

The background features a complex, abstract pattern of overlapping teal-colored geometric shapes, primarily triangles and squares, creating a sense of depth and movement. These shapes are set against a dark, muted red background. The overall effect is a modern, tech-oriented aesthetic.

# NODE.JS

IW-I – Prof. Anderson Vanin

# HANDLEBARS

## ✓ CURSO\_NODE

> 01 - Hello World

> 02 - http

> 03-Express

> 04 - html

→ ✓ 05 - Handlebars

> node\_modules

> paginas

→ JS index.js

{ } package-lock.json

{ } package.json

JS teste.js

JS index.js X

05 - Handlebars > JS index.js > ...

```
1  const express = require('express')
```

```
2  const app = express()
```

```
3
```

```
4
```

```
5
```

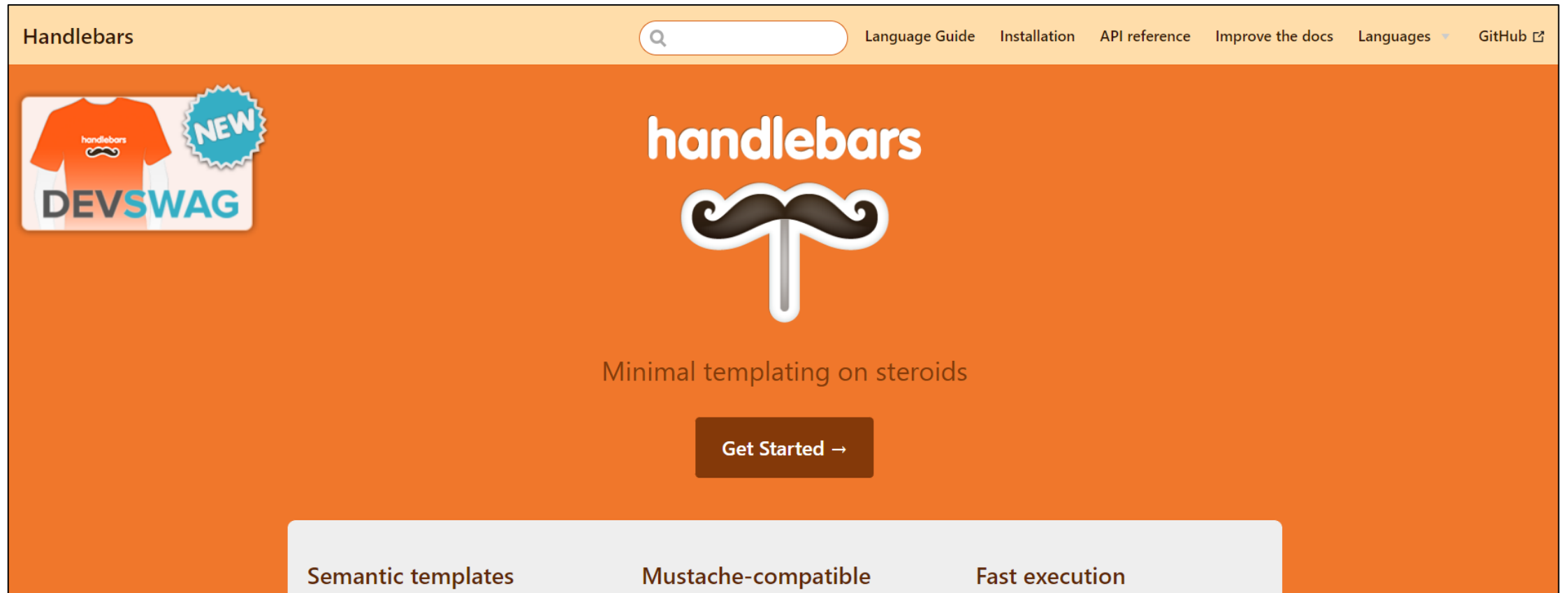
```
6  app.listen(8081,function(){
```

```
7    console.log("Servidor rodando na url http://localhost:8081")
```

```
8  })
```

# TEMPLATE ENGINE

- HANDLEBARS - <https://handlebarsjs.com/>
- `npm install --save express-handlebars`





```
C:\Users\Anderson\Desktop\2024 - ETEC\Curso_Node\05 - Handlebars>npm install --save express-handlebars
```

```
added 48 packages, and audited 145 packages in 2s
```

```
27 packages are looking for funding  
  run `npm fund` for details
```

```
found 0 vulnerabilities
```

```
C:\Users\Anderson\Desktop\2024 - ETEC\Curso_Node\05 - Handlebars>
```



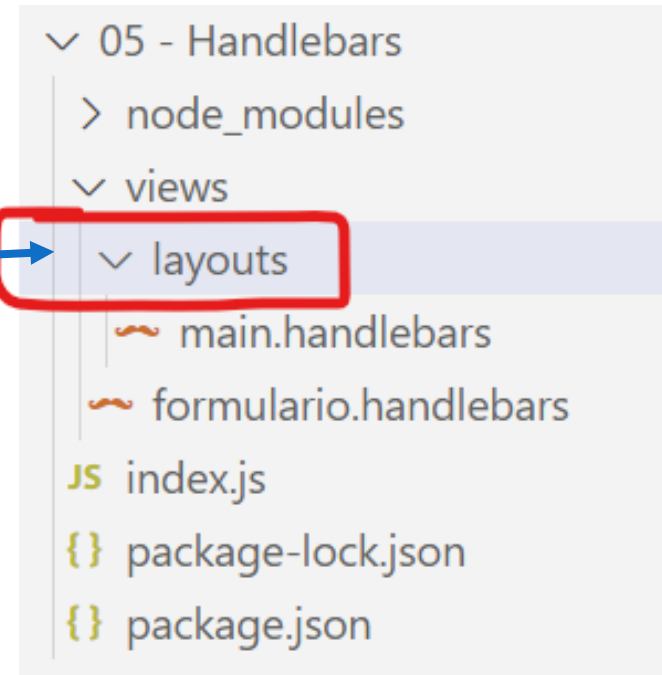
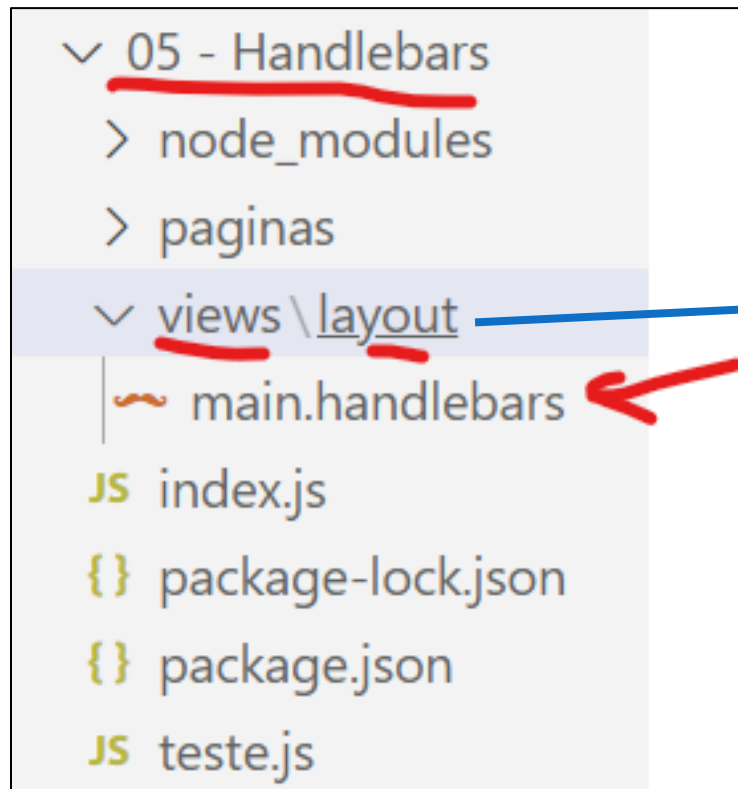
JS index.js X

05 - Handlebars > JS index.js > ...

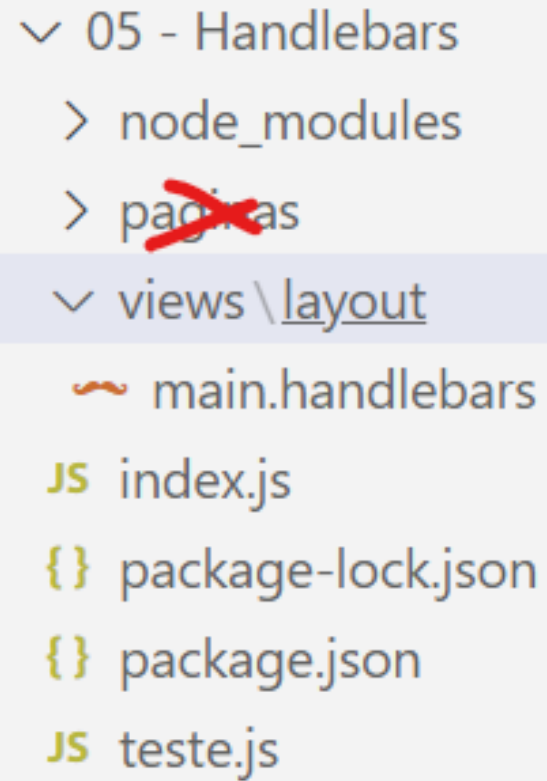
```
1  const express = require('express')
2  const app = express()
3  const handlebars = require('express-handlebars')
4
5  //configuração do handlebars
6  // Template Engine
7  app.engine('handlebars',handlebars({defaultLayout: 'main'}))
8  app.set('view engine','handlebars')
9
10
11
12
13 app.listen(8081,function(){
14   console.log("Servidor rodando na url http://localhost:8081")
15 })
```



- Na raiz do projeto crie uma pasta chamada **views**, dentro dela outra pasta chamada **layouts** e dentro dela um arquivo chamado **main.handlebars**



- Apague a pasta chamada **paginas** feita na aula passada.



```

  v 05 - Handlebars
    > node_modules
    > paginas
    v views \ layout
      ~ main.handlebars
      JS index.js
      {} package-lock.json
      {} package.json
      JS teste.js

```

JS index.js

main.handlebars X

05 - Handlebars > views > layout > main.handlebars > html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Postagens</title>
7  </head>
8  <body>
9    {{body}}
10 </body>
11 </html>
```



EXPLORER

CURSO\_NODE

- > 01 - Hello World
- > 02 - http
- > 03-Express
- > 04 - html
- ✓ 05 - Handlebars
  - > node\_modules
  - views\layout
    - main.handlebars
    - JS index.js
    - package-lock.json
    - package.json
    - teste.js
  - ~\$04 - Handlebars.pptx
  - 01 - Introducao.pdf
  - 01 - Introducao.pptx
  - 02 - Express.pdf
  - 02 - Express.pptx
  - 03 - Arquivos HTML.p...
  - 04 - Handlebars.pptx

05 - Handlebars > JS index.js > ...

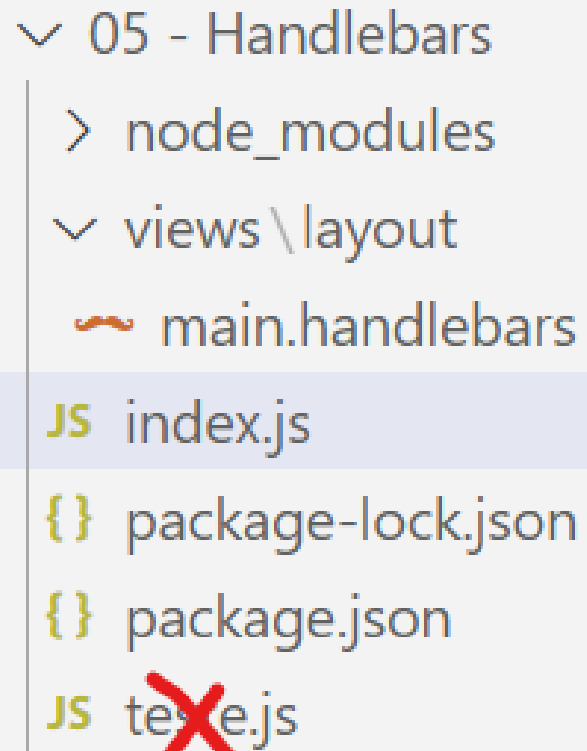
```
1  const express = require('express')
2  const app = express()
3  const handlebars = require('express-handlebars')
4
5
6
7  //configuração do handlebars
8  // Template Engine
9  app.engine('handlebars',handlebars({defaultLayout: 'main'}))
10 app.set('view engine','handlebars')
11
12 //conexão com o banco de dados
13 const Sequelize = require('sequelize')
14 const sequelize = new Sequelize('test','root','',{
15   host: "localhost",
16   dialect: 'mysql'
17 })
18
19
20
21 app.listen(8081,function(){
```

//configuração do handlebars

```
// Template Engine
app.engine('handlebars',handlebars.engine({defaultLayout: 'main'}))
app.set('view engine','handlebars')

//conexão com o banco de dados
const Sequelize = require('sequelize')
const sequelize = new Sequelize('test','root','',{
  host: "localhost",
  dialect: 'mysql'
})
```

- Apague o arquivo teste.js da aula passada.



```

  ✓ 05 - Handlebars
    > node_modules
    ✓ views \ layout
      🍷 main.handlebars
      JS index.js
      {} package-lock.json
      {} package.json
      JS teste.js

```


# FORMULÁRIOS PARA UMA APLICAÇÃO EXPRESS

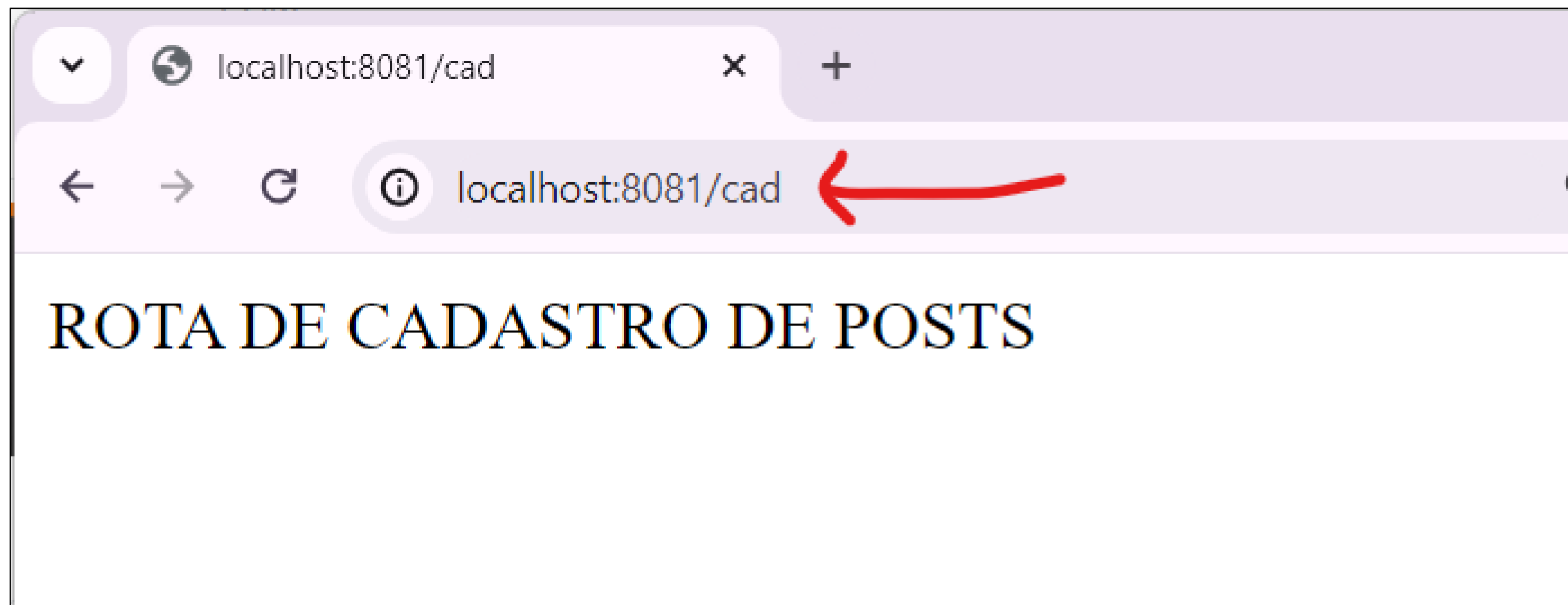
```
05 - Handlebars > JS index.js > ...
5
6
7 //configuração do handlebars
8 // Template Engine
9 app.engine('handlebars',handlebars({defaultLayout: 'main'}))
10 app.set('view engine','handlebars')
11
12 //conexão com o banco de dados
13 const Sequelize = require('sequelize')
14 const sequelize = new Sequelize('test','root','',{
15     host: "localhost",
16     dialect: 'mysql'
17 })
18
19 // Rotas
20 app.get('/cad',function(req,res){
21     res.send('ROTA DE CADASTRO DE POSTS')
22 })
23
24
25 app.listen(8081,function(){
26     console.log("Servidor rodando na url http://localhost:8081")
```

PROBLEMS   TERMINAL   OUTPUT   DEBUG CONSOLE   PORTS

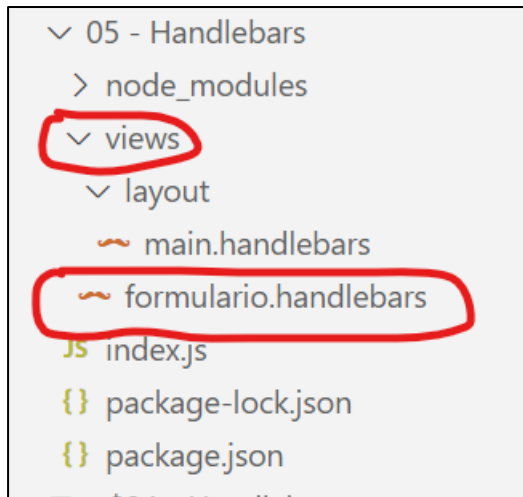
```
//configuração do handlebars
// Template Engine
app.engine('handlebars',handlebars.engine({defaultLayout: 'main'}))
app.set('view engine','handlebars')

//conexão com o banco de dados
const Sequelize = require('sequelize')
const sequelize = new Sequelize('test','root','',{
  host: "localhost",
  dialect: 'mysql'
})
```

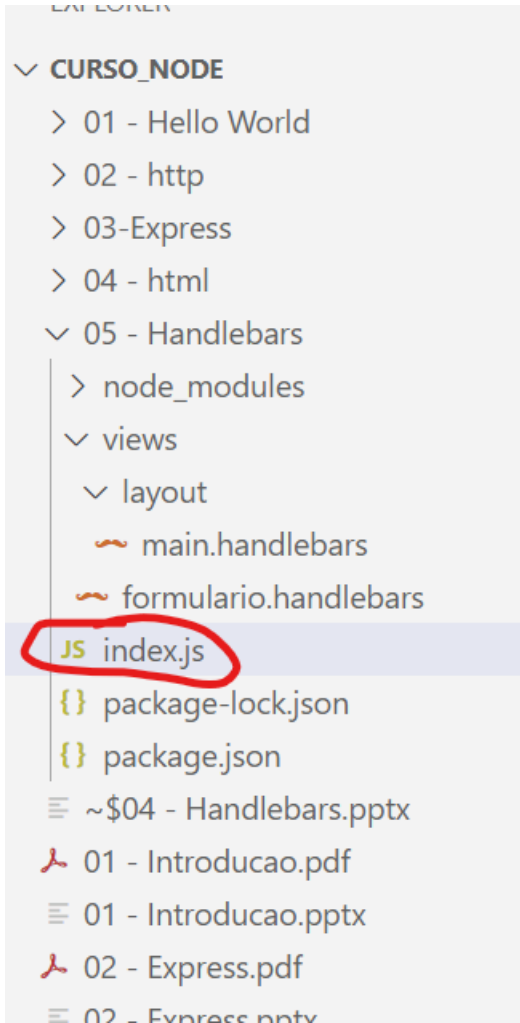




- Dentro da pasta **views** crie um arquivo chamado **formulario.handlebars**

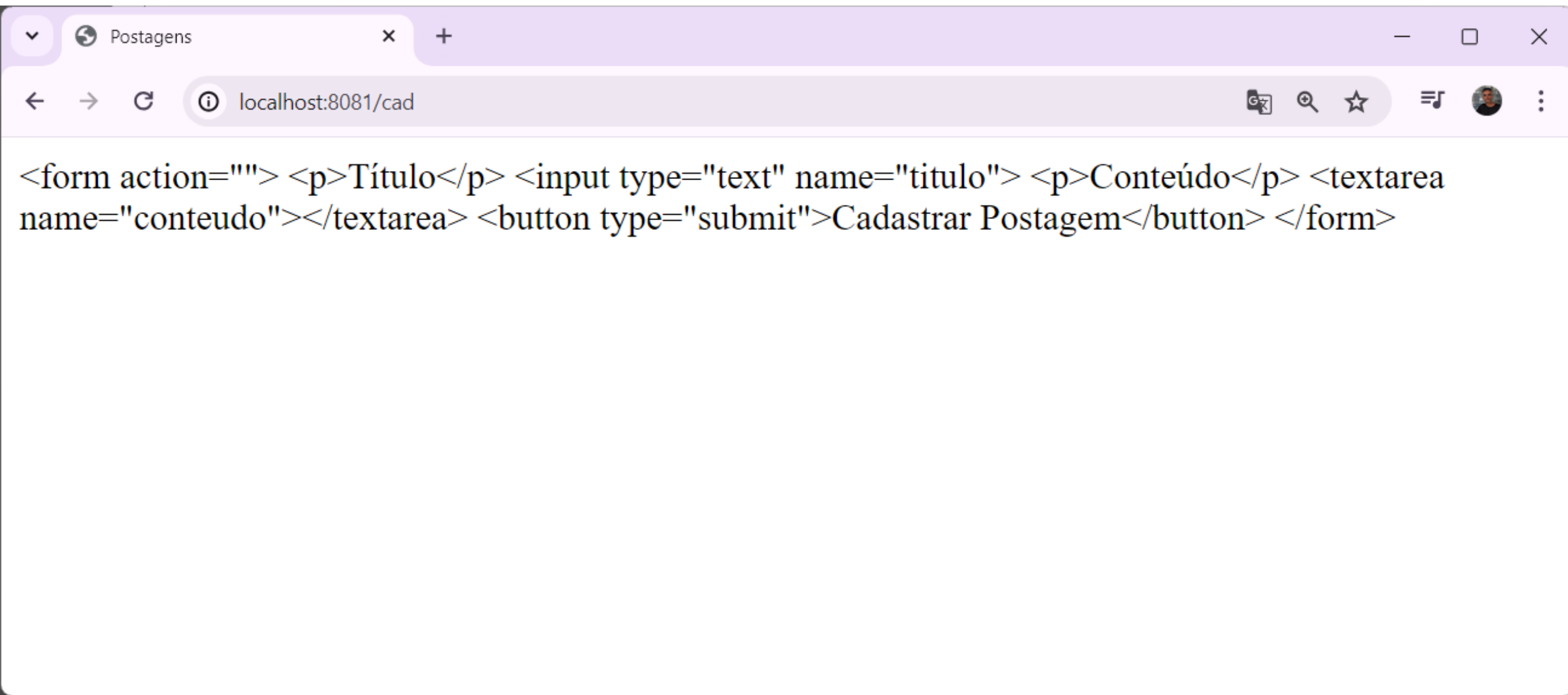






```
-- index.js
05 - Handlebars > JS index.js > ...

12 //conexão com o banco de dados
13 const Sequelize = require('sequelize')
14 const sequelize = new Sequelize('test','root','',{
15     host: "localhost",
16     dialect: 'mysql'
17 })
18
19 // Rotas
20 app.get('/cad',function(req,res){
21     res.render('formulario')
22 })
23
24
25 app.listen(8081,function(){
26     console.log("Servidor rodando na url http://localhost:8081")
27 })
```



EXPLORER

...

05 - Handlebars > views > layouts > main.handlebars > html

01 - Hello World

02 - http

03-Express

04 - html

05 - Handlebars

node\_modules

views

layouts

main.handlebars

formulario.handlebars

index.js

package-lock.json

package.json

index.js

formulario.handlebars

main.handlebars X

05 - Handlebars > views > layouts > main.handlebars > html

1<!DOCTYPE html>

2<html lang="en">

3<head>

4<meta charset="UTF-8">

5<meta name="viewport" content="width=device-width, initial-scale=1.0">

6<title>Postagens</title>

7</head>

8<body>

9{{body}}

10</body>

11</html>

← {{{...}}}

}x

Postagens

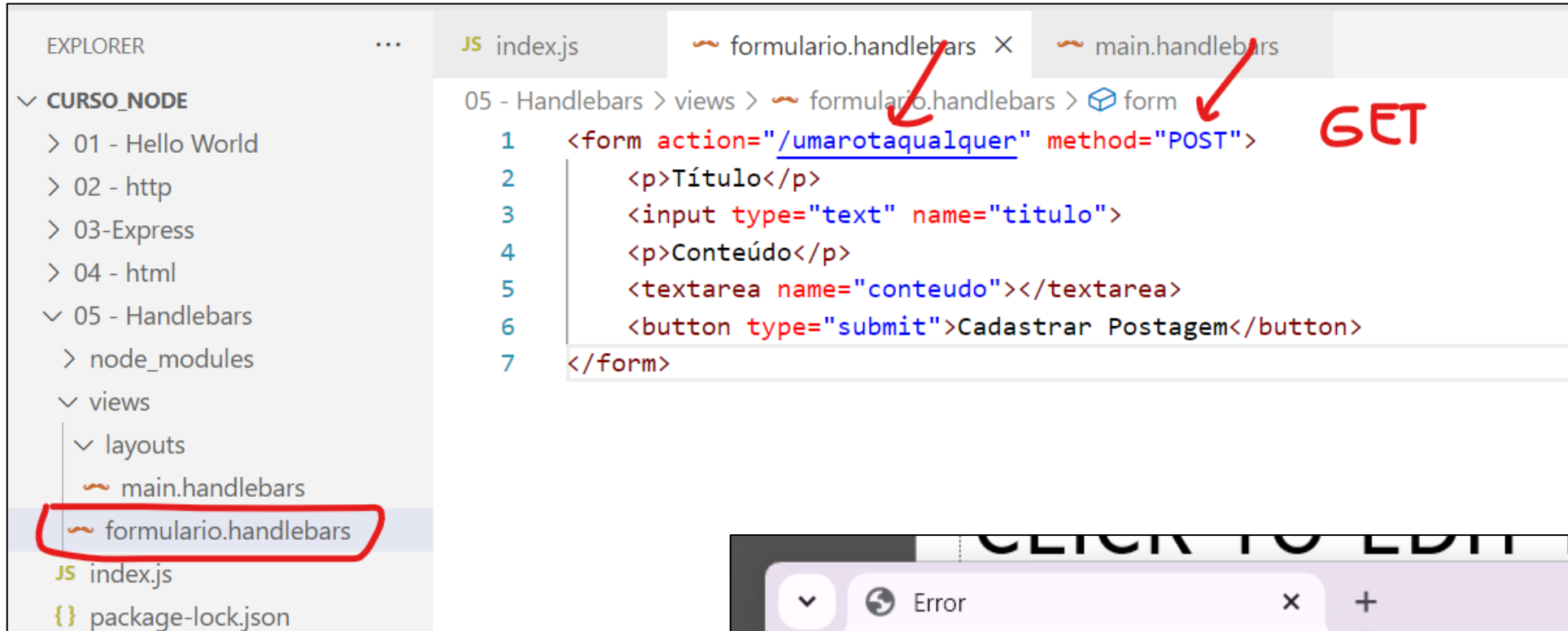
localhost:8081/cad

Título

Conteúdo

Cadastrar Postagem

# ENVIAR DADOS DO FORMULARIO



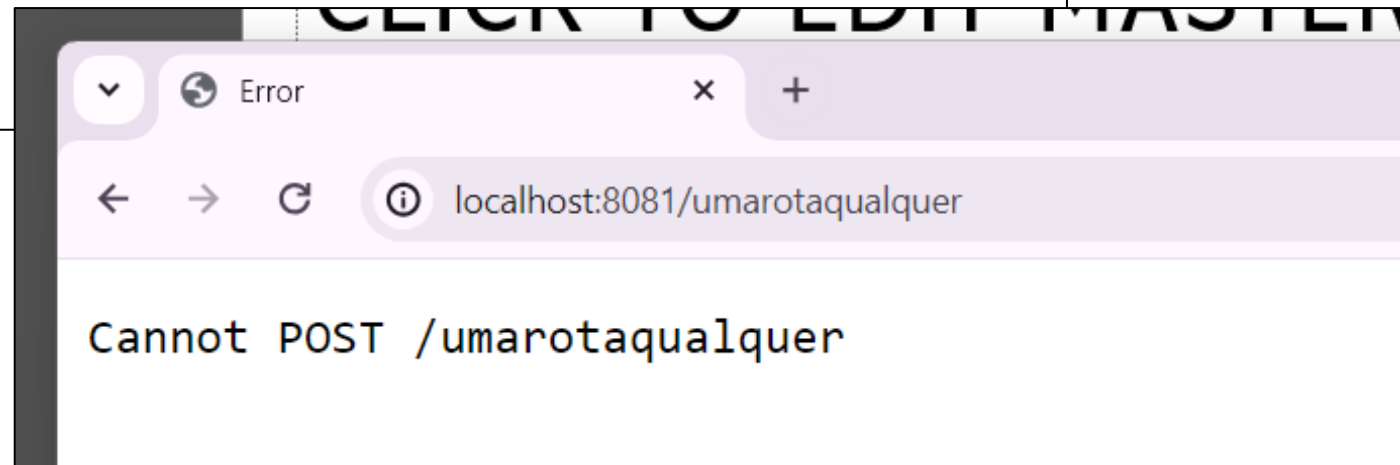
EXPLORER

- CURSO\_NODE
  - 01 - Hello World
  - 02 - http
  - 03-Express
  - 04 - html
  - 05 - Handlebars
    - node\_modules
    - views
      - layouts
        - main.handlebars
        - formulario.handlebars
  - index.js
  - package-lock.json

05 - Handlebars > views > formulario.handlebars > form

```
1 <form action="/umarotaqualquer" method="POST">
2   <p>Título</p>
3   <input type="text" name="titulo">
4   <p>Conteúdo</p>
5   <textarea name="conteudo"></textarea>
6   <button type="submit">Cadastrar Postagem</button>
7 </form>
```

GET



JS index.js



formulario.handlebars



main.handlebars

05 - Handlebars > JS index.js > ...

```
14   const sequelize = new Sequelize('test','root','',{
15     |   host: "localhost",
16     |   dialect: 'mysql'
17   })
18
19   // Rotas
20   app.get('/cad',function(req,res){
21     |   res.render('formulario')
22   })
23
24   app.get('/add',function(req,res){
25     |   res.send('FORMULÁRIO RECEBIDO')
26   })
27
28
29   app.listen(8081,function(){
30     |   console.log("Servidor rodando na url http://localhost:8081")
31   })
```



JS index.js

formulario.handlebars X

main.handlebars

05 - Handlebars > views > formulario.handlebars > form

```
1 <form action="/add" method="POST">
2   <p>Título</p>
3   <input type="text" name="titulo">
4   <p>Conteúdo</p>
5   <textarea name="conteudo"></textarea>
6   <button type="submit">Cadastrar Postagem</button>
7 </form>
```

Postagens

localhost:8081/cad

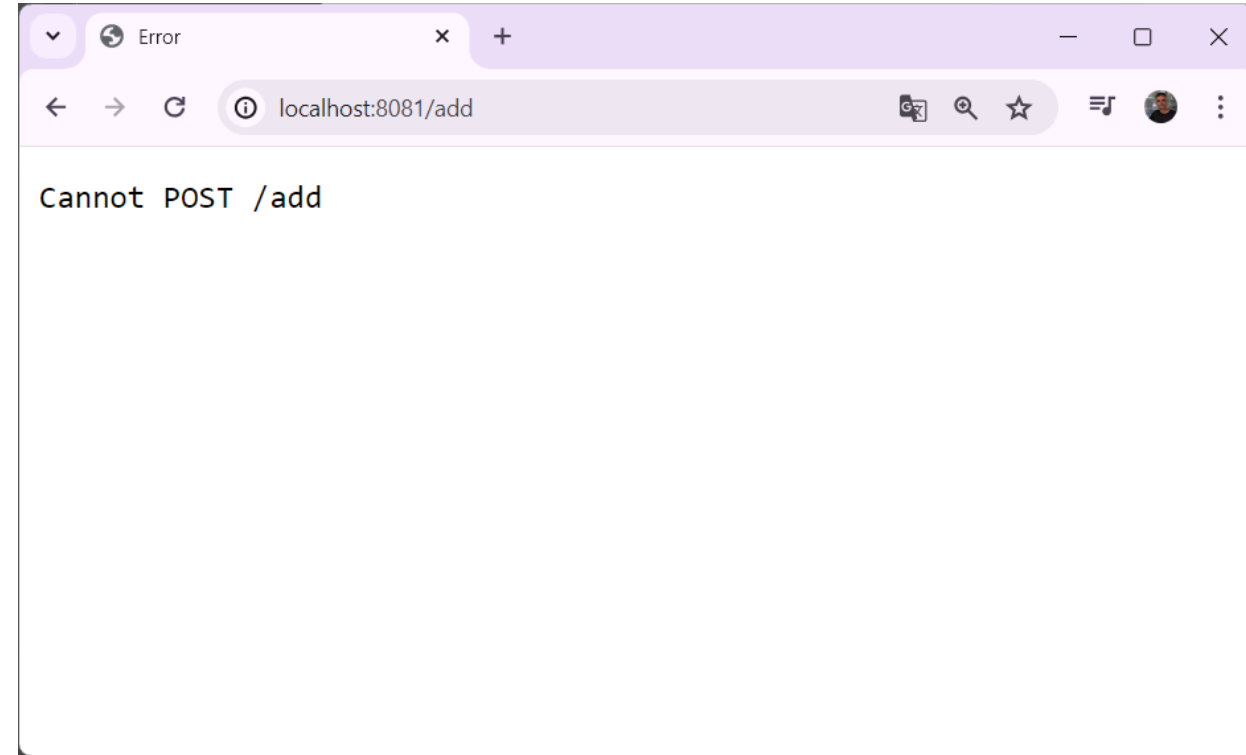
Título

Oiee

Conteúdo

djfhdsfahdf

Cadastrar Postagem



```
8
9 // Rotas
0   app.get('/cad',function(req,res){
1       res.render('formulario')
2   })
3
4   app.post('/add',function(req,res){
5       res.send('FORMULÁRIO RECEBIDO')
6   })
7
8
9 app.listen(8081,function(){
```



Postagens

localhost:8081/cad

Título

Oiee

Conteúdo

djfhdsfahdf

Cadastrar Postagem

localhost:8081/add

FORMULÁRIO RECEBIDO

# BODY PARSER

- Utilitário que serve para receber dados dentro do Express
- `npm install --save body-parser`

```
C:\Users\Anderson\Desktop\2024 - ETEC\Curso_Node\05 - Handlebars>npm install --save body-parser

up to date, audited 145 packages in 656ms

27 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

C:\Users\Anderson\Desktop\2024 - ETEC\Curso_Node\05 - Handlebars>
```

JS index.js



formulario.handlebars



main.handlebars

05 - Handlebars > JS index.js > [🔗] sequelize

```
1  const express = require('express')
2  const app = express()
3  const handlebars = require('express-handlebars')
4  const bodyParser = require('body-parser')
5  const Sequelize = require('sequelize')
6
7
8  //configuração
9      // Template Engine
10     app.engine('handlebars', handlebars.engine({defaultLayout: 'main'}))
11     app.set('view engine', 'handlebars')
12
13     // Body Parser
14     app.use(bodyParser.urlencoded({extended: false}))
15     app.use(bodyParser.json())
16
17     //conexão com o banco de dados
18
19     ⚡ const sequelize = new Sequelize('test', 'root', '', {
20         host: "localhost",
21         dialect: 'mysql'
22     })
23
```



JS index.js



formulario.handlebars

main.handlebars

05 - Handlebars > JS index.js > ...

```
14 app.use(bodyParser.urlencoded({extended: false}))
15 app.use(bodyParser.json())
```

16

```
17 //conexão com o banco de dados
```

18

```
19 const sequelize = new Sequelize('test','root','',{
20   |   host: "localhost",
21   |   dialect: 'mysql'
22   | })
23
```

```
24 // Rotas
```

```
25 app.get('/cad',function(req,res){
26   |   res.render('formulario')
27   | })
28
```

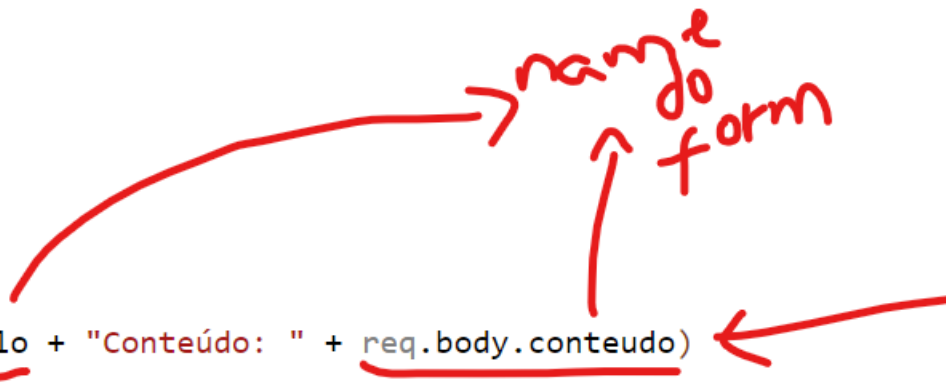
```
29 app.post('/add',function(req,res){
30   |   // res.send('FORMULÁRIO RECEBIDO')
31   |   res.send("Texto: " + req.body.titulo + "Conteúdo: " + req.body.conteudo)
32   | })
33
```

```
34
35 app.listen(8081,function(){
36
```

37

```
    console.log("Servidor rodando na url http://localhost:8081")
38
```

name  
do  
form



Postagens

localhost:8081/cad

Título

Primeiro Post

Conteúdo

Blablablabla

Cadastrar Postagem

localhost:8081/add

localhost:8081/add

Texto: Primeiro PostConteúdo: Blablablabla