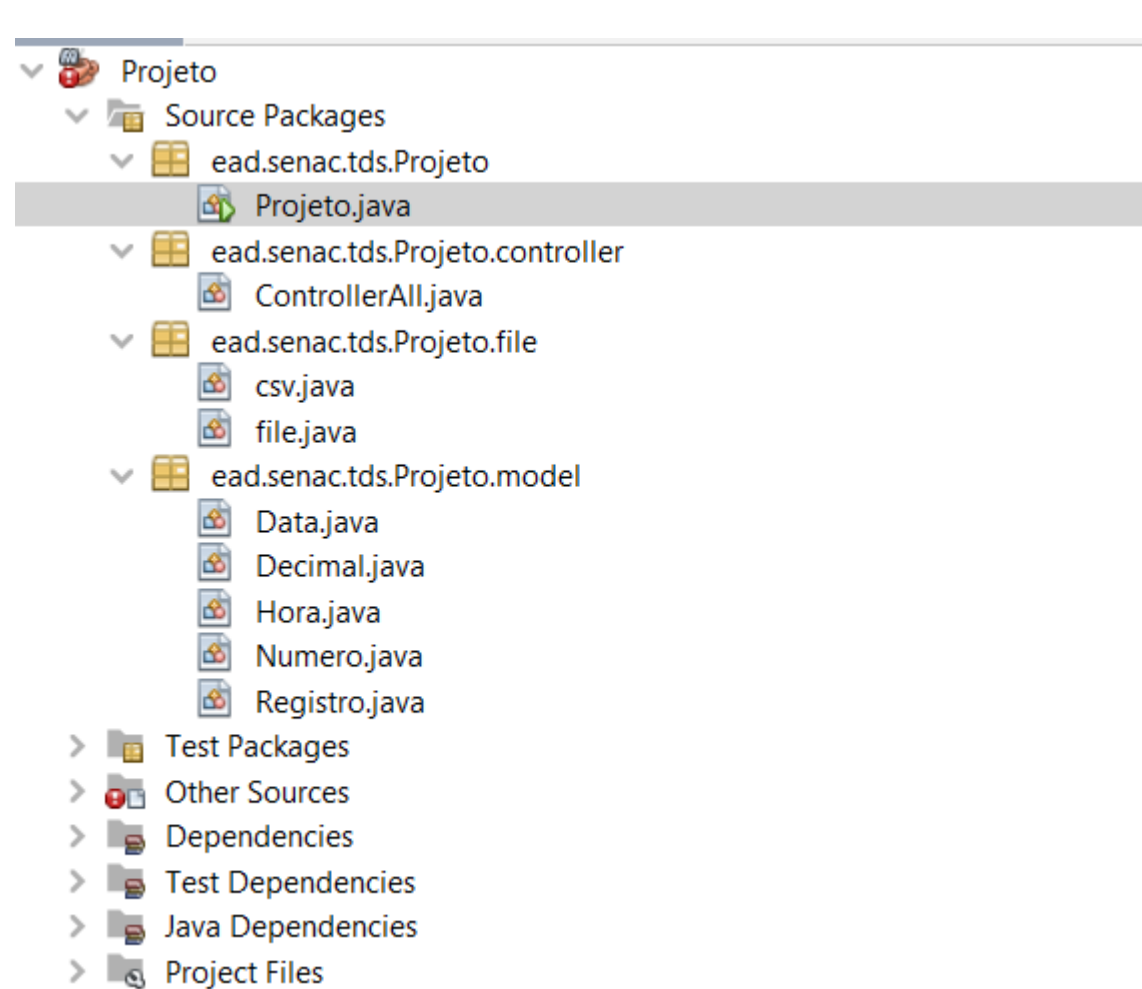




**SPRING**  
Framework

SPRING Framework



**package ead.senac.tds.Projeto;**

**import ead.senac.tds.Projeto.model.Data;**

**import ead.senac.tds.Projeto.model.Registro;**

**import org.springframework.boot.SpringApplication;**

**import org.springframework.boot.autoconfigure.SpringBootApplication;**

**@SpringBootApplication**

**public class Projeto {**

**public static void main(String[] args) {**

**SpringApplication.run(Projeto.class, args);**

**System.out.println();**

**System.out.println(new Data().DataCompleta());**

**System.out.println(Registro.Day("Realização:\t[", "] ("", ")"));**

**System.out.print("Link:");**

**System.out.print("\t\t(");**

**System.out.print(Registro.Host("index"));**

**System.out.println(")");**

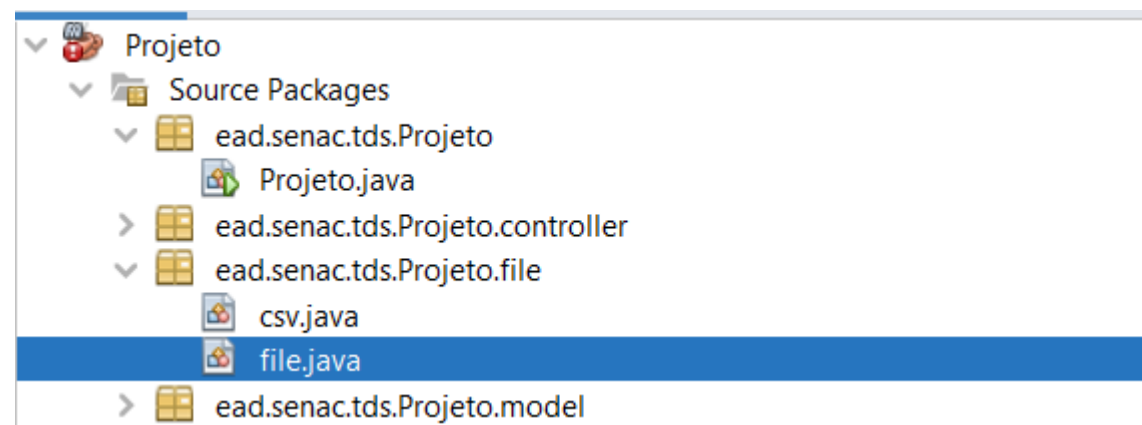
**System.out.println();**

**System.out.println("Acesso pelo:");**

**System.out.println(Registro.host);**

}

}



```
package ead.senac.tds.Projeto.file;
```

```
import java.io.File;  
import java.io.FileWriter;  
import java.io.IOException;  
import java.util.ArrayList;  
import java.util.List;  
import java.util.Scanner;
```

```
/**  
*  
* @author josue  
*/
```

```
public class file {
```

```
private String opner;
```

```
private ArrayList<String> text = new ArrayList<>();
```

```
private ArrayList<String> tema = new ArrayList<>();
```

```
public file(String arq){
```

```
    this.opner = arq;
```

```
    try{
```

```
        File menu = new File(this.opner);
```

```
        if(menu.createNewFile()){
```

```
            System.out.println("Arquivo: \"\" + arq + "\" criado!");
```

```
        }/* else {
```

```
System.out.println("\'" + arq + "\'");
```

```
}/*if(menu.createNewFile())*/
```

```
Scanner reading = new Scanner(menu);
```

```
while (reading.hasNextLine()){
```

```
String data = reading.nextLine();
```

```
this.text.add(data);
```

```
}
```

```
}catch(IOException evt){
```

```
System.out.println(evt);
```

```
}
```

```
}//Files
```

```
public void Write(String insert){
```

```
    text.clear();
```

```
    try{
```

```
        File menu = new File(opner);
```

```
        Scanner reading = new Scanner(menu);
```

```
        while (reading.hasNextLine()){
```

```
            text.add(reading.nextLine());
```

```
        }
```

```
        try (FileWriter dir = new FileWriter(opner)) {
```

```
            if(!text.isEmpty()){
```



```
for(int i = 0; i < text.size(); i++){
```

```
    dir.write(text.get(i) + "\n");
```

```
}//for(int i = 0; i < text.size(); i++)
```

```
}//if(!text.isEmpty())
```

```
    dir.write(insert);
```

```
}
```

```
this.text.add(insert);
```

```
}catch(IOException evt){
```

```
    System.out.println(evt);
```

```
}
```

```
this.tema.clear();
```

```
}//Write(String insert)
```

```
public void WriteAll(List<String> insert){
```

```
    this.text.clear();
```

```
    this.tema.clear();
```

```
    try{
```

```
        File menu = new File(opner);
```

```
        Scanner reading = new Scanner(menu);
```

```
        while (reading.hasNextLine()){
```

```
            this.text.add(reading.nextLine());
```

```
        }
```

```
        try (FileWriter dir = new FileWriter(opner)) {
```

```
if(!this.text.isEmpty()){
```

```
    for(int i = 0; i < this.text.size(); i++){
```

```
        dir.write(this.text.get(i) + "\n");
```

```
    }//for(int i = 0; i < text.size(); i++)
```

```
}//if(!text.isEmpty())
```

```
for(int x = 0; x < insert.size(); x++) {
```

```
    this.text.add(insert.get(x));
```

```
    if(x > 0){
```

```
        dir.write("\n");
```

```
    }//if(x < insert.length-1)
```

```
    dir.write(insert.get(x));
```

```
    }//(String e : insert)
```

```
}
```

```
}catch(IOException evt){
```

```
    System.out.println(evt);
```

```
}
```

```
}//WriteAll(List<String> insert)
```

```
public void WriteAll(String[] insert){
```

```
    this.text.clear();
```

```
    this.tema.clear();
```

```
    try{
```

```
        File menu = new File(opner);
```

```
Scanner reading = new Scanner(menu);  
  
while (reading.hasNextLine()){  
  
    this.text.add(reading.nextLine());  
  
}  
  
try (FileWriter dir = new FileWriter(opner)) {  
  
    if(!this.text.isEmpty()){  
  
        for(int i = 0; i < this.text.size(); i++){  
  
            dir.write(this.text.get(i) + "\n");  
  
        //for(int i = 0; i < text.size(); i++)  
  
    //if(!text.isEmpty())
```

```
for(int x = 0; x < insert.length; x++) {
```

```
    this.text.add(insert[x]);
```

```
    if(x > 0){
```

```
        dir.write("\n");
```

```
    }//if(x < insert.length-1)
```

```
    dir.write(insert[x]);
```

```
    }//(String e : insert)
```

```
}
```

```
}catch(IOException evt){
```

```
    System.out.println(evt);
```

```
}
```

```
}//WriteAll(String[] insert)
```

```
public void Delete(int op){
```

```
try{
```

```
text.clear();
```

```
tema.clear();
```

```
int i = 0;
```

```
int x = 0;
```

```
File menu = new File(opner);
```

```
Scanner reading = new Scanner(menu);
```

```
while (reading.hasNextLine()){
```

```
tema.add(reading.nextLine());
```

```
}//while (reading.hasNextLine())
```

```
FileWriter dir = new FileWriter(opner);
```

```
do{
```

```
    if(x != op){
```

```
        if(i > 0){
```

```
            dir.write("\n");
```

```
        }
```

```
        dir.write(tema.get(x));
```

```
        text.add(tema.get(x));
```

```
        i++;
```

```
    }
```



**x++;**

**}while(x < tema.size());**

**dir.close();**

**tema.clear();**

**}catch(IOException evt){**

**System.out.println(evt);**

**}**

**}//public void Delete(int op)**

**public void Modify(int op, String txt){**

**try{**

**text.clear();**

**tema.clear();**

```
//int i = 0;
```

```
int x = 0;
```

```
File menu = new File(opner);
```

```
Scanner reading = new Scanner(menu);
```

```
while (reading.hasNextLine()){
```

```
    tema.add(reading.nextLine());
```

```
}//while (reading.hasNextLine())
```

```
FileWriter dir = new FileWriter(opner);
```

```
do{
```

```
    if(x > 0){
```

```
        dir.write("\n");
```

```
}
```

```
if(x == op){
```

```
    dir.write(txt);
```

```
    text.add(txt);
```

```
} else {
```

```
    dir.write(tema.get(x));
```

```
    text.add(tema.get(x));
```

```
}
```

```
x++;
```

```
}while(x < tema.size());
```

```
dir.close();
```

```
tema.clear();
```

```
}catch(IOException evt){
```

```
    System.out.println(evt);
```

```
}
```

```
}//public void Delete(int op)
```

```
public int Max(){
```

```
    if(text.isEmpty()){
```

```
        return -1;
```

```
    } else {
```

```
        return text.size();
```

```
}
```

```
}//Max()
```

```
public String getLine(int j){
```

```
String line = "invalid";
```

```
if(j >= 0 && j < this.Max()){
```

```
line = this.text.get(j);
```

```
}//if(j >= 0 && j < this.Max())
```

```
return line;
```

```
}//String getLine(int j)
```

```
public void Clear(){
```

```
try{
```

```
text.clear();
```

```
FileWriter dir = new FileWriter(opner);
```

```
dir.write("");
```

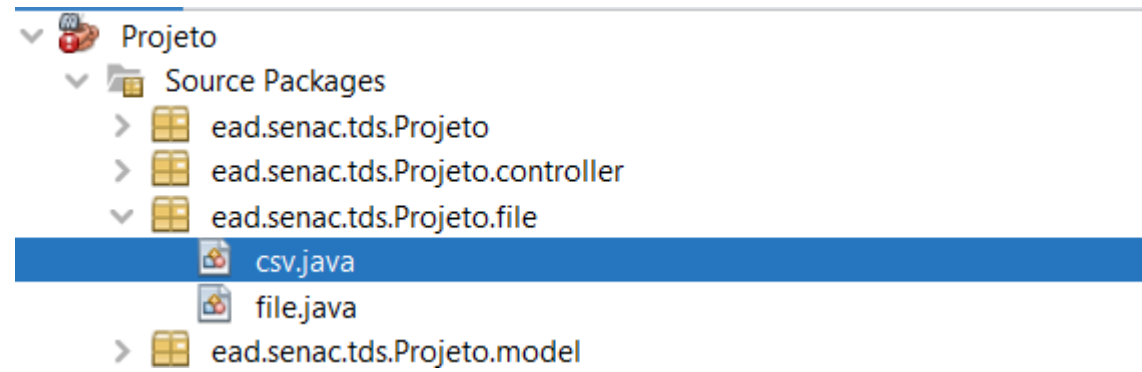
```
}catch(IOException evt){
```

```
System.out.println(evt);
```

```
}
```

```
//Clear()
```

```
//Class
```



```
package ead.senac.tds.Projeto.file;
```

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```
/**
```

```
*
```

```
* @author josue
```

```
*/
```

```
public class csv extends file{
```

```
    private String jon;
```

```
    private char separator;
```

```
private ArrayList<String> text = new ArrayList();
```

```
public csv(String title){
```

```
    super(title + ".csv");
```

```
    this.jon = ":";
```

```
    this.separator = ':';
```

```
}//csv(String title)
```

```
public csv(char separator, String title){
```

```
    super(title + ".csv");
```

```
    switch(separator){
```

```
        case ' ':
```

```
        case '\n':
```

```
        case ',':
```

```
        case '.':
```



```
this.jon = ":";  
this.separator = ' ';  
break;
```

```
default:  
this.jon = "" + separator;  
this.separator = separator;  
break;
```

```
}//switch(separator)
```

```
}//csv(char separator, String title)
```

```
public void Insert(String [] data){
```

```
String txt = "";
```

```
for(int i = 0; i < data.length; i++){
```

```
if(i > 0){
```

```
txt += this.jon;
```

```
//if(i > 0)
```

```
txt += data[i].replaceAll(this.jon, " ");
```

```
//for(int i = 0; i < data.length; i++)
```

```
super.Write(txt);
```

```
//Insert(String [] data)
```

```
public void Insert(List<String> data){
```

```
String txt = "";
```

```
for(int i = 0; i < data.size(); i++){
```

```
if(i > 0){
```

```
txt += this.jon;
```

```
}//if(i > 0)
```

```
txt += data.get(i).replaceAll(this.jon, " ");
```

```
}//for(int i = 0; i < data.length; i++)
```

```
super.Write(txt);
```

```
}//Insert(String [] data)
```

```
public void InsertAll(String[] txt){
```

```
String date = "";
```

```
for(int x = 0; x < txt.length; x++){
```

```
if(x > 0){
```

```
date += this.separator;
```

```
}
```

```
    date += txt[x];
```

```
//for(int x = 0; x < txt.length; x++)
```

```
this.text.add(date);
```

```
//InsertAll(String[] txt)
```

```
public void InsertAll(List<String> txt){
```

```
    String date = "";
```

```
    for(int x = 0; x < txt.size(); x++){
```

```
        if(x > 0){
```

```
            date += this.separator;
```

```
}
```

```
date += txt.get(x);
```

```
//for(int x = 0; x < txt.length; x++)
```

```
this.text.add(date);
```

```
//InsertAll(List<String> txt)
```

```
public void InsertAll(){
```

```
String[] txt = new String[this.text.size()];
```

```
for(int x = 0; x < text.size(); x++){
```

```
txt[x] = text.get(x);
```

```
//for(int x = 0; x < text.size(); x++)
```

```
super.WriteAll(txt);
```

```
this.text.clear();
```

```
}//Add(String txt)
```

```
public void Remove(int num){
```

```
if(num >= 0 && num < super.Max() && super.Max() >= 0){
```

```
    super.Delete(num);
```

```
}
```

```
}//Remove(int num)
```

```
public void Reply(int num, String [] data){
```

```
String txt = "";
```

```
if(num >= 0 && num < super.Max() && super.Max() >= 0){
```

```
    for(int i = 0; i < data.length; i++){
```

```
if(i > 0){
```

```
txt += this.jon;
```

```
}//if(i > 0)
```

```
txt += data[i].replaceAll(this.jon, " ");
```

```
}//for(int i = 0; i < data.length; i++)
```

```
}//if(num >= 0 && num < super.Max() && super.Max() >= 0)
```

```
super.Modify(num, txt);
```

```
}//Reply(int num, String [] data)
```

```
public void Reply(int num, List<String> data){
```

```
String txt = "";
```

```
if(num >= 0 && num < super.Max() && super.Max() >= 0){
```

```
for(int i = 0; i < data.size(); i++){
```

```
if(i > 0){
```

```
txt += this.jon;
```

```
}//if(i > 0)
```

```
txt += data.get(i).replaceAll(this.jon, " ");
```

```
}//for(int i = 0; i < data.length; i++)
```

```
}//if(num >= 0 && num < super.Max() && super.Max() >= 0)
```

```
super.Modify(num, txt);
```

```
}//Reply(int num, List<String> data)
```

```
public int Tot(int num){
```



```
int numb = -1;
```

```
if(num >= 0 && num < super.Max()){
```

```
    numb = super.getLine(num).split(this.jon).length;
```

```
}
```

```
return numb;
```

```
}
```

```
public int Tot(){
```

```
    return super.Max();
```

```
}//Tot()
```

```
public String Read(int line, int col){
```

```
String txt = "";
```

```
int sum = 0;
```

```
if(line < super.Max()){
```

```
String [] text = new String[super.getLine(line).split(this.jon).length];
```

```
for(int i = 0; i < super.getLine(line).length(); i++){
```

```
if(super.getLine(line).charAt(i) == this.separator){
```

```
sum++;
```

```
} else {
```

```
text[sum] += super.getLine(line).charAt(i);
```

```
//if(super.getLine(line).charAt(i) == this.separator)
```

```
//for(int i = 0; i < super.getLine(line).length(); i++)
```

```
if(col < text.length){
```

```
    if(text[col] != null){
```

```
        txt = text[col].replace("null","");
```

```
    }//if(text[col] != null)
```

```
}//if(col < text.length)
```

```
}//if(line < super.Max())
```

```
return txt;
```

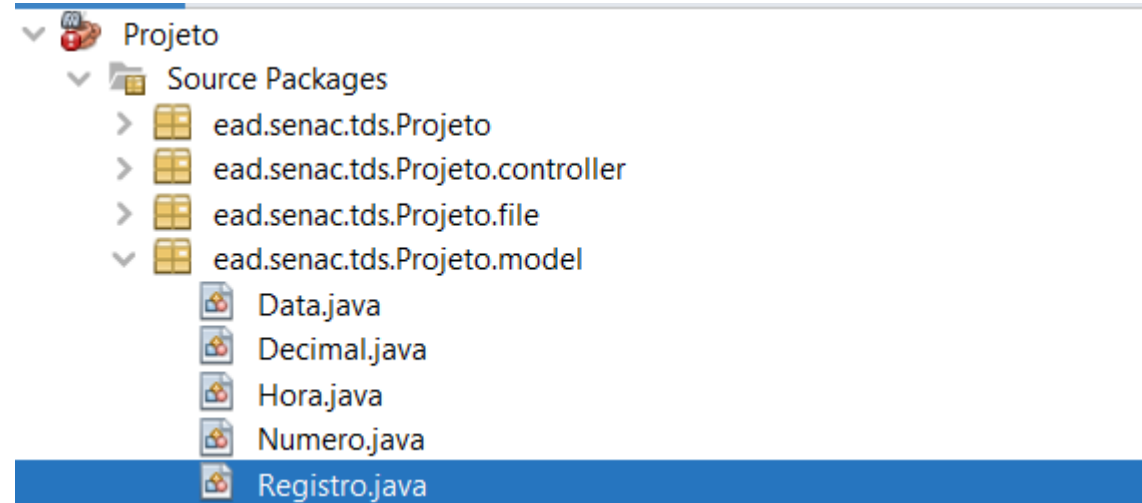
```
//Read()
```

```
public void Truncate(){
```

```
    super.Clear();
```

**}//Truncate()**

**}//Class**



```
package ead.senac.tds.Projeto.model;
```

```
import java.time.LocalDate;
```

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```
/**
```

```
*
```

```
* @author josue
```

```
*/
```

```
public class Registro {
```

```
public static LocalDate day = LocalDate.of(2024, 11, 18);
```

```
public static String host = "http://localhost:8080/";
```

```
public static String Day(String inicio, String meio, String fim){
```

```
    String txt = inicio;
```

```
    txt += new Data(Registro.day).DataAbreviada();
```

```
    txt += meio;
```

```
    txt += new Data(Registro.day).DataLinha(true);
```

```
    txt += fim;
```

```
    return txt;
```

```
}//Day(String separator)
```

```
public static String Day(String inicio, String meio){
```

```
    String txt = inicio;
```

```
    txt += new Data(Registro.day).DataAbreviada();
```

```
    txt += meio;
```

```
    txt += new Data(Registro.day).DataLinha(true);
```

```
return txt;
```

```
}//Day(String separator)
```

```
public static String Day(String separator){
```

```
String txt = new Data(Registro.day).DataAbreviada();
```

```
txt += separator;
```

```
txt += new Data(Registro.day).DataLinha(true);
```

```
return txt;
```

```
}//Day(String separator)
```

```
public static String Host(String local){
```

```
String txt = Registro.host;
```

```
boolean barra = false;
```

```
boolean space = false;
```

```
for(int i = 0; i < local.length(); i++){  
  
    char ds = local.charAt(i);  
  
    switch(ds){  
  
        case '/' ->  
  
            if(barra){  
  
                txt += "/";  
  
            } else {//if(barra)  
  
                barra = true;  
  
            }//if(barra)  
  
        }//case '/'
```



```
case '\\' ->{
```

```
    if(barra){
```

```
        txt += "/";
```

```
    } else {//if(barra)
```

```
        barra = true;
```

```
    }//if(barra)
```

```
}//case '\\'
```

```
case '|' ->{
```

```
    if(barra){
```

```
        txt += "/";
```

```
    } else {//if(barra)
```

**barra = true;**

**}//if(barra)**

**}//case '|'**

**case ' ' ->**

**if(space){**

**txt += "+";**

**space = false;**

**}//if(space)**

**}//case ' '**

**default ->**

**txt += ds;**

**space = true;**

**}//default**

**}//switch(ds)**

**}//for(int i = 0; i < local.length(); i++)**

**return txt;**

**}//Host(String local)**

**public static String Title(String text){**

**boolean ifo = false;**

**String txt = "";**

**String document\_text[] = text.split(" ");**

**List<String> document = new ArrayList<>();**

```
for(String ds : document_text){  
  
    String table = ds.replaceAll("\\\"", "\"").replaceAll("\'\"", "'");  
  
    if(table.contains("/")){  
  
        String inline[] = table.split("/");  
  
        for(String ins : inline){  
  
            if(!ins.isBlank()){  
  
                document.add(ins);  
  
            //if(!ins.isBlank())  
  
        //for(String ins : inline)  
  
    } else if(table.contains("&")){
```

```
String inline[] = table.split("&");
```

```
for(String ins : inline){
```

```
    if(!ins.isBlank()){
```

```
        document.add(ins);
```

```
    }//if(!ins.isBlank())
```

```
}//for(String ins : inline)
```

```
} else if(table.contains("-")){
```

```
String inline[] = table.split("-");
```

```
for(String ins : inline){
```

```
    if(!ins.isBlank()){
```

```
        document.add(ins);
```

```
}//if(!ins.isBlank())
```

```
}//for(String ins : inline)
```

```
} else if(table.contains("_")){
```

```
String inline[] = table.split("_");
```

```
for(String ins : inline){
```

```
if(!ins.isBlank()){
```

```
document.add(ins);
```

```
}//if(!ins.isBlank())
```

```
}//for(String ins : inline)
```

```
} else if(table.contains("&")){
```

```
String inline[] = table.split("&");  
  
for(String ins : inline){  
  
    if(!ins.isBlank()){  
  
        document.add(ins);  
  
        //if(!ins.isBlank())  
  
    //for(String ins : inline)  
  
} else if(table.length() > 0){  
  
    document.add(table);  
  
    //if(ds.length() > 0)  
  
//for(String ds : document_text)  
  
for(int x = 0; x < document.size(); x++){
```

```
boolean select;
```

```
if(x == 0){
```

```
    select = true;
```

```
} else {//if(x == 0)
```

```
    txt += " ";
```

```
    switch(document.get(x).toLowerCase()){
```

```
        case "se":
```

```
        case "no":
```

```
        case "na":
```

```
        case "do":
```

```
        case "de":
```

```
        case "da":
```

```
        case "dos":
```

```
        case "das":
```



**case "nós":**

**case "nos":**

**case "nas":**

**case "aos":**

**case "ao":**

**case "os":**

**case "as":**

**case "ás":**

**case "às":**

**txt += document.get(x).toLowerCase();**

**select = false;**

**break;**

**default:**

**select = true;**

**break;**

**}//switch(document.get(x).toLowerCase())**

**}//if(x == 0)**

```
if(document.get(x).contains("[") || document.get(x).contains("(") || document.get(x).contains("{")){
```

```
txt += "[";
```

```
ifo = true;
```

```
}
```

```
//select == true;
```

```
if(ifo){
```

```
String dote = "";
```

```
for(int p = 0; p < document.get(x).length(); p++){
```

```
switch(document.get(x).charAt(p)){
```

```
case '[':
```

```
case '(':
```

```
case '{':
```

**case ']':**

**case ')':**

**case '}':**

**break;**

**default:**

**dote += document.get(x).charAt(p);**

**break;**

**}**

**}//for(int p = 0; p < document.get(x).length(); p++)**

**txt += dote.toUpperCase();**

**} else if(select){//if(ifo)**

**switch(document.get(x).length()){**

**case 1 ->{**

```
if(x == 0){  
    txt += document.get(x).toUpperCase();  
} else {  
    txt += document.get(x).toLowerCase();  
}
```

```
}//case 1
```

```
default ->{
```

```
    for(int y = 0; y < document.get(x).length(); y++){
```

```
        String dg = document.get(x).charAt(y) + "";
```

```
        if(y == 0){  
            txt += dg.toUpperCase();  
        } else {  
            txt += dg.toLowerCase();  
        }
```

```
}//for(int i = 0; i < ds.length(); i++)
```

```
}//default
```

```
}//switch(ds.length())
```

```
}//for(String ds : document)
```

```
}//if(select)
```

```
if(ifo){  
    txt += "];"  
}
```

```
return txt;
```

```
}//Title(String text)
```

```
public static String Select(String text, String opc, int max){
```

```
    boolean word_null = true;  
    int letter = 0;
```

```
String txt = "";
```

```
String space[] = text.split(" ");
```

```
List<String> doc = new ArrayList<>();
```

```
for(String sp : space){if(sp.length() > 1){doc.add(sp);}}
```

```
for(int i = 0; i < doc.size(); i++){
```

```
    letter = letter + doc.get(i).length();
```

```
    if(i > 0){  
        txt += " ";  
    }
```

```
    if(letter <= max){
```

```
        txt += doc.get(i);  
        word_null = false;
```

```
} else if(word_null){//if(letter <= max)
```

```
int dig = max - letter;
```

```
txt += doc.get(i).substring(0, dig);
```

```
txt += "...";
```

```
break;
```

```
} else {//if(letter <= max)
```

```
txt += "...";
```

```
break;
```

```
//if(letter <= max)
```

```
//for(int i = 0; i < doc.size(); i++)
```

```
if(text.trim().isBlank()){
```

```
    return opc.trim();
```

```
} else {
```

```
    return txt;  
}
```

```
}//Select(String text, String opc, int max)
```

```
public static String Select(String text, int max){
```

```
    boolean word_null = true;  
    int letter = 0;
```

```
    String txt = "";
```

```
    String space[] = text.split(" ");
```

```
    List<String> doc = new ArrayList<>();
```

```
    for(String sp : space){if(!sp.isBlank()){doc.add(sp);}}
```

```
    for(int i = 0; i < doc.size(); i++){
```

```
        letter = letter + doc.get(i).length();
```



```
if(letter <= max){
```

```
    if(i > 0){txt += " ";}
```

```
    txt += doc.get(i);
```

```
    word_null = false;
```

```
} else if(word_null){//if(letter <= max)
```

```
    int dig = max - letter;
```

```
    txt += doc.get(i).substring(0, dig);
```

```
    txt += "...";
```

```
    break;
```

```
} else {//if(letter <= max)
```

```
    txt += "...";
```

```
    break;
```

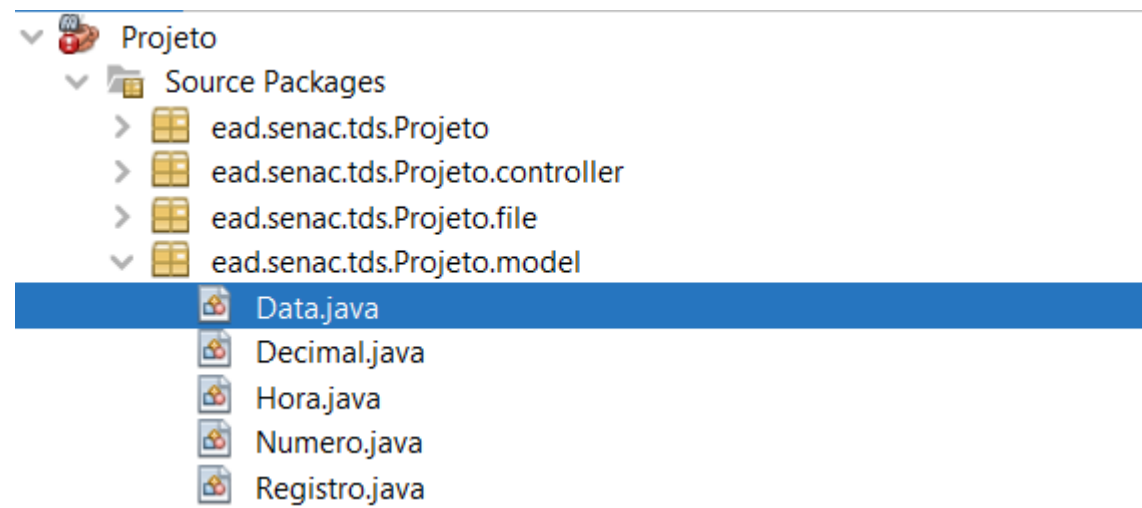
```
}//if(letter <= max)
```

```
}//for(int i = 0; i < doc.size(); i++)
```

```
return txt;
```

```
}//Select(String text, int max)
```

```
}
```



```
package ead.senac.tds.Projeto.model;
```

```
import java.time.LocalDate;
```

```
import java.time.LocalTime;
```

```
/**
```

```
 *
```

```
 * @author josue
```

```
 */
```

```
public class Data {
```

```
    private LocalDate dia;
```

```
private boolean hoje;
```

```
private String valid;
```

```
public Data(){
```

```
    this.dia = LocalDate.now();
```

```
    this.hoje = true;
```

```
    this.valid = "";
```

```
}//Data()
```

```
public Data(LocalDate data){
```

```
    this.dia = data;
```

```
    this.hoje = false;
```

```
    this.valid = "";
```

```
}//Data(LocalDate data)
```

```
public Data(String data){
```

**this.hoje = false;**

**this.valid = "";**

**int year = 0;**

**int month = 0;**

**int day = 0;**

**try{**

**if(data.matches("[0-9]{2}/[0-9]{2}/[0-9]{4}")){**

**for(int i = 0; i < 10; i++){**

**int num;**

**switch(data.charAt(i)){**

**case '1':**

**num = 1;**

**break;**

**case '2':**  
**num = 2;**  
**break;**

**case '3':**  
**num = 3;**  
**break;**

**case '4':**  
**num = 4;**  
**break;**

**case '5':**  
**num = 5;**  
**break;**

**case '6':**  
**num = 6;**  
**break;**

**case '7':**

**num = 7;**

**break;**

**case '8':**

**num = 8;**

**break;**

**case '9':**

**num = 9;**

**break;**

**default:**

**num = 0;**

**break;**

**}//switch(data.charAt(i))**

**switch(i+1){**

**case 1:**

**day = num;**

**break;**

**case 2:**

**day = day\*10 + num;**

**break;**

**case 4:**

**month = num;**

**break;**

**case 5:**

**month = month\*10 + num;**

**break;**

**case 7:**

**year = num;**

**break;**

**case 8:**

**year = year\*10 + num;**

**break;**



**case 9:**

**year = year\*10 + num;**

**break;**

**case 10:**

**year = year\*10 + num;**

**break;**

**}//switch(i+1)**

**}//for(int i = 0; i < 10; i++)**

**this.dia = LocalDate.of(year, month, day);**

**} else if(data.matches("[0-9]{4}[-][0-9]{2}[-][0-9]{2}")){**

**for(int i = 0; i < 10; i++){**

**int num;**

```
switch(data.charAt(i)){
```

```
    case '1':
```

```
        num = 1;
```

```
        break;
```

```
    case '2':
```

```
        num = 2;
```

```
        break;
```

```
    case '3':
```

```
        num = 3;
```

```
        break;
```

```
    case '4':
```

```
        num = 4;
```

```
        break;
```

```
    case '5':
```

```
        num = 5;
```

```
        break;
```

```
case '6':  
num = 6;  
break;
```

```
case '7':  
num = 7;  
break;
```

```
case '8':  
num = 8;  
break;
```

```
case '9':  
num = 9;  
break;
```

```
default:  
num = 0;  
break;
```

```
}//switch(data.charAt(i))
```

```
switch(i+1){
```

```
    case 1:
```

```
    year = num;
```

```
    break;
```

```
    case 2:
```

```
    year = year*10 + num;
```

```
    break;
```

```
    case 3:
```

```
    year = year*10 + num;
```

```
    break;
```

```
    case 4:
```

```
    year = year*10 + num;
```

```
    break;
```

```
    case 6:
```

**month = num;**

**break;**

**case 7:**

**month = month\*10 + num;**

**break;**

**case 9:**

**day = num;**

**break;**

**case 10:**

**day = day\*10 + num;**

**break;**

**}//switch(i+1)**

**}//for(int i = 0; i < 10; i++)**

**this.dia = LocalDate.of(year, month, day);**

```
} else {
```

```
    this.dia = LocalDate.now();  
    this.valid = "Data inválida!";
```

```
}//if
```

```
} catch(Exception e){
```

```
    this.dia = LocalDate.now();  
    this.valid = e.getMessage();
```

```
}
```

```
}//Date(String data)
```

```
public boolean Val(){  
    return this.valid.isBlank();  
}
```

```
public String Error(){
```

```
        return this.valid;  
    }  
}
```

```
public boolean Hoje(){  
    return this.hoje;  
}
```

```
public LocalDate getData(){  
  
    return this.dia;  
  
}
```

```
private String Event(){
```

```
    String txt = "";
```

```
    if(this.hoje){
```

```
        final String comp[] = {"Bom Dia", "Boa Tarde", "Boa Noite"};
```

```
    if(LocalTime.now().getHour() < 12){
        txt = comp[0];
    } else if(LocalTime.now().getHour() < 18){
        txt = comp[1];
    } else if(LocalTime.now().getHour() > 18){
        txt = comp[2];
    } else if(LocalTime.now().getMinute() <= 30){
        txt = comp[1];
    } else {
        txt = comp[2];
    }

}

return txt;
}
```

```
public String DataAbreviada(){
```

```
    final String separator = "/";
```



```
int a = this.dia.getYear();  
int m = this.dia.getMonthValue();  
int d = this.dia.getDayOfMonth();
```

```
String txt = "";
```

```
if(d < 10){  
    txt += "0";  
}
```

```
txt += d;  
txt += separator;
```

```
if(m < 10){  
    txt += "0";  
}
```

```
txt += m;  
txt += separator;  
txt += a;
```

```
return txt;
```

```
}//DataAbreviada()
```

```
public String DataCompleta(){
```

```
    int a = this.dia.getYear();
```

```
    int m = this.dia.getMonthValue();
```

```
    int d = this.dia.getDayOfMonth();
```

```
    int s = this.dia.getDayOfWeek().getValue();
```

```
    String txt = "";
```

```
    if(this.hoje){
```

```
        txt += Event();
```

```
        txt += ", hoje é ";
```

```
    }
```

```
    switch(s){
```

```
        case 1 ->{
```

```
    txt += "Segunda";  
}
```

```
case 2 ->{  
    txt += "Terça";  
}
```

```
case 3 ->{  
    txt += "Quarta";  
}
```

```
case 4 ->{  
    txt += "Quinta";  
}
```

```
case 5 ->{  
    txt += "Sexta";  
}
```

```
case 6 ->{  
    txt += "Sábado";  
}
```

```
}
```

```
case 7 ->{
```

```
    txt += "Domingo";
```

```
}
```

```
}//switch(s)
```

```
if(s < 6){
```

```
    txt += "-feira";
```

```
}
```

```
txt += ", dia ";
```

```
txt += d;
```

```
if(d == 1){
```

```
    txt += "o";
```

```
}
```

```
txt += " de ";
```

```
switch(m){
```

```
    case 1 ->{
```

```
        txt += "Janeiro";
```

```
    }
```

```
    case 2 ->{
```

```
        txt += "Fevereiro";
```

```
    }
```

```
    case 3 ->{
```

```
        txt += "Março";
```

```
    }
```

```
    case 4 ->{
```

```
        txt += "Abril";
```

```
    }
```

```
case 5 ->{  
    txt += "Maio";  
}
```

```
case 6 ->{  
    txt += "Junho";  
}
```

```
case 7 ->{  
    txt += "Julho";  
}
```

```
case 8 ->{  
    txt += "Agosto";  
}
```

```
case 9 ->{  
    txt += "Setembro";  
}
```

```
case 10 ->{
```

```
txt += "Outubro";  
}
```

```
case 11 ->{  
    txt += "Novembro";  
}
```

```
case 12 ->{  
    txt += "Dezembro";  
}
```

```
//switch(m)
```

```
txt += " de ";
```

```
txt += a;
```

```
if(this.hoje){  
    txt += "!";  
}
```

```
return txt;
```

```
}//DataCompleta()
```

```
public String DataLinha(boolean ifo){
```

```
String txt = "";
```

```
int dg = LocalDate.now().getDayOfYear();
```

```
int dt = this.dia.getDayOfYear();
```

```
int ag = LocalDate.now().getYear();
```

```
int at = this.dia.getYear();
```

```
if(ag - at == 1){//if
```

```
if(ifo){
```

```
txt += "ANO PASSADO";
```

```
} else {
```

```
txt += "ano passado";
```

```
}
```



```
} else if(ag > at){//if
```

```
int year = ag - at;
```

```
if(!ifo){  
    txt += "há ";  
}
```

```
txt += year;
```

```
if(ifo){  
    txt += " ANOS ATRÁS";  
} else {  
    txt += " anos atrás";  
}
```

```
} else if(dg == dt && ag >= at){//if
```

```
if(ifo){  
    txt += "HOJE";
```

```
} else {  
    txt += "hoje";  
}
```

```
} else if(dg - dt == 1 && ag >= at){//if
```

```
    if(ifo){  
        txt += "ONTEM";  
    } else {  
        txt += "ontem";  
    }
```

```
} else if(dg - dt > 30 && ag >= at){//if
```

```
int mes = LocalDate.now().getMonthValue() - this.dia.getMonthValue();
```

```
if(mes == 0){
```

```
    if(ifo){  
        txt += "ESTE MÊS";  
    } else {
```

```
txt += "este mês";  
}
```

```
} else if(mes == 1){  
    //if(mes == 0)
```

```
    if(ifo){  
        txt += "MÊS PASSADO";  
    } else {  
        txt += "no mês passado";  
    }  
}
```

```
} else {  
    //if(mes == 0)
```

```
    if(!ifo){  
        txt += "há ";  
    }  
}
```

```
txt += mes;
```

```
if(ifo){  
    txt += " MESES ATRÁS";  
}
```

```
} else {  
    txt += " meses atrás";  
}
```

```
}//if(mes == 0)
```

```
} else if(dg > dt && ag >= at){//if
```

```
int day = dg - dt;
```

```
if(!ifo){  
    txt += "há ";  
}
```

```
txt += day;
```

```
if(ifo){  
    txt += " DIAS ATRÁS";  
} else {  
    txt += " días atrás";  
}
```

```
} else if(ifo){//if
```

```
txt += "NO FUTURO";
```

```
} else {//if
```

```
txt += "no futuro";
```

```
}//if
```

```
return txt;
```

```
}//DataLinha(String start, String end)
```

```
public String Load(){
```

```
final char sep = '-';
```

```
String txt = "";
```

```
int a = this.dia.getYear();  
int m = this.dia.getMonthValue();  
int d = this.dia.getDayOfMonth();
```

```
txt += a;  
txt += sep;
```

```
if(m < 10){  
    txt += "0";  
}
```

```
txt += m;  
txt += sep;
```

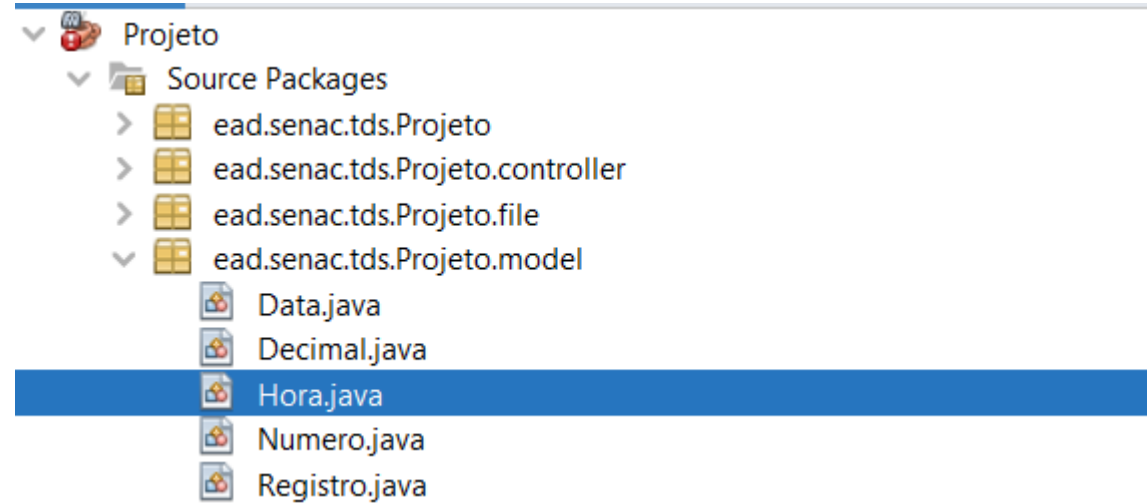
```
if(d < 10){  
    txt += "0";  
}
```

```
txt += d;
```

```
return txt;
```

}

}



```
package ead.senac.tds.Projeto.model;
```

```
import java.time.LocalTime;
```

```
/**
```

```
*
```

```
* @author josue
```

```
*/
```

```
public class Hora {
```

```
    private LocalTime hora;
```

```
    private String error;
```



```
public Hora(){  
    this.hora = LocalTime.of(0, 0, 0);  
}
```

```
public Hora(LocalTime hora){  
    this.hora = hora;  
}
```

```
public Hora(String time){
```

```
    String tema = "";
```

```
    int hour = 0;
```

```
    int minute = 0;
```

```
    int second = 0;
```

```
    try{
```

```
        if(time.matches("[0-9]{1}[-][0-9]{2}[-][0-9]{2}") || time.matches("[0-9]{1}[:,][0-9]{2}[:,][0-9]{2}")){
```

```
            for(int i = 0; i < 8; i++){
```

```
int num;
```

```
switch(time.charAt(i)){
```

```
    case '1':
```

```
        num = 1;
```

```
        break;
```

```
    case '2':
```

```
        num = 2;
```

```
        break;
```

```
    case '3':
```

```
        num = 3;
```

```
        break;
```

```
    case '4':
```

```
        num = 4;
```

```
        break;
```

**case '5':**  
**num = 5;**  
**break;**

**case '6':**  
**num = 6;**  
**break;**

**case '7':**  
**num = 7;**  
**break;**

**case '8':**  
**num = 8;**  
**break;**

**case '9':**  
**num = 9;**  
**break;**

**default:**

**num = 0;**

**break;**

**}//switch(time.charAt(i))**

**switch(i+1){**

**case 1:**

**hour = num;**

**break;**

**case 3:**

**minute = num;**

**break;**

**case 4:**

**minute = minute\*10 + num;**

**break;**

**case 6:**

**second = num;**

**break;**

**case 7:**

**second = second\*10 + num;**

**break;**

**}//switch(i+1)**

**}//for(int i = 0; i < 8; i++)**

**this.hora = LocalTime.of(hour, minute, second);**

**} else if(time.matches("[0-9]{1}[:] [0-9]{2}") || time.matches("[0-9]{1}[-][0-9]{2}")){**

**for(int i = 0; i < 5; i++){**

**int num;**

**switch(time.charAt(i)){**

**case '1':**

```
num = 1;  
break;
```

```
case '2':  
num = 2;  
break;
```

```
case '3':  
num = 3;
```

```
case '4':  
num = 4;  
break;
```

```
case '5':  
num = 5;  
break;
```

```
case '6':  
num = 6;  
break;
```

```
case '7':  
num = 7;  
break;
```

```
case '8':  
num = 8;  
break;
```

```
case '9':  
num = 9;  
break;
```

```
default:  
num = 0;  
break;
```

```
}//switch(time.charAt(i))
```

```
switch(i+1){
```

**case 1:**

**hour = num;**

**break;**

**case 3:**

**minute = num;**

**break;**

**case 4:**

**minute = minute\*10 + num;**

**break;**

**}//switch(i+1)**

**}//for(int i = 0; i < 8; i++)**

**this.hora = LocalTime.of(hour, minute, 0);**

**} else if(time.matches("[0-9]{2}[-][0-9]{2}[-][0-9]{2}") || time.matches("[0-9]{2}[:,][0-9]{2}[:,][0-9]{2}")){**

**for(int i = 0; i < 8; i++){**



```
int num;
```

```
switch(time.charAt(i)){
```

```
    case '1':
```

```
        num = 1;
```

```
        break;
```

```
    case '2':
```

```
        num = 2;
```

```
        break;
```

```
    case '3':
```

```
        num = 3;
```

```
        break;
```

```
    case '4':
```

```
        num = 4;
```

```
        break;
```

**case '5':**  
**num = 5;**  
**break;**

**case '6':**  
**num = 6;**  
**break;**

**case '7':**  
**num = 7;**  
**break;**

**case '8':**  
**num = 8;**  
**break;**

**case '9':**  
**num = 9;**  
**break;**

**default:**

**num = 0;**

**break;**

**}//switch(time.charAt(i))**

**switch(i+1){**

**case 1:**

**hour = num;**

**break;**

**case 2:**

**hour = hour\*10 + num;**

**break;**

**case 4:**

**minute = num;**

**break;**

**case 5:**

**minute = minute\*10 + num;**

**break;**

**case 7:**

**second = num;**

**break;**

**case 8:**

**second = second\*10 + num;**

**break;**

**}//switch(i+1)**

**}//for(int i = 0; i < 8; i++)**

**this.hora = LocalTime.of(hour, minute, second);**

**} else if(time.matches("[0-9]{2}[-][0-9]{2}") || time.matches("[0-9]{2}[:][0-9]{2}")){**

**for(int i = 0; i < 5; i++){**

**int num;**

```
switch(time.charAt(i)){
```

```
    case '1':
```

```
        num = 1;
```

```
        break;
```

```
    case '2':
```

```
        num = 2;
```

```
        break;
```

```
    case '3':
```

```
        num = 3;
```

```
    case '4':
```

```
        num = 4;
```

```
        break;
```

```
    case '5':
```

```
        num = 5;
```

```
        break;
```

```
case '6':  
num = 6;  
break;
```

```
case '7':  
num = 7;  
break;
```

```
case '8':  
num = 8;  
break;
```

```
case '9':  
num = 9;  
break;
```

```
default:  
num = 0;  
break;
```

```
}//switch(time.charAt(i))
```

```
switch(i+1){
```

```
    case 1:
```

```
    hour = num;
```

```
    break;
```

```
    case 2:
```

```
    hour = hour*10 + num;
```

```
    break;
```

```
    case 4:
```

```
    minute = num;
```

```
    break;
```

```
    case 5:
```

```
    minute = minute*10 + num;
```

```
    break;
```

```
}//switch(i+1)
```

```
}//for(int i = 0; i < 8; i++)
```

```
this.hora = LocalTime.of(hour, minute, 0);
```

```
} else {
```

```
    this.hora = LocalTime.of(0,0,0);
```

```
    tema = "Hora inválida!";
```

```
}
```

```
}catch(Exception e){
```

```
    this.hora = LocalTime.of(0,0,0);
```

```
    tema = e.getMessage();
```

```
}
```

```
this.error = tema;
```



```
}//outTime(String txt)
```

```
public String Err(){  
    return this.error;  
}
```

```
public boolean Val(){  
    return this.error.isBlank();  
}
```

```
public LocalTime getHora(){  
    return this.hora;  
}
```

```
public String getHora(boolean second){
```

```
    final String sep = ":";
```

```
    String txt = "";
```

```
    int h = this.hora.getHour();
```

```
int m = this.hora.getMinute();
```

```
if(h < 10){  
    txt += "0";  
}
```

```
txt += h;  
txt += sep;
```

```
if(m < 10){  
    txt += "0";  
}
```

```
txt += m;
```

```
if(second){
```

```
    int s = this.hora.getSecond();
```

```
    txt += sep;
```

```
if(s < 10){  
    txt += "0";  
}
```

```
txt += s;
```

```
}
```

```
return txt;
```

```
}//Hora()
```

```
public String Load(){
```

```
final char sep = '-';
```

```
int h = this.hora.getHour();
```

```
int m = this.hora.getMinute();
```

```
int s = this.hora.getSecond();
```

```
String txt = "";
```

```
if(h < 10){  
    txt += "0";  
}
```

```
txt += h;  
txt += sep;
```

```
if(m < 10){  
    txt += "0";  
}
```

```
txt += m;  
txt += sep;
```

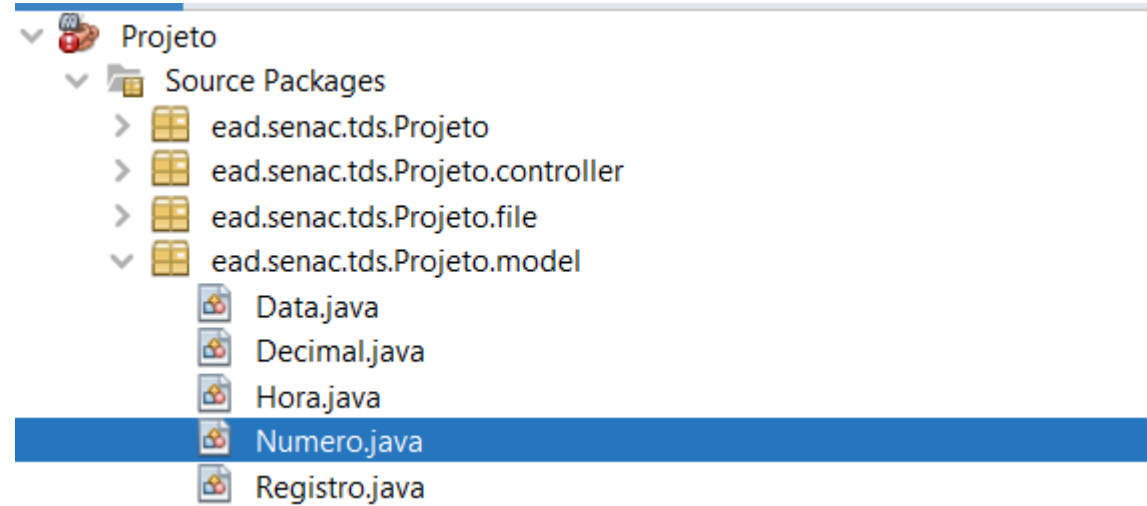
```
if(s < 10){  
    txt += "0";  
}
```

```
txt += s;
```

```
return txt;
```

```
}
```

```
}
```



```
package ead.senac.tds.Projeto.model;
```

```
/**
```

```
*
```

```
* @author josue
```

```
*/
```

```
public class Numero {
```

```
    private int num;
```

```
    private boolean valid;
```

```
    public Numero(String txt){
```

```
int numb = 0;  
this.valid = true;
```

```
for(int i = 0; i < txt.length(); i ++){
```

```
    switch(txt.charAt(i)){
```

```
        case '1':
```

```
            numb = numb*10 + 1;
```

```
            break;
```

```
        case '2':
```

```
            numb = numb*10 + 2;
```

```
            break;
```

```
        case '3':
```

```
            numb = numb*10 + 3;
```

```
            break;
```

```
        case '4':
```

```
numb = numb*10 + 4;  
break;
```

```
case '5':  
numb = numb*10 + 5;  
break;
```

```
case '6':  
numb = numb*10 + 6;  
break;
```

```
case '7':  
numb = numb*10 + 7;  
break;
```

```
case '8':  
numb = numb*10 + 8;  
break;
```

```
case '9':  
numb = numb*10 + 9;
```



**break;**

**case '0':**

**numb = numb\*10;**

**break;**

**default:**

**this.valid = false;**

**break;**

**}//switch(txt.charAt(i))**

**}//for(int i = 0; i < txt.length(); i ++)**

**this.num = numb;**

**}//Numero(String txt)**

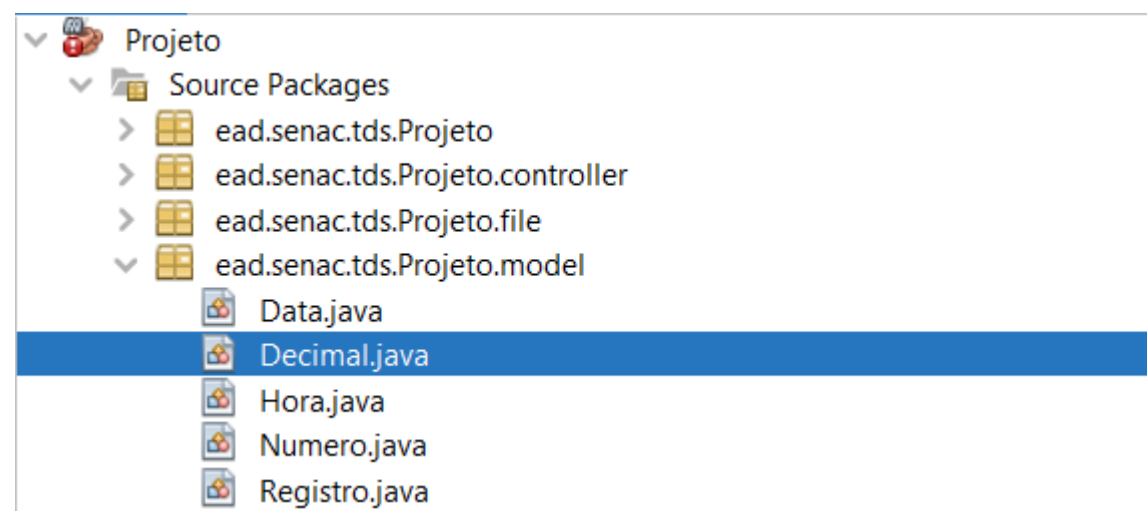
**public int Num(){**

**return this.num;**

**}**

```
public boolean Val(){  
    return this.valid;  
}
```

```
}
```



```
package ead.senac.tds.Projeto.model;
```

```
/**
```

```
*
```

```
* @author josue
```

```
*/
```

```
public class Decimal {
```

```
    private Float decimal;
```

```
    private boolean valid;
```

```
    public Decimal(String txt){
```

```
        boolean val = true;
```

```
float numb = 0.0f;
```

```
boolean sep = true;
```

```
int d1 = 0;
```

```
int d2 = 0;
```

```
for(int i = 0; i < txt.length(); i++){
```

```
    switch(txt.charAt(i)){
```

```
        case '1':
```

```
            numb = numb*10f + 1f;
```

```
            break;
```

```
        case '2':
```

```
            numb = numb*10f + 2f;
```

```
            break;
```

```
        case '3':
```

```
            numb = numb*10f + 3f;
```

```
            break;
```

```
        case '4':
```

```
            numb = numb*10f + 4f;
```

**break;**

**case '5':**

**numb = numb\*10f + 5f;**

**break;**

**case '6':**

**numb = numb\*10f + 6f;**

**break;**

**case '7':**

**numb = numb\*10f + 7f;**

**break;**

**case '8':**

**numb = numb\*10f + 8f;**

**break;**

**case '9':**

**numb = numb\*10f + 9f;**

**break;**

**case '0':**

**numb = numb\*10f;**

**break;**

**case ',':**

**case '.':**

**if(sep){**

**d1 = i;**

**sep = false;**

**} else {**

**val = false;**

**}**

**break;**

**default:**

**val = false;**

**break;**

**//switch - 1/2**

**if(d1 > 0){**

**switch(txt.charAt(i)){**

**case '1':**

**case '2':**

**case '3':**

**case '4':**

**case '5':**

**case '6':**

**case '7':**

**case '8':**

**case '9':**

**d2 = i;**

**break;**

**}//switch - 2/2**

**}//if(d1 > 0)**

**}//for(int i = 0; i < txt.length(); i++)**

**if(d1 < d2){**

**for(int i = d1; i < d2;i++){**

**numb = numb/10;**

**}**

**}//if(d1 < d2)**

```
this.decimal = numb;
```

```
this.valid = val;
```

```
}//Decimal(String txt)
```

```
public boolean Val(){
```

```
    return this.valid;
```

```
}
```

```
public Float Dec(){
```

```
    return this.decimal;
```

```
}
```

```
public Float Dec(int dec){
```

```
    Float div = 1f;
```

```
    if(dec <= 1){
```

```
        div = 10f;
```

```
    } else {
```

```
        div = dec*10f;
```

```
}
```

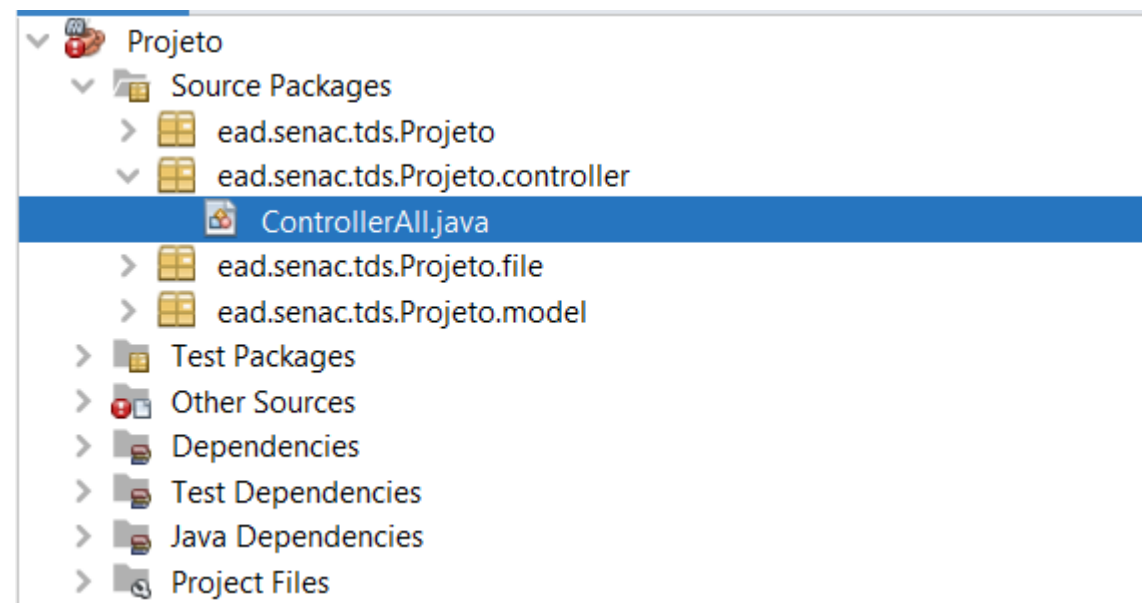


```
int numb = Math.round(this.decimal*div);
```

```
return (float)numb /div;
```

```
}
```

```
}
```



```
package ead.senac.tds.Projeto.controller;
```

```
import ead.senac.tds.Projeto.model.Data;
```

```
import org.springframework.ui.Model;
```

```
import org.springframework.stereotype.Controller;
```

```
import org.springframework.web.bind.annotation.GetMapping;
```

```
/**
```

```
*
```

```
* @author josue
```

```
*/
```

**@Controller**

**public class ControllerAll {**

**@GetMapping("/index")**

**public String Index(Model model){**

**model.addAttribute("title", new Data().DataAbreviada());**

**model.addAttribute("top", new Data().DataCompleta());**

**return "index";**

**}//Index(Model model)**

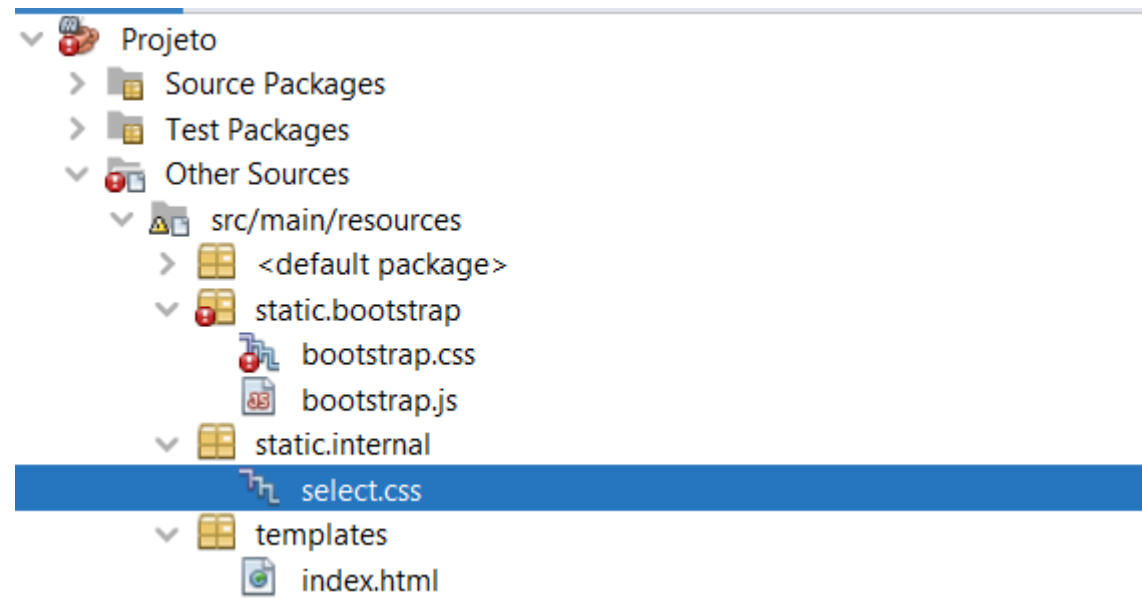
**@GetMapping("/")**

**public String RedirectIndex(){**

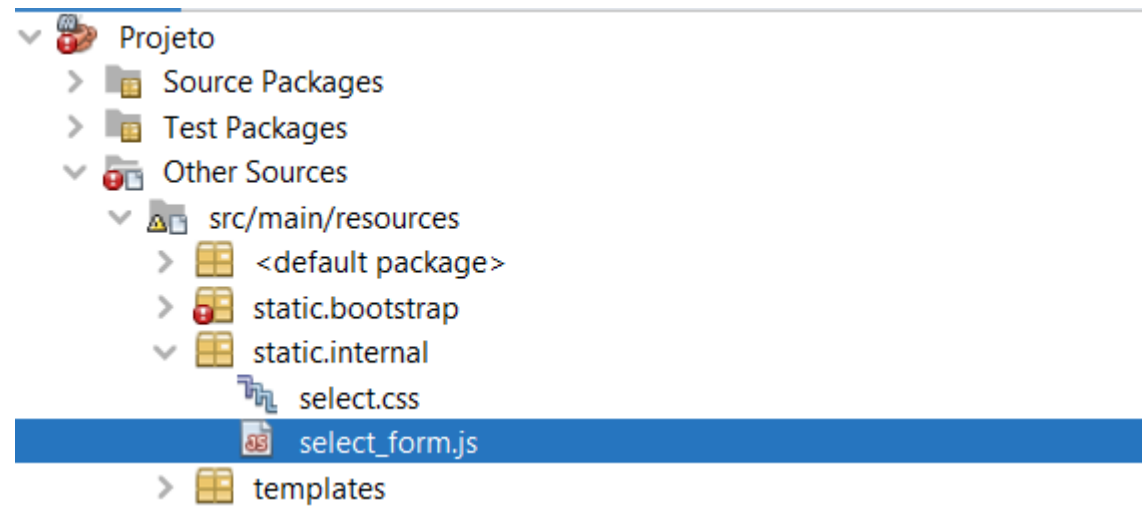
**return "redirect:/index";**

**}//Index(Model model)**

**}**



```
*::selection{  
  color: white;  
  background-color: black;  
}
```



```
document.getElementsByTagName("html")[0].addEventListener("click", function(){  
    console.clear();  
});
```

```
function Text(ds){
```

```
    let txt = "";
```

```
    var action = true;
```

```
    var space = true;
```

```
    var letter = false;
```

```
    for(var i = 0; i < ds.length; i++){
```

```
switch(ds[i]){
```

```
    case '\\':
```

```
    case '/':
```

```
    case '|':
```

```
    case '[':
```

```
    case '{':
```

```
    case '(':
```

```
    case '=':
```

```
    if(action && letter && i < ds.length-2){
```

```
        txt += " [";
```

```
        action = false;
```

```
    } else {
```

```
        txt += " ";
```

```
    }
```

```
    space = false;
```

```
    break;
```

```
    case '+':
```

```
    case '-':
```

```
    case '_':
```

```
    case ' ':
```

```
if(space){  
    txt += " ";  
    space = false;  
}  
break;
```

```
default:  
txt += ds[i];  
letter = true;  
space = true;  
break;
```

```
}
```

```
}
```

```
return txt;
```

```
//Text(ds)
```

```
function Submit(){
```

```
    const x = document.forms["frm"];
```

```
for (let i = 0; i < x.length ;i++) {
```

```
    switch(x.elements[i].type.toLowerCase()){
```

```
        case "text":
```

```
            x.elements[i].value = Text(x.elements[i].value);
```

```
        break;
```

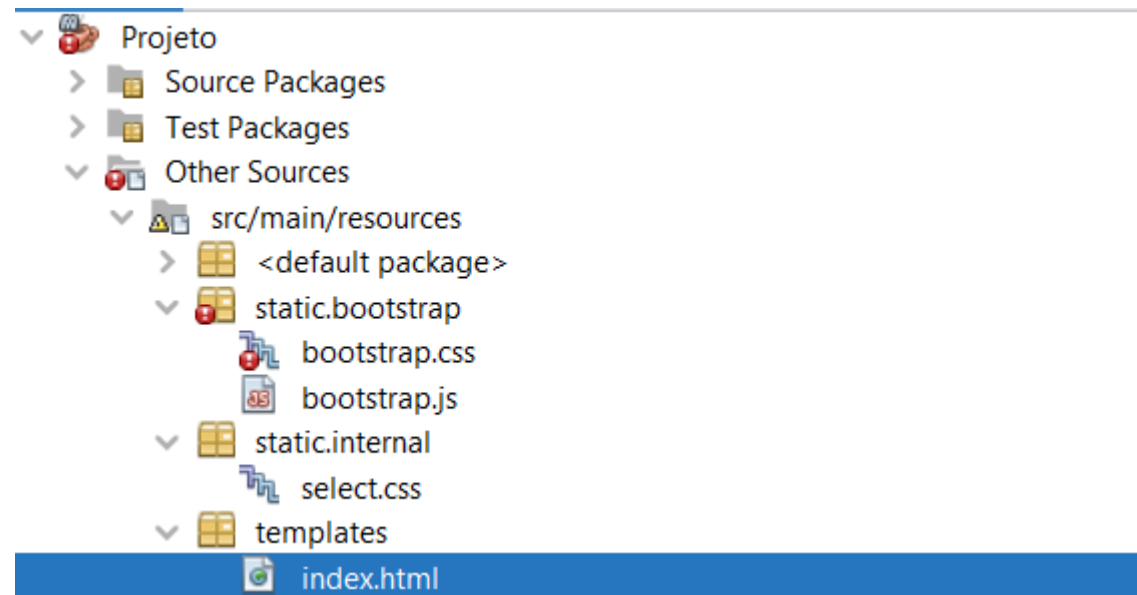
```
    }
```

```
}
```

```
//Submit()
```

```
document.getElementById("frm").addEventListener("submit",Submit);
```





```
<html>
  <head>
    <title th:text="${title}" />
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" th:href="@{/bootstrap/bootstrap.css}">
    <link rel="stylesheet" th:href="@{/internal/select.css}">
  </head>

  <body>

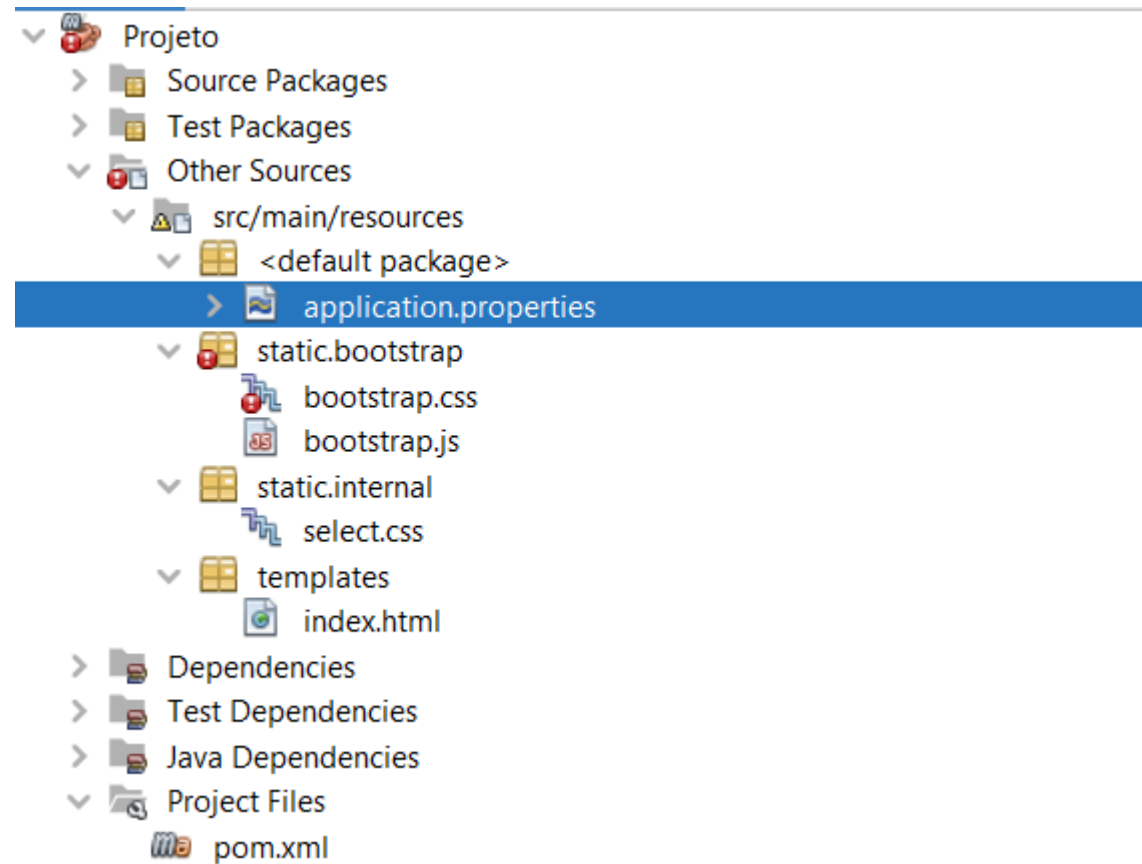
    <!-- divtopclass -- div top class -->
```

```
<div class="container-fluid bg-primary-subtle mb-5 py-4 d-print-none">
  <p th:text="${top}" class="text-primary-emphasis text-center fw-bold" style="font-size:3vw" />
</div><!-- div -- Topo -->
```

```
<script th:src="@{/bootstrap/bootstrap.js}"></script>
```

```
</body>
```

```
</html>
```



**spring.application.name=ProjetoIntegrador**

**spring.datasource.url=jdbc:mysql://localhost:3306/videoteca**

**spring.datasource.username=aula**

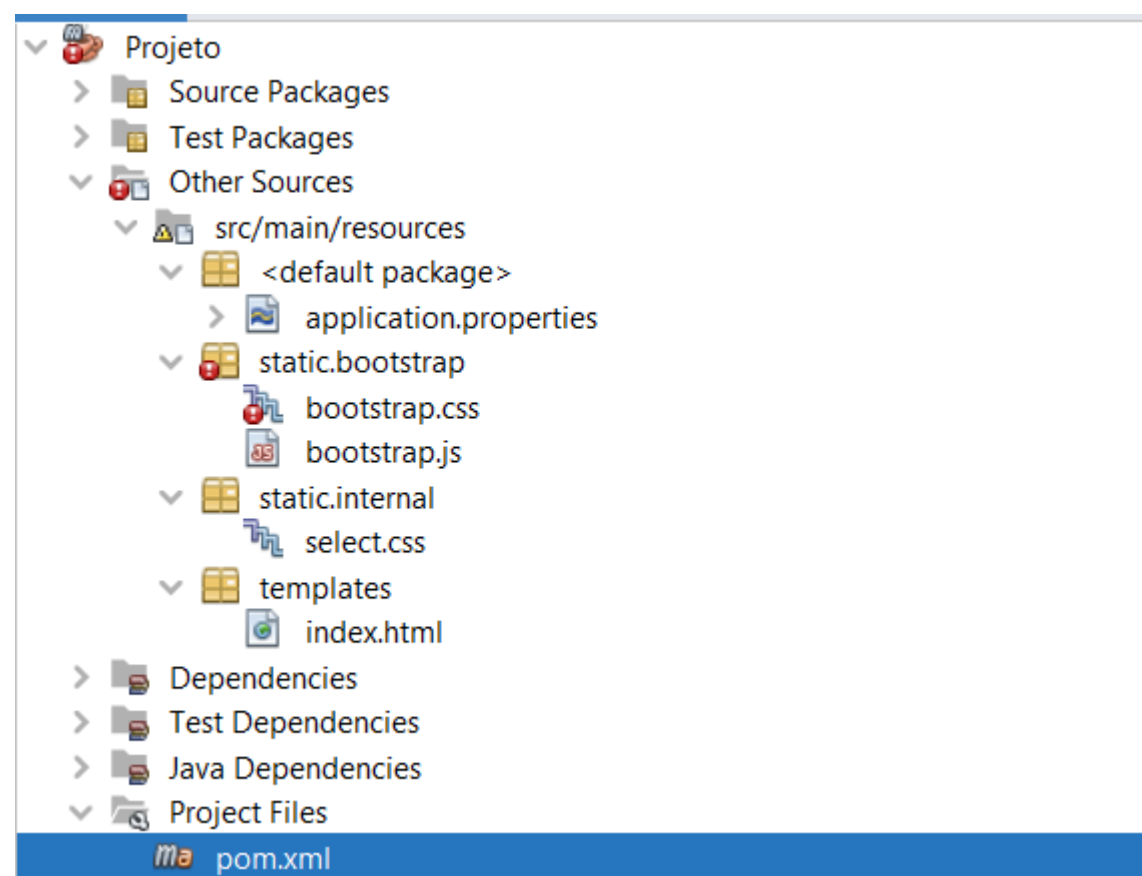
**spring.datasource.password=660009929**

**server.port=8080**

**spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQLDialect**

**spring.jpa.hibernate.ddl-auto=update**

**server.error.include-message = Always**



```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
```

```
<modelVersion>4.0.0</modelVersion>
```

```
<parent>
```

```
<groupId>org.springframework.boot</groupId>
```

```
<artifactId>spring-boot-starter-parent</artifactId>
<version>3.3.5</version>
<relativePath/> <!-- lookup parent from repository -->
</parent>
<groupId>ead.senac.tds</groupId>
<artifactId>ProjetoIntegrador</artifactId>
<version>0.0.1-SNAPSHOT</version>
<name>Projeto</name>
<description>Projeto Integrador Assistente de desenvolvimento de sistemas</description>
<url/>
<licenses>
<license/>
</licenses>
<developers>
<developer/>
</developers>
<scm>
<connection/>
```

<developerConnection/>

<tag/>

<url/>

</scm>

<properties>

<java.version>17</java.version>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-thymeleaf</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

```
<groupId>org.projectlombok</groupId>
<artifactId>lombok</artifactId>
<optional>true</optional>
</dependency>
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-test</artifactId>
<scope>test</scope>
</dependency>
</dependencies>

<build>
<plugins>
<plugin>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-maven-plugin</artifactId>
<configuration>
<excludes>
```

```
<exclude>
<groupId>org.projectlombok</groupId>
<artifactId>lombok</artifactId>
</exclude>
</excludes>
</configuration>
</plugin>
</plugins>
</build>

</project>
```