

# Week 12 Front End Assignment

Full Stack JS 40 points

# Requirements Node JS and MongoDB

- You should have nodejs installed
- Cannot be done in codepen
- Upload a zipped folder into the assignment attached.
  - Backend Code
  - Front End code
  - Screen images of front end working and proof it works (using postman)
- I should be able to open the zip file, go to command line and start the node sever, then I should be able to go to the index.html page and add a todo to your backend

# Front End Layout

---

## Add New Todo

New Todo:

Create New Todo

# Install MongoDB

Complete this tutorial

<https://www.codementor.io/olatundegaruba/nodejs-restful-apis-in-10-minutes-q0sgsfhbd> (Links to an external site.)  
[Links to an external site.](#)

You should be able to start the mongo database with “mongod”

Before you should be able to see the version with the command “mongo --version”

If you get something like “command not recognized” then you path in the environment is not set correctly

# MongoDB Download

<https://www.mongodb.com/download-center#community>

This is the Windows Version that works on Windows 10.

This will give you some help on installation

<https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/#run-mongodb-community-edition> (Links to an external site.)[Links to an external site.](#)

You may need to create a path in windows toT the MongoDB bin file

Mine looks like this C:\Program Files\MongoDB\Server\3.4\bin

<https://stackoverflow.com/questions/15053893/error-when-trying-to-connect-to-a-mongod> (Links to an external site.)[Links to an external site.](#)

# Download this version

The screenshot shows a web interface for downloading software. At the top, there is a navigation bar with five tabs: 'Atlas', 'Community Server' (which is highlighted in green), 'Enterprise Server', 'Ops Manager', and an unlabeled tab. Below the navigation bar, the page is divided into two main sections. The left section contains the text 'Current Stable Release (3.4.10)', followed by the date '10/31/2017:' and links for 'Release Notes' and 'Changelog'. Below this, it says 'Download Source: tgz | zip'. The right section is titled 'Current Rel' and contains two buttons: 'Windows' (with a Windows logo icon) and 'Linux' (with a Linux logo icon). Below these buttons, there is a 'Version:' label and a dropdown menu showing 'Windows Server 2008 R2 64-bit and later, with SSL support x64'. At the bottom, there is an 'Installation Package:' label and a green button with a download icon and the text 'DOWNLOAD (msi)'.

Atlas Community Server Enterprise Server Ops Manager

Current Stable Release (3.4.10)  
10/31/2017: [Release Notes](#) | [Changelog](#)  
Download Source: [tgz](#) | [zip](#)

Current Rel

Windows Linux

Version:  
Windows Server 2008 R2 64-bit and later, with SSL support x64 ▼

Installation Package:  
[DOWNLOAD \(msi\)](#)

# You should get a command window when start DB

Close the window and the DB stops (note the port number at the bottom)

```
Command Prompt - mongod

C:\Users\forrest>mongod
2017-11-07T04:18:50.046-0800 I CONTROL [initandlisten] MongoDB starting : pid=340 port=27017 dbpath=C:\data\db\ 64-bit
host=DESKTOP-4CI8V2D
2017-11-07T04:18:50.046-0800 I CONTROL [initandlisten] targetMinOS: Windows 7/Windows Server 2008 R2
2017-11-07T04:18:50.048-0800 I CONTROL [initandlisten] db version v3.4.10
2017-11-07T04:18:50.050-0800 I CONTROL [initandlisten] git version: 078f28920cb24de0dd479b5ea6c66c644f6326e9
2017-11-07T04:18:50.050-0800 I CONTROL [initandlisten] OpenSSL version: OpenSSL 1.0.1u-fips 22 Sep 2016
2017-11-07T04:18:50.051-0800 I CONTROL [initandlisten] allocator: tcmalloc
2017-11-07T04:18:50.052-0800 I CONTROL [initandlisten] modules: none
2017-11-07T04:18:50.052-0800 I CONTROL [initandlisten] build environment:
2017-11-07T04:18:50.053-0800 I CONTROL [initandlisten]     distmod: 2008plus-ssl
2017-11-07T04:18:50.053-0800 I CONTROL [initandlisten]     distarch: x86_64
2017-11-07T04:18:50.054-0800 I CONTROL [initandlisten]     target_arch: x86_64
2017-11-07T04:18:50.055-0800 I CONTROL [initandlisten] options: {}
2017-11-07T04:18:50.062-0800 I - [initandlisten] Detected data files in C:\data\db\ created by the 'wiredTiger' s
storage engine, so setting the active storage engine to 'wiredTiger'.
2017-11-07T04:18:50.063-0800 I STORAGE [initandlisten] wiredtiger_open config: create,cache_size=7617M,session_max=2000
0,eviction=(threads_min=4,threads_max=4),config_base=false,statistics=(fast),log=(enabled=true,archive=true,path=journal
,compressor=snappy),file_manager=(close_idle_time=100000),checkpoint=(wait=60,log_size=2GB),statistics_log=(wait=0),
2017-11-07T04:18:51.050-0800 I CONTROL [initandlisten]
2017-11-07T04:18:51.050-0800 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2017-11-07T04:18:51.054-0800 I CONTROL [initandlisten] **      Read and write access to data and configuration is u
nrestricted.
2017-11-07T04:18:51.056-0800 I CONTROL [initandlisten]
2017-11-07T07:18:52.237-0500 I FTDC [initandlisten] Initializing full-time diagnostic data capture with directory 'C
:\data\db\diagnostic.data'
2017-11-07T07:18:52.240-0500 I NETWORK [thread1] waiting for connections on port 27017
2017-11-07T07:18:53.047-0500 I NETWORK [thread1] connection accepted from 127.0.0.1:62623 #1 (1 connection now open)
```

# Error in code you may find

When you start mongodb and try to connect with postman you may find an error about connect()

You may find this code helpful

```
// mongoose instance connection url connection
```

```
mongoose.Promise = global.Promise;
```

```
mongoose.connect('mongodb://localhost/Tododb', {useMongoClient: true});
```



# Postman Create (1) Header

Note the urlencoded

The screenshot shows the Postman interface for a POST request. The URL bar displays 'http://localhost:3000/tasks'. The 'Headers' tab is selected, showing a single header: 'Content-Type' with the value 'application/x-www-form-urlencoded'. The 'Body' tab is also visible, and the 'Send' button is highlighted in blue.

Environment: No Environment

Method: POST

URL: http://localhost:3000/tasks

Params: [Empty]

Authorization: [Empty]

Headers (1):

Key	Value	Description
<input checked="" type="checkbox"/> Content-Type	application/x-www-form-urlencoded	
<input type="text" value="New key"/>	<input type="text" value="Value"/>	<input type="text" value="Description"/>

Response: [Empty]

# Postman (2) Body

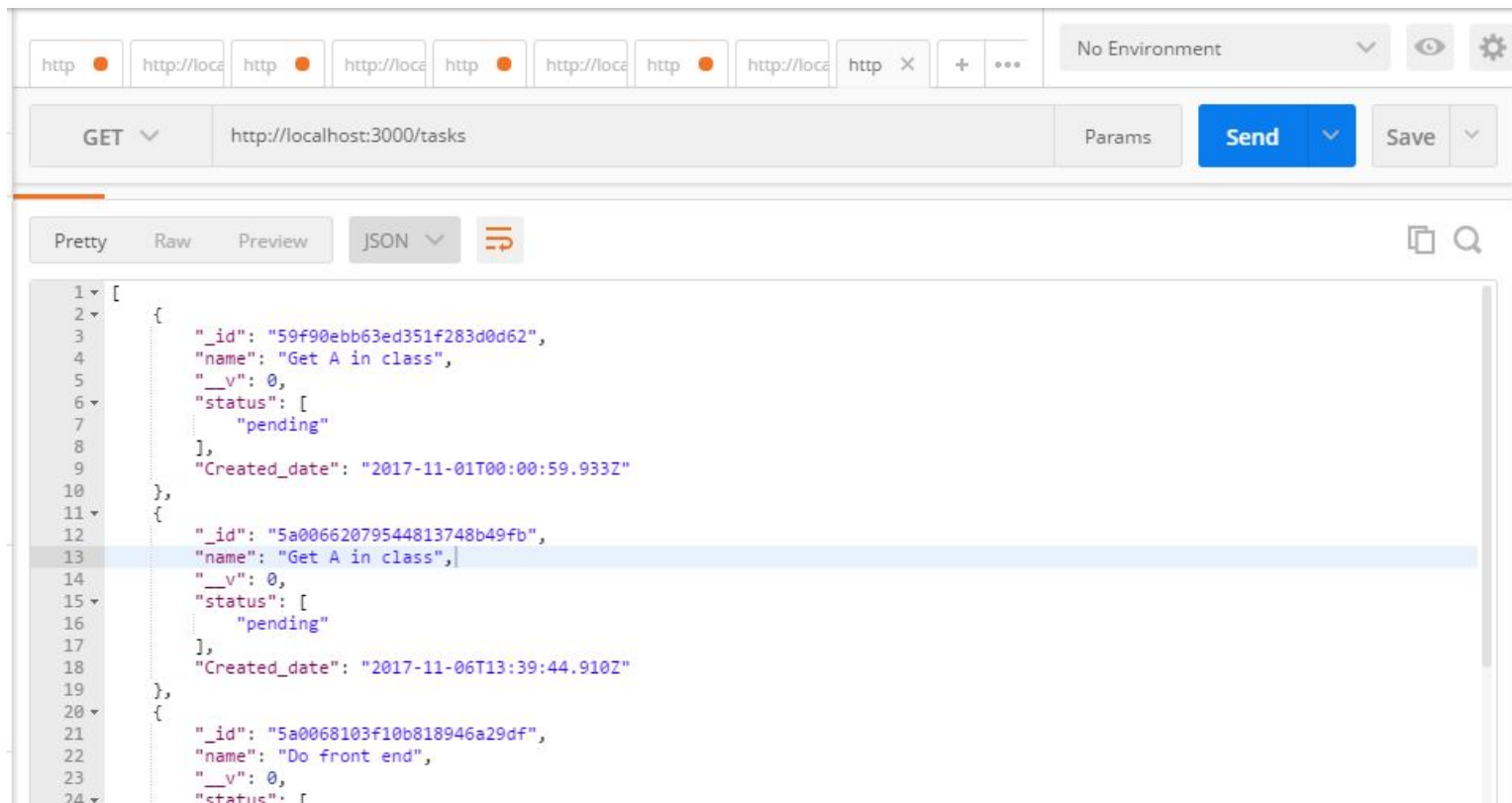
The screenshot shows the Postman interface with a POST request to `http://localhost:3000/tasks`. The 'Body' tab is selected, and the 'x-www-form-urlencoded' radio button is chosen. A table with one row is visible, containing 'name' and 'Do front end'.

Key	Value	Description
<input checked="" type="checkbox"/> name	Do front end	

Below the table, there are input fields for 'New key', 'Value', and 'Description'.

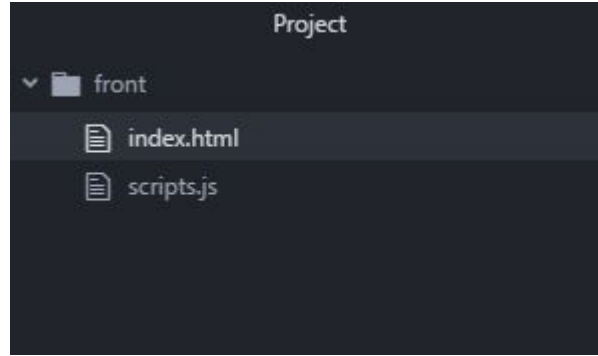
Response

# Postman Display



# Front end

My Folder



Don't forget to connect the script to index

```
<script src="scripts.js"></script>
```

# Your Fetch has to use URL Encoded

This may help

```
fetch(url, {
```

```
  method: 'POST',
```

```
  headers: {'Content-Type': 'application/x-www-form-urlencoded'}, // this line is  
important, if this content-type is not set it wont work
```

```
  body: !!This is a string with your name value pair sent to the mongoDB
```

```
})
```

# Remember

Need a zipped file with both the server code and the front end code that I can download and run.