest of the window is black.

```
C:\Windows\System32\cmd.exe
D:\CS2102_local_repo\CS2012\App>npm install
```

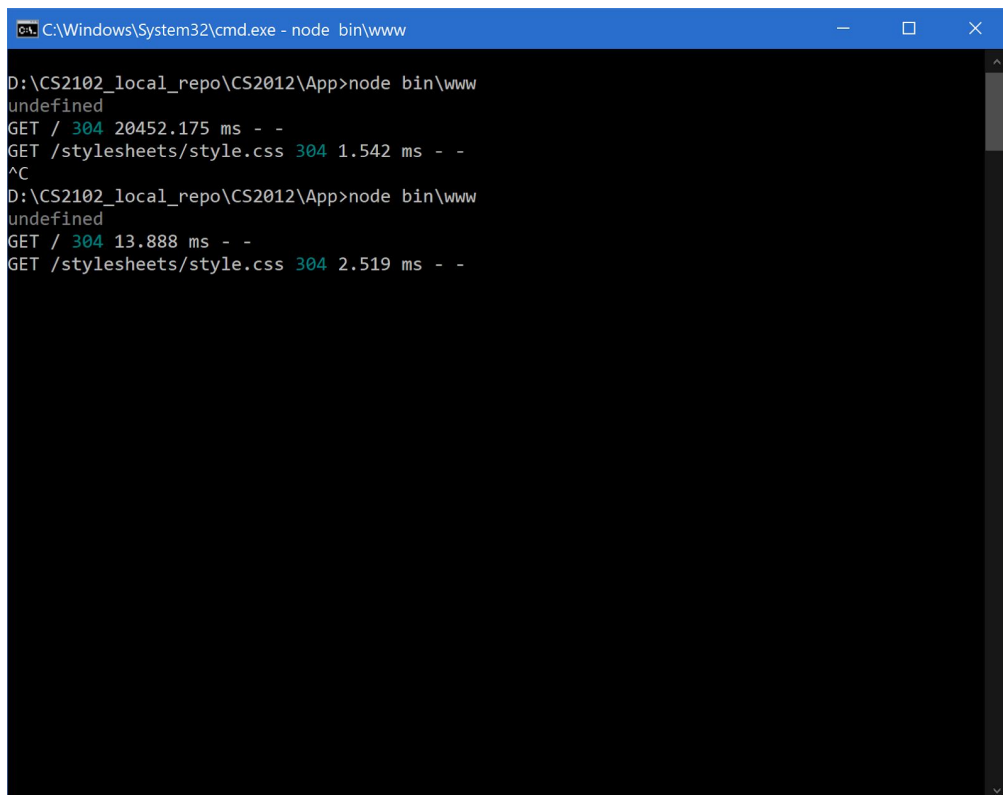
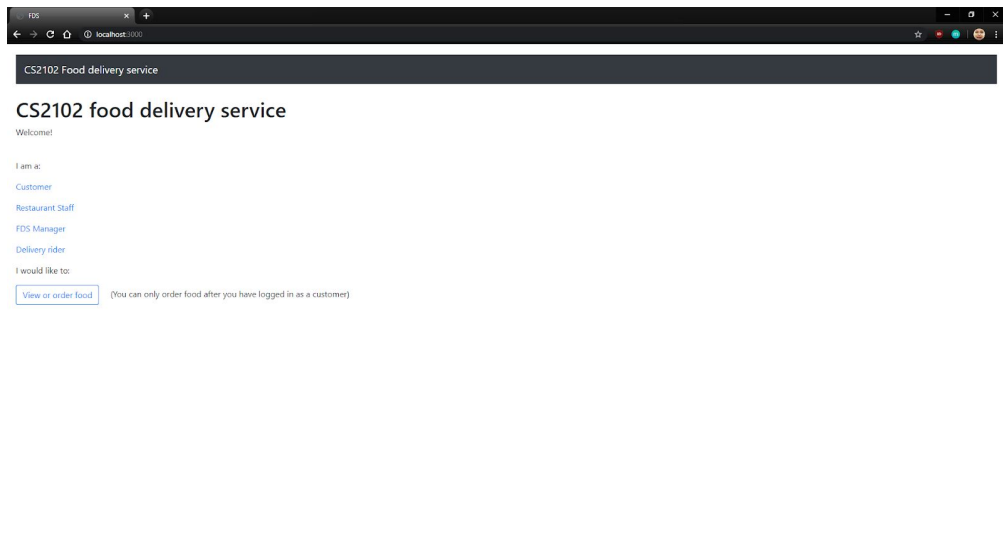
## 7. run your server: node bin\www



A screenshot of a Windows command prompt window. The title bar reads "C:\Windows\System32\cmd.exe - node bin\www". The command prompt shows the directory "D:\CS2102\_local\_repo\CS2012\App" and the command "node bin\www" has been entered. The rest of the window is black.

```
C:\Windows\System32\cmd.exe - node bin\www
D:\CS2102_local_repo\CS2012\App>node bin\www
```

8. open localhost:3000, you will see the following pages below.



9. If you want to stop the server, press CTRL + C in the command prompt