

# CRUD Nodejs y Mongodb

## Fazt Code

<https://www.youtube.com/watch?v=3J925fRI UE>

Resumo do vídeo feito por Roberto Pinheiro

### Criando arquivo de dependências

`npm init --yes`

**package.json**

```
{
  "name": "crud-nodejs-mongodb",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}
```

### Instalando pacotes

`npm install express mongoose ejs morgan`

```
C:\laragon\www\crud-nodejs-mongodb>npm install express mongoose ejs morgan
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN crud-nodejs-mongodb@1.0.0 No description
npm WARN crud-nodejs-mongodb@1.0.0 No repository field.

+ ejs@2.6.2
+ morgan@1.9.1
+ mongoose@5.6.10
+ express@4.17.1
added 76 packages from 52 contributors and audited 175 packages in 69.283s
found 0 vulnerabilities
```

## npm install nodemon -D

```
C:\laragon\www\crud-nodejs-mongodb>npm install nodemon -D
> nodemon@1.19.1 postinstall C:\laragon\www\crud-nodejs-mongodb\node_modules\nodemon
> node bin/postinstall || exit 0

npm WARN deprecated crud-nodejs-mongodb@1.0.0 No description
npm WARN deprecated crud-nodejs-mongodb@1.0.0 No repository field.
npm WARN deprecated optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.9 (node_modules\fsevents):
npm WARN deprecated notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"ia32"})

+ nodemon@1.19.1
added 214 packages from 120 contributors and audited 2444 packages in 126.559s
found 0 vulnerabilities
```

## package.json

```
{
  "name": "crud-nodejs-mongodb",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "dependencies": {
    "ejs": "^2.6.2",
    "express": "^4.17.1",
    "mongoose": "^5.6.10",
    "morgan": "^1.9.1"
  },
  "devDependencies": {
    "nodemon": "^1.19.1"
  }
}
```

## Configurando o servidor

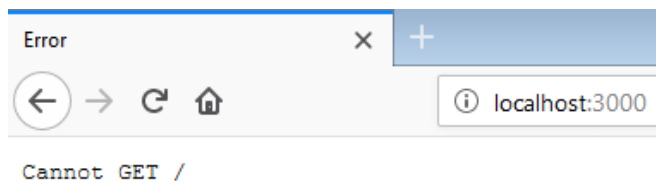
### app.js

```
const express = require('express');
const app = express();

// settings
app.set('port', process.env.PORT || 3000);

app.listen(app.get('port'), () => {
  console.log(`server on port ${app.get('port')}`);
});
```

```
C:\laragon\www\crud-nodejs-mongodb>node ./src/app.js
server on port 3000
█
```



O erro especificado é porque ainda não foi definida nenhuma rota para a página principal.

## package.json

```
{
  "name": "crud-nodejs-mongodb",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "start": "node src/app.js",
    "dev": "nodemon src/app.js"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "dependencies": {
    "ejs": "^2.6.2",
    "express": "^4.17.1",
    "mongoose": "^5.6.10",
    "morgan": "^1.9.1"
  },
  "devDependencies": {
    "nodemon": "^1.19.1"
  }
}
```

Em produção (production), no servidor de hospedagem será executado:

## npm start

```
C:\laragon\www\crud-nodejs-mongodb>npm start

> crud-nodejs-mongodb@1.0.0 start C:\laragon\www\crud-nodejs-mongodb
> node src/app.js

server on port 3000
```

Em desenvolvimento (development), no servidor local será executado:

## npm run dev

```
C:\laragon\www\crud-nodejs-mongodb>npm run dev

> crud-nodejs-mongodb@1.0.0 dev C:\laragon\www\crud-nodejs-mongodb
> nodemon src/app.js

[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node src/app.js`
server on port 3000
```

## Configurando views

### app.js

```
const path = require('path');
const express = require('express');
const app = express();

/* settings */

// configurando a porta do servidor
app.set('port', process.env.PORT || 3000);

// configurando o diretório de views
app.set('views', path.join(__dirname, 'views'));

// definindo o motor de templates
app.set('view engine', 'ejs');

/* starting the server */
app.listen(app.get('port'), () => {
  console.log(`server on port ${app.get('port')}`);
});
```

## Configurando Middlewares

### app.js

```
const path = require('path');
const express = require('express');
const morgan = require('morgan');

const app = express();

/* settings */

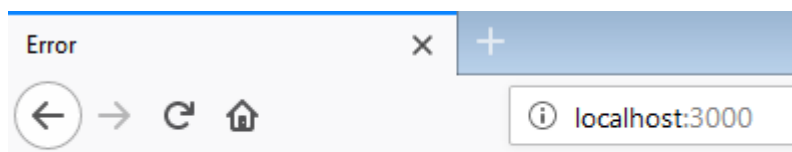
// configurando a porta do servidor
app.set('port', process.env.PORT || 3000);

// configurando o diretório de views
app.set('views', path.join(__dirname, 'views'));

// definindo o motor de templates
app.set('view engine', 'ejs');

/* middlewares */
app.use(morgan('dev'));

/* starting the server */
app.listen(app.get('port'), () => {
  console.log(`server on port ${app.get('port')}`);
});
```



```
C:\laragon\www\crud-nodejs-mongodb>npm run dev

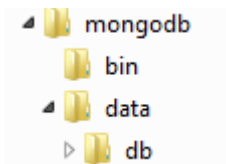
> crud-nodejs-mongodb@1.0.0 dev C:\laragon\www\crud-nodejs-mongodb
> nodemon src/app.js

[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node src/app.js`
server on port 3000
GET / 404 8.192 ms - 139
```

## Conectando com o banco de dados

### Rodando o servidor do Mongo

- Criar a pasta c:\mongodb e copiar os arquivos do Mongo para dentro dela.
- Dentro da pasta mongodb criar a subpasta data e dentro dela criar a subpasta db.



- Inserir o caminho da pasta bin do MongoDB no **path** do Windows.

C:\mongodb\bin

**Importante:** É dentro desta pasta **mongodb/data/db** que serão salvos os arquivos criados pelo Mongo.

### Abrindo o servidor do MongoDB no Windows 7 - 32 bits

Sempre que for trabalhar com o MongoDB é necessário abrir o seu servidor. Para isso, entre no seu terminal com o seguinte comando:

**mongod --storageEngine=mmapv1 --dbpath c:\mongodb\data\db --port 27017**

```
C:\laragon\www\crud-nodejs-mongodb>mongod --storageEngine=mmapv1 --dbpath c:\mongodb\data\db --port 27017
2019-08-24T02:04:51.202-0300 I CONTROL [main]
2019-08-24T02:04:51.204-0300 W CONTROL [main] 32-bit servers don't have journaling enabled by default. Please use --journal if you want durability.
2019-08-24T02:04:51.204-0300 I CONTROL [main]
2019-08-24T02:04:51.362-0300 I CONTROL [main] Hotfix KB2731284 or later update is not installed, will zero-out data files
2019-08-24T02:04:51.549-0300 I CONTROL [initandlisten] MongoDB starting : pid=13308 port=27017 dbpath=c:\mongodb\data\db 32-bit host=Beto-PC
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] targetMinOS: Windows Vista/Windows Server 2008
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] db version v3.2.22
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] git version: 305acca03443f9a47c1a5bd688fd7133048a58d
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] allocator: tonallic
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] modules: none
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] build environment:
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] distarch: i386
2019-08-24T02:04:51.550-0300 I CONTROL [initandlisten] target_arch: i386
2019-08-24T02:04:51.551-0300 I CONTROL [initandlisten] options: { net: { port: 27017 }, storage: { dbPath: "c:\mongodb\data\db", engine: "mmapv1" } }
2019-08-24T02:04:51.606-0300 I CONTROL [initandlisten]
2019-08-24T02:04:51.607-0300 I CONTROL [initandlisten] ** WARNING: This 32-bit MongoDB binary is deprecated
2019-08-24T02:04:51.607-0300 I CONTROL [initandlisten]
2019-08-24T02:04:51.608-0300 I CONTROL [initandlisten]
2019-08-24T02:04:51.609-0300 I CONTROL [initandlisten] ** NOTE: This is a 32 bit MongoDB binary.
2019-08-24T02:04:51.609-0300 I CONTROL [initandlisten] ** 32 bit builds are limited to less than 2GB of data (or less with --journal).
2019-08-24T02:04:51.609-0300 I CONTROL [initandlisten] ** Note that journaling defaults to off for 32 bit and is currently off.
2019-08-24T02:04:51.609-0300 I CONTROL [initandlisten] ** See http://docs.mongodb.org/core/32bit
2019-08-24T02:04:51.609-0300 I CONTROL [initandlisten]
2019-08-24T02:04:52.249-0300 I NETWORK [HostnameCanonicalizationWorker] Starting hostname canonicalization worker
2019-08-24T02:04:55.130-0300 W FTDC [initandlisten] Failed to Initialize Performance Counters for FTDC: WindowsPdhError: PdhExpandCounterPathw failed with 'O objeto especificado não foi encontrado no computador.' for counter '\Processor(_Total)\% Idle Time'
2019-08-24T02:04:55.130-0300 I FTDC [initandlisten] Initializing full-time diagnostic data capture with directory 'c:\mongodb\data\db\diagnostic.data'
2019-08-24T02:04:55.162-0300 I NETWORK [initandlisten] waiting for connections on port 27017
[]
```

## Configurando as rotas e a conexão com o BD

### app.js

```
const path = require('path');
const express = require('express');
const morgan = require('morgan');
const mongoose = require('mongoose');

const app = express();

/* connection to db */

mongoose.connect('mongodb://localhost/crud-mongo')
  .then(db => console.log('db connected'))
  .catch(err => console.log(err));

/* Importing routes */

const indexRoutes = require('./routes/index');

/* settings */

// configurando a porta do servidor
app.set('port', process.env.PORT || 3000);

// configurando o diretório de views
app.set('views', path.join(__dirname, 'views'));

// definindo o motor de templates
app.set('view engine', 'ejs');

/* middlewares */

app.use(morgan('dev'));

// para entender os dados que vem de um formulário
app.use(express.urlencoded({extended: false}));

/* routes */
app.use('/', indexRoutes);

/* starting the server */

app.listen(app.get('port'), () => {
  console.log(`server on port ${app.get('port')}`);
});
```



Não é necessário criar a BD porque se ela não existe será criada automaticamente com o nome dado. Nesse caso, o nome do database criado será **crud-mongo**.

```
[nodemon] restarting due to changes...
[nodemon] restarting due to changes...
[nodemon] starting 'node src/app.js'
(node:21268) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option
{ useNewUrlParser: true } to MongoClient.connect.
server on port 3000
db connected
[]
```

Uma conexão agora está aberta:

```
2019-08-24T02:04:55.162-0300 I NETWORK [initandlisten] waiting for connections on port 27017
2019-08-24T02:11:40.187-0300 I NETWORK [initandlisten] connection accepted from 127.0.0.1:53029 #1 (1 connection now open)
```

## Configurando Models

**src/models/task.js**

```
const mongoose = require('mongoose');
const Schema = mongoose.Schema;
```

```
const TaskSchema = Schema({
  title: String,
  description: String,
  status: {
    type: Boolean,
    default: false
  }
});
```

```
module.exports = mongoose.model('tasks', TaskSchema);
```

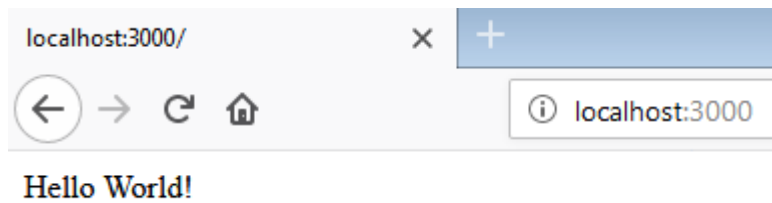
## Configurando a rota principal

### src/routes/index.js

```
const express = require('express');
const router = express.Router();

router.get('/', (req, res) => {
  res.send('Hello World!');
});

module.exports = router;
```



### src/routes/index.js

```
const express = require('express');
const router = express.Router();

router.get('/', (req, res) => {
  res.render('index');
});

module.exports = router;
```

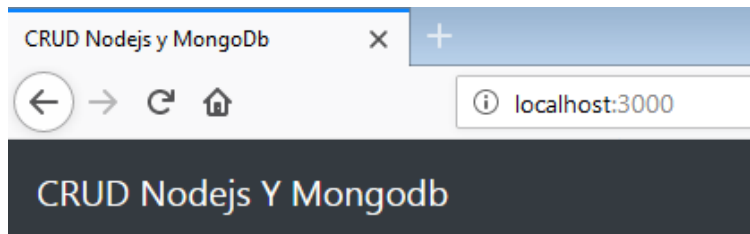
**src/views/index.ejs**

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>CRUD Nodejs y MongoDB</title>
    <!-- BOOTSTRAP CDN -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.0/css/bootstrap.min.css"
integrity="sha384-9gVQ4dYFwwWSjIDZnLEWnxCjeSFWFphJiwGPXr1jddIhOegiu1FwO5qRGvFXOdJZ4"
crossorigin="anonymous">
  </head>
  <body>

    <nav class="navbar navbar-dark bg-dark mb-4">
      <a class="navbar-brand" href="#">CRUD Nodejs Y MongoDB</a>
    </nav>

    <div class="container">
      <h1>Hello World</h1>
    </div>

  </body>
</html>
```



# Hello World

### src/views/index.ejs

```
<% include partials/_header %>
```

```
  <div class="container">
    <h1>Hello World</h1>
  </div>
```

```
<% include partials/_footer %>
```

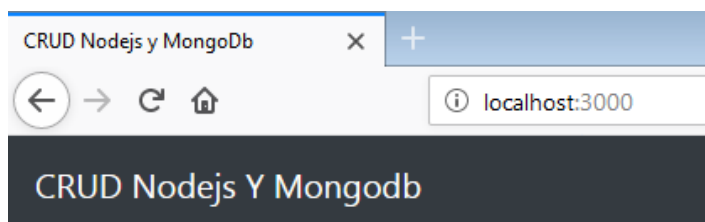
### src/views/partials/\_header.js

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>CRUD Nodejs y MongoDB</title>
  <!-- BOOTSTRAP CDN -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.0/css/bootstrap.min.css"
integrity="sha384-9gVQ4dYFwwWSjIDZnLEWnxCjeSFWFphJiwGPXr1jddIhOegiu1FwO5qRGvFXOdJZ4"
crossorigin="anonymous">
</head>
<body>

  <nav class="navbar navbar-dark bg-dark mb-4">
    <a class="navbar-brand" href="#">CRUD Nodejs Y MongoDB</a>
  </nav>
```

### src/views/partials/\_footer.js

```
</body>
</html>
```



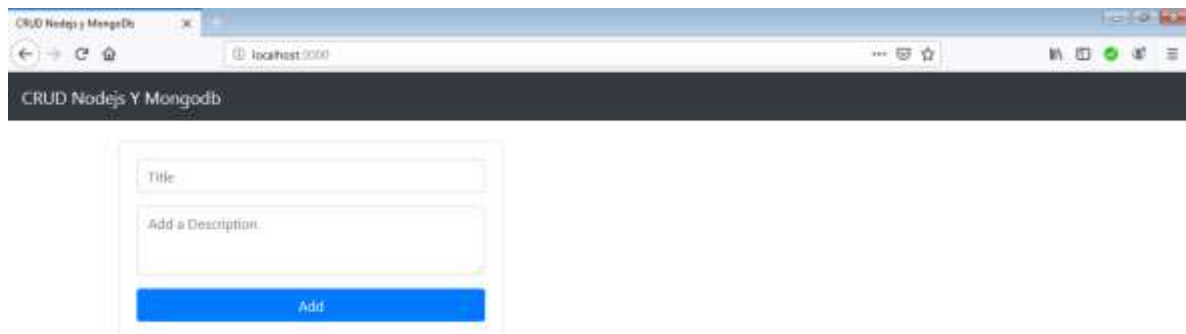
# Hello World

## src/views/index.ejs

```
<% include partials/_header %>
```

```
<div class="container">
  <div class="row">
    <!--FORM-->
    <div class="col-md-5">
      <div class="card">
        <div class="card-body">
          <form action="/add" method="post">
            <div class="form-group">
              <input class="form-control" type="text" name="title" placeholder="Title">
            </div>
            <div class="form-group">
              <textarea class="form-control" name="description" cols="80"
                placeholder="Add a Description"
              ></textarea>
            </div>
            <button class="btn btn-primary btn-block" type="submit">
              Add
            </button>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>
```

```
<% include partials/_footer %>
```



## src/views/index.ejs

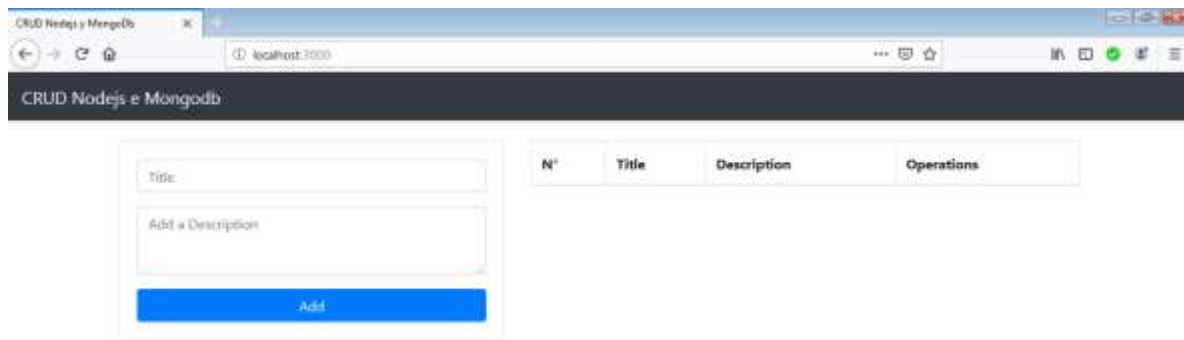
```
<% include partials/_header %>
```

```
<div class="container">
  <div class="row">
    <!--FORM-->
    <div class="col-md-5">
      <div class="card">
        <div class="card-body">
          <form action="/add" method="post">
            <div class="form-group">
              <input class="form-control" type="text" name="title" placeholder="Title">
            </div>
            <div class="form-group">
              <textarea class="form-control" name="description" cols="80"
                placeholder="Add a Description"
              ></textarea>
            </div>
            <button class="btn btn-primary btn-block" type="submit">
              Add
            </button>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>
```

```
<!-- LIST -->
<div class="col-md-7">
  <table class="table table-bordered table-hover">
    <thead>
      <tr>
        <th>N°</th>
        <th>Title</th>
        <th>Description</th>
        <th>Operations</th>
      </tr>
    </thead>
    <tbody>
    </tbody>
  </table>
</div>
</div>
```

```
</div>
```

```
<% include partials/_footer %>
```



## Rota para adicionar uma tarefa

### src/routes/index.js

```
const express = require('express');
const router = express.Router();

const Task = require('../models/task');

router.get('/', (req, res) => {
  res.render('index');
});

router.post('/add', (req, res, next) => {
  console.log(req.body);
  res.send('Received');
});

module.exports = router;
```

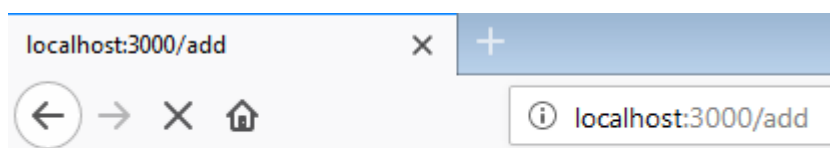
Form fields:

Title: almoço

Description: tenho que almoçar

Add

N°	Title	Description	Operations
----	-------	-------------	------------



```
server on port 3000
db connected
GET / 304 102.574 ms - -
[Object: null prototype] { title: 'almoçar', description: 'tenho que almoçar' }
POST /add 200 161.267 ms - 8
```

### src/routes/index.js

```
const express = require('express');
const router = express.Router();

const Task = require('../models/task');

router.get('/', (req, res) => {
  res.render('index');
});

router.post('/add', (req, res, next) => {
  console.log(new Task(req.body));
  res.send('Received');
});

module.exports = router;
```

```
server on port 3000
db connected
GET / 304 32.615 ms - -
GET / 304 3.274 ms - -
{ status: false,
  _id: 5d61052802490f0b8cac07cb,
  title: 'almoçar',
  description: 'tenho que almoçar' }
POST /add 200 82.506 ms - 8
```



## Criando e listando tarefas

src/routes/index.js

```
const express = require('express');
const router = express.Router();

const Task = require('../models/task');

router.get('/', async (req, res) => {
  const tasks = await Task.find();
  res.render('index', {
    tasks
  });
});

router.post('/add', async (req, res, next) => {
  const task = new Task(req.body);
  await task.save();
  res.redirect('/');
});

module.exports = router;
```

```
{ status: false,
  _id: 5d61095371ba7654b863f22d,
  title: 'correr',
  description: 'tenho que correr às tardes',
  __v: 0 },
{ status: false,
  _id: 5d610a3671ba7654b863f22e,
  title: 'jogar',
  description: 'tenho que jogar',
  __v: 0 } ]
GET / 200 46.506 ms - 1953
```

## src/views/index.ejs

```
<% include partials/_header %>
```

```
<pre><%= tasks %></pre>
```

```
<div class="container">
  <div class="row">
    <!--FORM-->
    <div class="col-md-5">
      <div class="card">
        <div class="card-body">
          <form action="/add" method="post">
            <div class="form-group">
              <input class="form-control" type="text" name="title" placeholder="Title">
            </div>
            <div class="form-group">
              <textarea class="form-control" name="description" cols="80"
                placeholder="Add a Description"
              ></textarea>
            </div>
            <button class="btn btn-primary btn-block" type="submit">
              Add
            </button>
          </form>
        </div>
      </div>
    </div>
  </div>
```

```
<!-- LIST -->
<div class="col-md-7">
  <table class="table table-bordered table-hover">
    <thead>
      <tr>
        <th>N°</th>
        <th>Title</th>
        <th>Description</th>
        <th>Operations</th>
      </tr>
    </thead>
    <tbody>
      </tbody>
    </table>
```

```
</div>
</div>
```

```
</div>
```

```
<% include partials/_footer %>
```

```

title: 'correr',
description: 'tenho que correr as tardes',
__v: 0 }, { status: false,
_id: 5d618a3671ba7654b863f22e,
title: 'jogar',
description: 'tenho que jogar',
__v: 0 } ]

```

The form consists of a text input field labeled 'Title:', a text area labeled 'Add a Description', and a blue button labeled 'Add'.

N°	Title	Description	Operations
----	-------	-------------	------------

## src/views/index.ejs

```
<% include partials/_header %>
```

```
<div class="container">
```

```
<div class="row">
```

```
<!--FORM-->
```

```
<div class="col-md-5">
```

```
<div class="card">
```

```
<div class="card-body">
```

```
<form action="/add" method="post">
```

```
<div class="form-group">
```

```
<input class="form-control" type="text" name="title" placeholder="Title">
```

```
</div>
```

```
<div class="form-group">
```

```
<textarea class="form-control" name="description" cols="80"
```

```
placeholder="Add a Description"
```

```
></textarea>
```

```
</div>
```

```
<button class="btn btn-primary btn-block" type="submit">
```

```
Add
```

```
</button>
```

```
</form>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!-- LIST -->
```

```
<div class="col-md-7">
```

```
<table class="table table-bordered table-hover">
```

```
<thead>
```

```
<tr>
```

```
<th>N°</th>
```

```
<th>Title</th>
```

```
<th>Description</th>
```

```
<th>Operations</th>
```

```
</tr>
```

```
</thead>
```

```

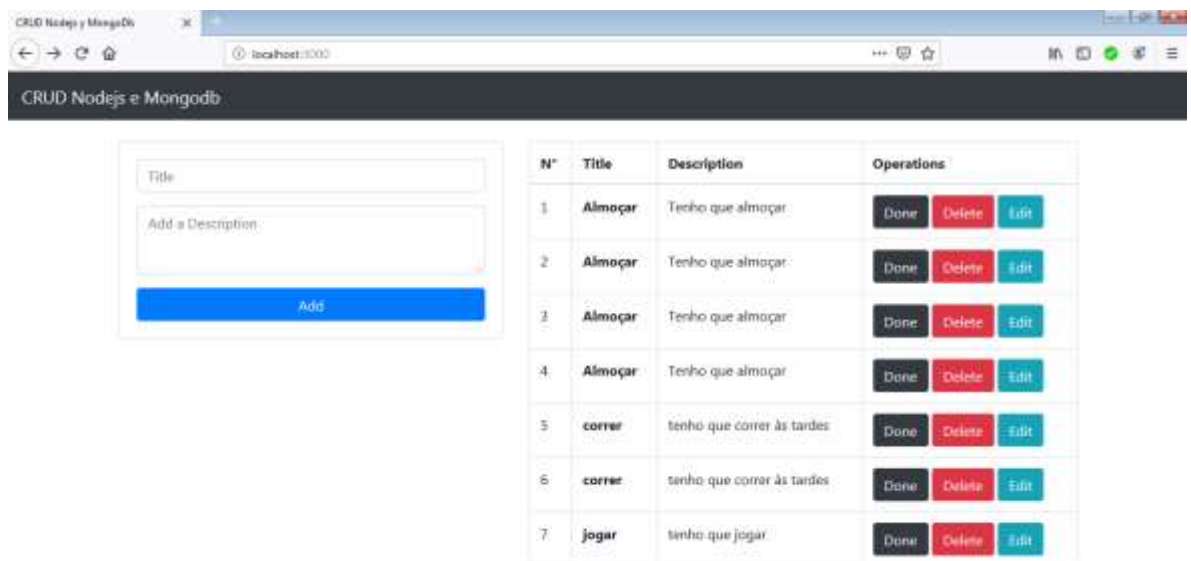
  <% for(var i=0; i < tasks.length; i++) { %>
    <tr>
      <td><%= i + 1%></td>
      <td><strong><%= tasks[i].title %></strong></td>
      <td><%= tasks[i].description %></td>
      <td>
        <a
          class="<%= tasks[i].status ? 'btn btn-success' : 'btn btn-dark'%>"
          href="/turn/<%= tasks[i]._id %>">Done</a>
        <a href="/delete/<%= tasks[i]._id %>"
          class="btn btn-danger">
          Delete
        </a>
        <a href="/edit/<%= tasks[i]._id %>" class="btn btn-info">
          Edit
        </a>
      </td>
    </tr>
  <% } %>
</tbody>
</table>

</div>
</div>

</div>

<% include partials/_footer %>

```



## Deletando tarefas

### src/routes/index.js

```
const express = require('express');
const router = express.Router();

const Task = require('../models/task');

router.get('/', async (req, res) => {
  const tasks = await Task.find();
  console.log(tasks);
  res.render('index', {
    tasks
  });
});

router.post('/add', async (req, res, next) => {
  const task = new Task(req.body);
  await task.save();
  res.redirect('/');
});

router.get('/delete/:id', async (req, res, next) => {
  let { id } = req.params;
  await Task.remove({ _id: id });
  res.redirect('/');
});

module.exports = router;
```



## Marcando tarefas como realizadas ou não realizadas

**src/routes/index.js**

```
const express = require('express');
const router = express.Router();

const Task = require('../models/task');

router.get('/', async (req, res) => {
  const tasks = await Task.find();
  console.log(tasks);
  res.render('index', {
    tasks
  });
});

router.post('/add', async (req, res, next) => {
  const task = new Task(req.body);
  await task.save();
  res.redirect('/');
});

router.get('/turn/:id', async (req, res, next) => {
  let { id } = req.params;
  const task = await Task.findById(id);
  task.status = !task.status;
  await task.save();
  res.redirect('/');
});

router.get('/delete/:id', async (req, res, next) => {
  let { id } = req.params;
  await Task.remove({_id: id});
  res.redirect('/');
});

module.exports = router;
```



## Editando uma tarefa

### src/routes/index.js

```
const express = require('express');
const router = express.Router();

const Task = require('../models/task');

router.get('/', async (req, res) => {
  const tasks = await Task.find();
  console.log(tasks);
  res.render('index', {
    tasks
  });
});

router.post('/add', async (req, res, next) => {
  const task = new Task(req.body);
  await task.save();
  res.redirect('/');
});

router.get('/turn/:id', async (req, res, next) => {
  let { id } = req.params;
  const task = await Task.findById(id);
  task.status = !task.status;
  await task.save();
  res.redirect('/');
});

router.get('/edit/:id', async (req, res, next) => {
  const task = await Task.findById(req.params.id);
  console.log(task)
  res.render('edit', { task });
});
```

```
router.post('/edit/:id', async (req, res, next) => {
  const { id } = req.params;
  await Task.update({_id: id}, req.body);
  res.redirect('/');
});
```

```
router.get('/delete/:id', async (req, res, next) => {
  let { id } = req.params;
  await Task.remove({_id: id});
  res.redirect('/');
});
```

```
module.exports = router;
```

### src/views/edit.ejs

```
<% include partials/_header %>
```

```
<div class="container">
```

```
<div class="row">
```

```
<!--FORM-->
```

```
<div class="col-md-5 offset-md-3">
```

```
<div class="card">
```

```
<div class="card-body">
```

```
<form action="/edit/<%= task._id %>" method="post">
```

```
<div class="form-group">
```

```
<input class="form-control" type="text" name="title" placeholder="Title" value="<%=
task.title %>">
```

```
</div>
```

```
<div class="form-group">
```

```
<textarea class="form-control" name="description" cols="80"
```

```
placeholder="Add a Description"
```

```
><%= task.description %></textarea>
```

```
</div>
```

```
<button class="btn btn-primary" type="submit">
```

```
Update
```

```
</button>
```

```
</form>
```

```
</div>
```

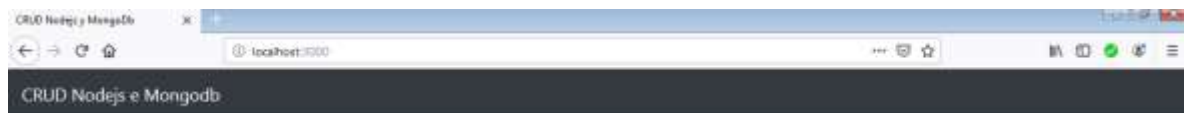
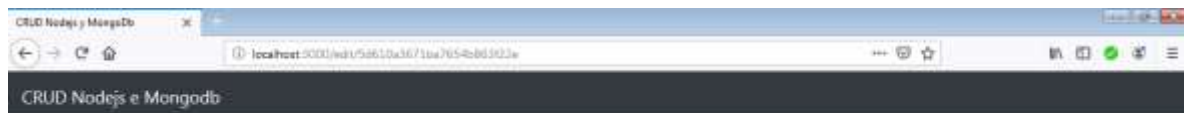
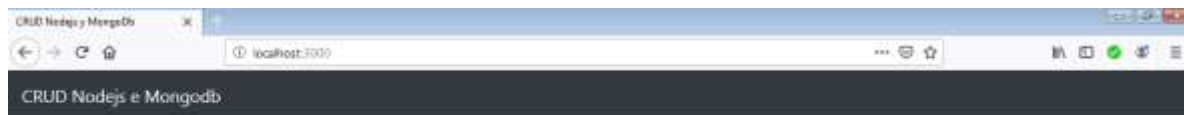
```
</div>
```

```
</div>
```

```
</div>
```

```
<% include partials/_footer %>
```





## String de conexão

mongodb+srv://betopinheiro1005:<password>@cluster-nodejs-mongodb-ulvw.mongodb.net/crud-mongo?retryWrites=true&w=majority

```
C:\laragon\www\crud-nodejs-mongodb>heroku login -i
heroku: Enter your login credentials
Email [betopinheiro1005@yahoo.com.br]: betopinheiro1005@yahoo.com.br
Password: *****
Logged in as betopinheiro1005@yahoo.com.br
C:\laragon\www\crud-nodejs-mongodb>
```