Application Lifecycle Management

Rodrigo Martins Pagliares

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Last update: 04/25/2023

Demo

Demonstration of the **web application**

(**Hostel Sparkling Water**)

Sparkling Water Hostel Customers Login

Sparkling Water hostel

The *hostel Sparkling Water* is a fictitious hostel located in Caxambu-MG, Brazil. Caxambu is a small town (its population in 2020 was estimated at 22,000), renowned for its spa which has twelve sources of sparking mineral water flowing 24 hours a day and a cold-water geyser.

Caxambu is the only place in the world with 12 mineral water springs, each with different chemical properties.

Park

The Water Park is the main attraction in town.

Photo of the bathhouse located at the Water Park

How to get to the hostel?

From Rio de Janeiro
Via BR-116 (Presidente Dutra) west past Resende- RJ to the village of Engenheiro Passos-RJ and take BR-354 north.

From Belo Horizonte or São Paulo
Via BR-381 to Campanha-MG, then west on BR-267.

Famous tourism quotes

"Never go on trips with anyone you do not love." *Ernest Hemingway*

"To travel is to discover that everyone is wrong about other countries." *Aldous Huxley*

Homepage just after accessing the web application for the hostel Sparkling Water.

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Two administrator roles are **available** (***Receptionist*** and ***Reservation manager***). **Neither** of **them** is **authenticated just after accessing** the **application**.

Sparkling Water Hostel | Customers | Login

Sparkling Hostel

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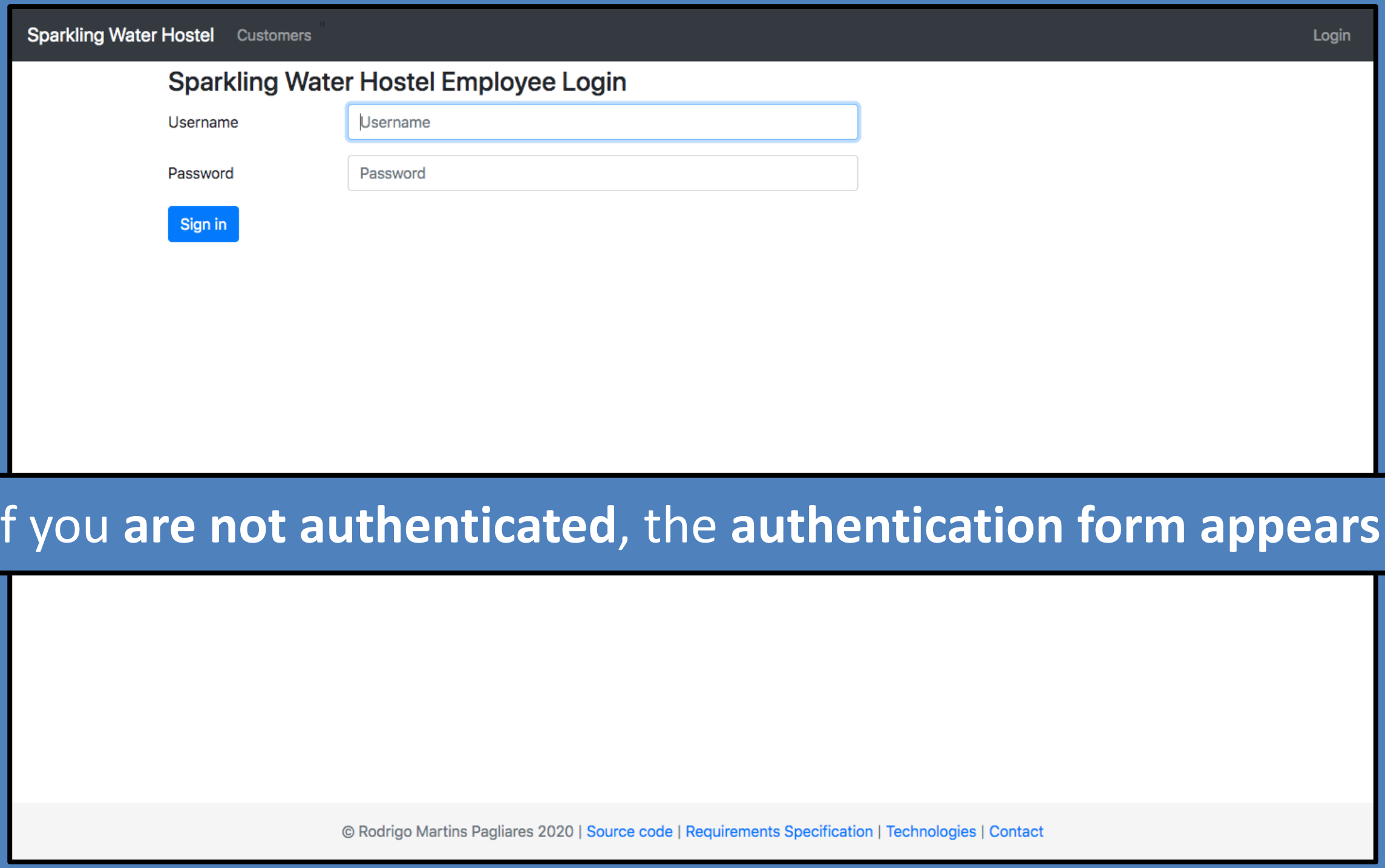
Only AUTHENTICATED users (*Receptionist* or *Reservation Manager*) can see the list of customers of the hostel. The list of customers can be accessed from this menu item.


Sparkling Water Hostel
Customers
Login
Sparkling Water Hostel Employee Login
Username
Username
Password
Password
Sign in
If you **are not authenticated**, the **authentication form appears**.
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Sparkling Water Hostel Customers Login

Sparkling Water hostel

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Photo of the

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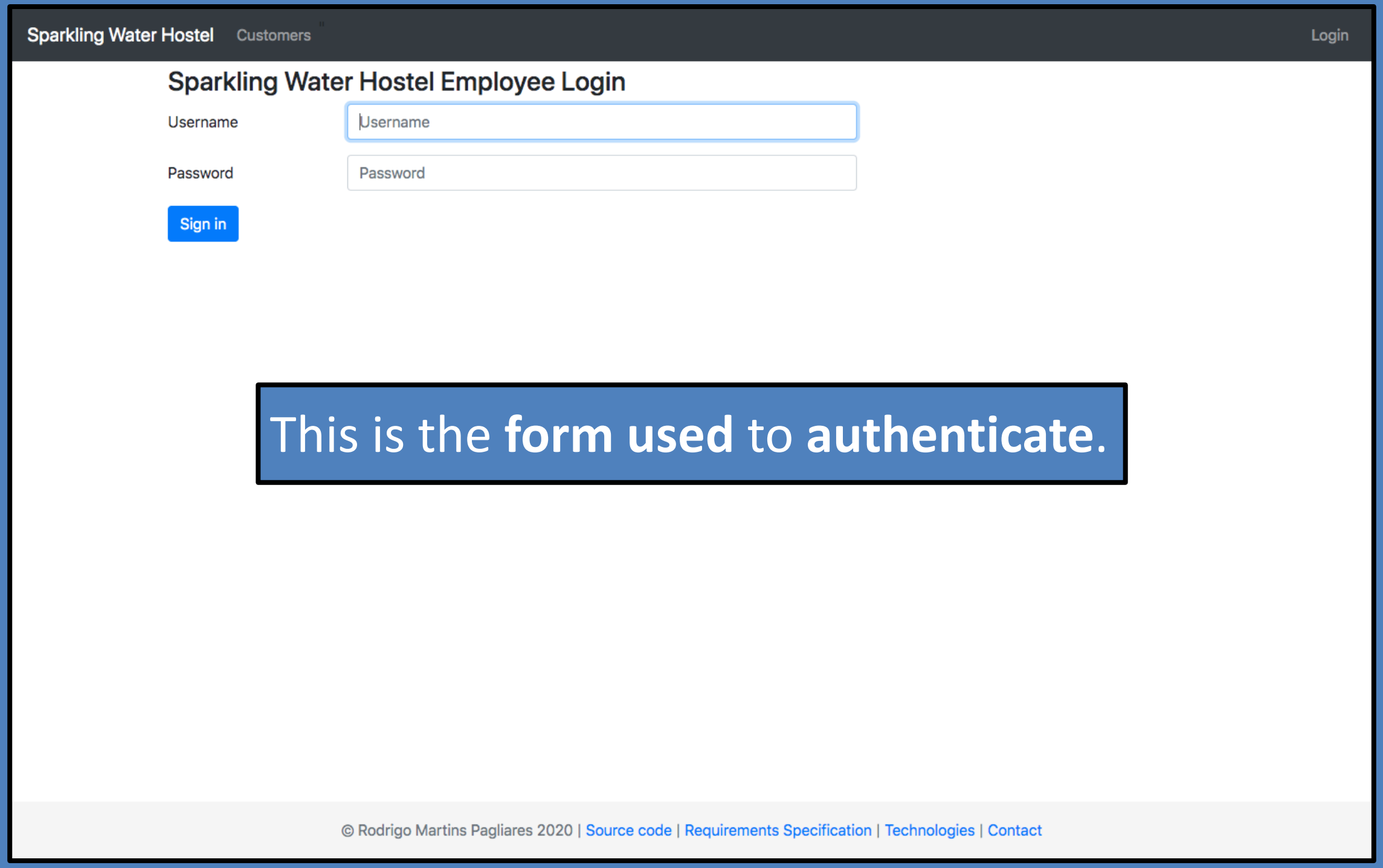
We can also **authenticate by selecting** this **option starting** from the **homepage**.


Sparkling Water Hostel
Customers
Login
Sparkling Water Hostel Employee Login
Username
Username
Password
Password
Sign in
This is the **form used** to **authenticate**.
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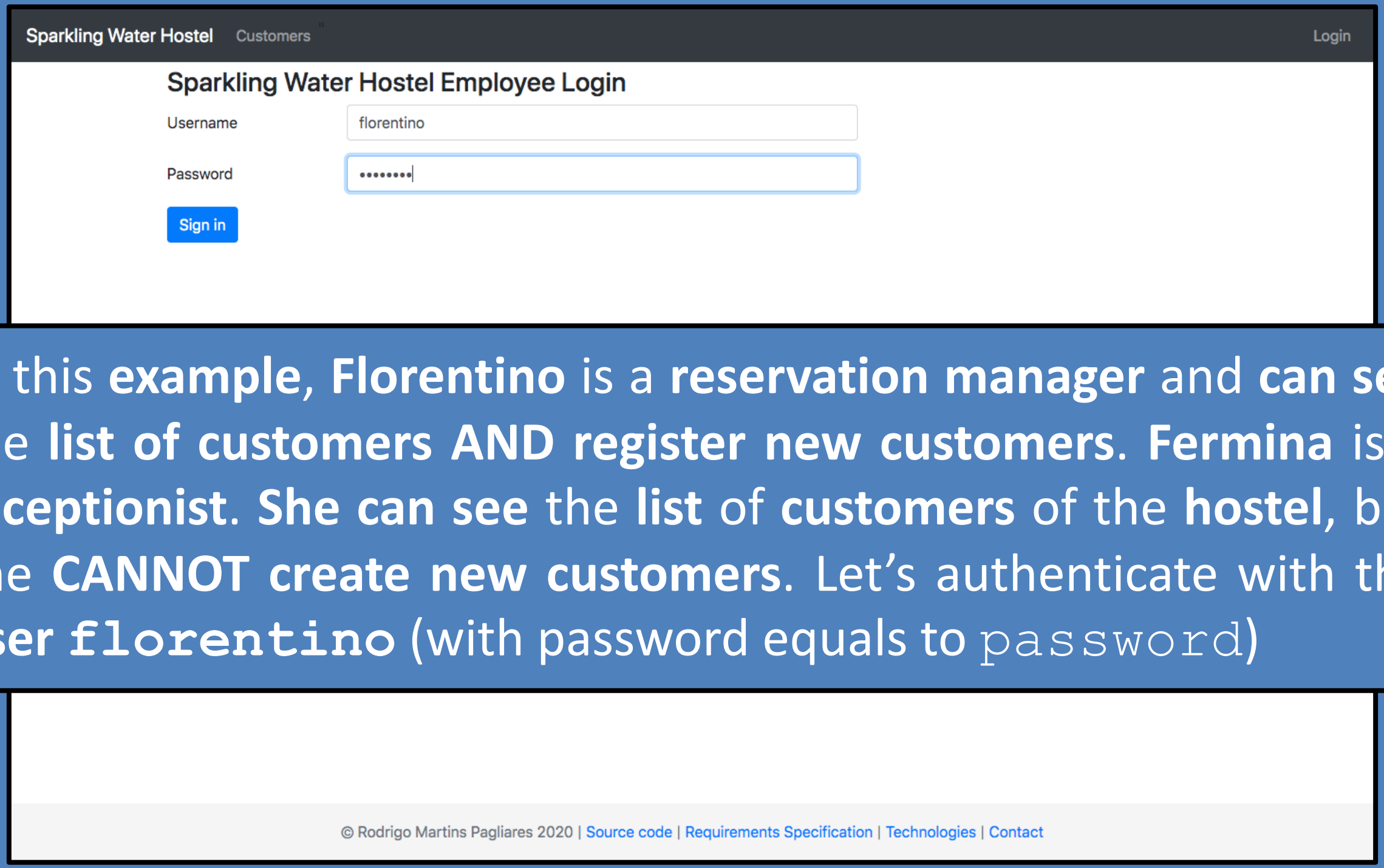
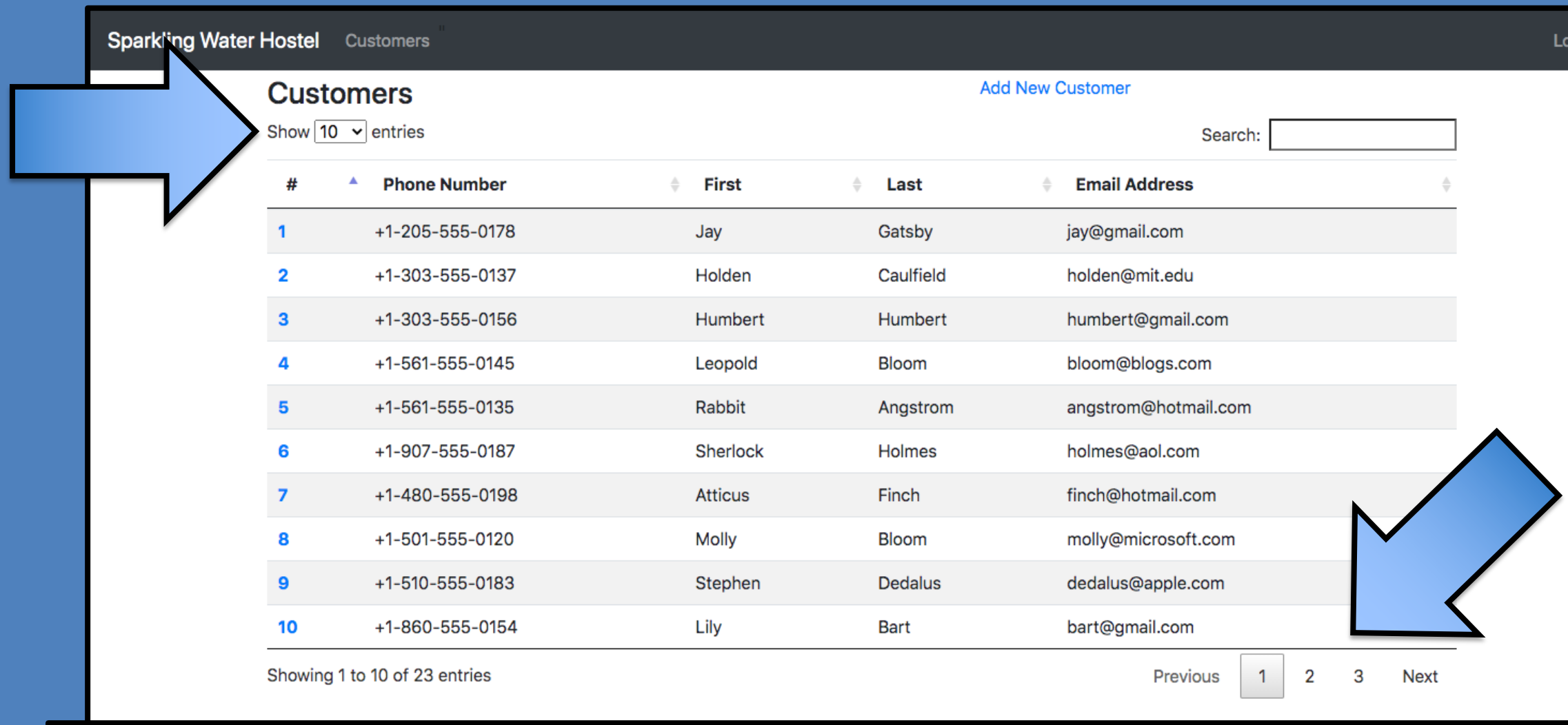


In this **example**, **Florentino** is a **reservation manager** and **can see** the **list of customers AND register new customers**. **Fermina** is a **receptionist**. **She can see** the **list** of **customers** of the **hostel**, but she **CANNOT create new customers**. Let's authenticate with the **user `florentino`** (with password equals to `password`)



The **list** of **customers** of the **hostel**. The **web application** has a **pagination system** that **shows** the **list** in **several pages**. Here, we **show 10 entries** per **page**, but this **can be customized**.

Sparkling Water Hostel Customers Logout

Customers

Add New Customer

Show 10 entries

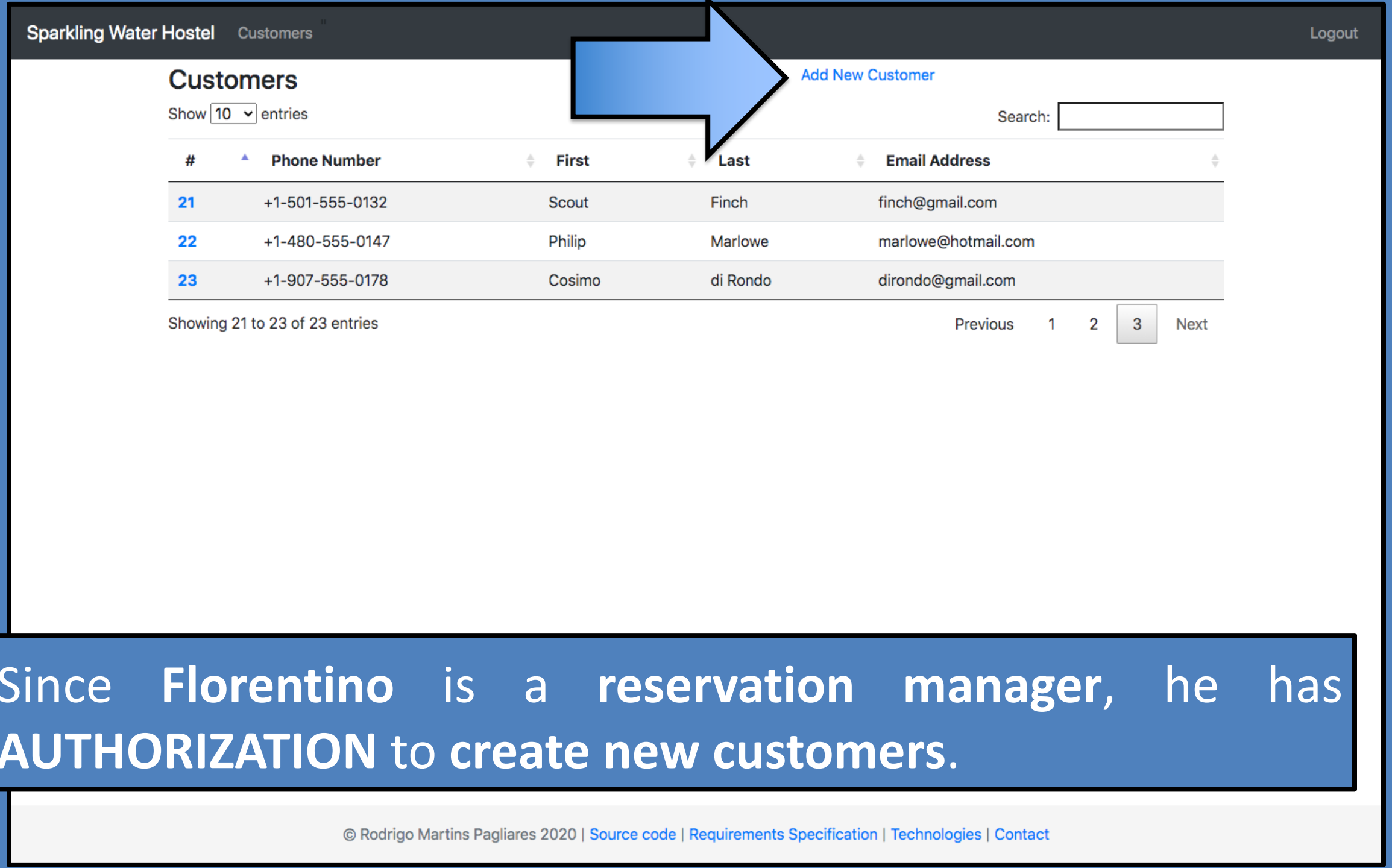
Search:

#	Phone Number	First	Last	Email Address
21	+1-501-555-0132	Scout	Finch	finch@gmail.com
22	+1-480-555-0147	Philip	Marlowe	marlowe@hotmail.com
23	+1-907-555-0178	Cosimo	di Rondo	dirondo@gmail.com

Showing 21 to 23 of 23 entries

Previous 1 2 3 Next

We have **23 customers** who already have been to the **hostel since** its **inauguration**.


Sparkling Water Hostel
Customers
Logout
Customers
Add New Customer
Show 10 entries
Search:
Phone Number First Last Email Address
21 +1-501-555-0132 Scout Finch finch@gmail.com
22 +1-480-555-0147 Philip Marlowe marlowe@hotmail.com
23 +1-907-555-0178 Cosimo di Rondo dirondo@gmail.com
Showing 21 to 23 of 23 entries
Previous 1 2 3 Next
Since Florentino is a reservation manager, he has AUTHORIZATION to create new customers.
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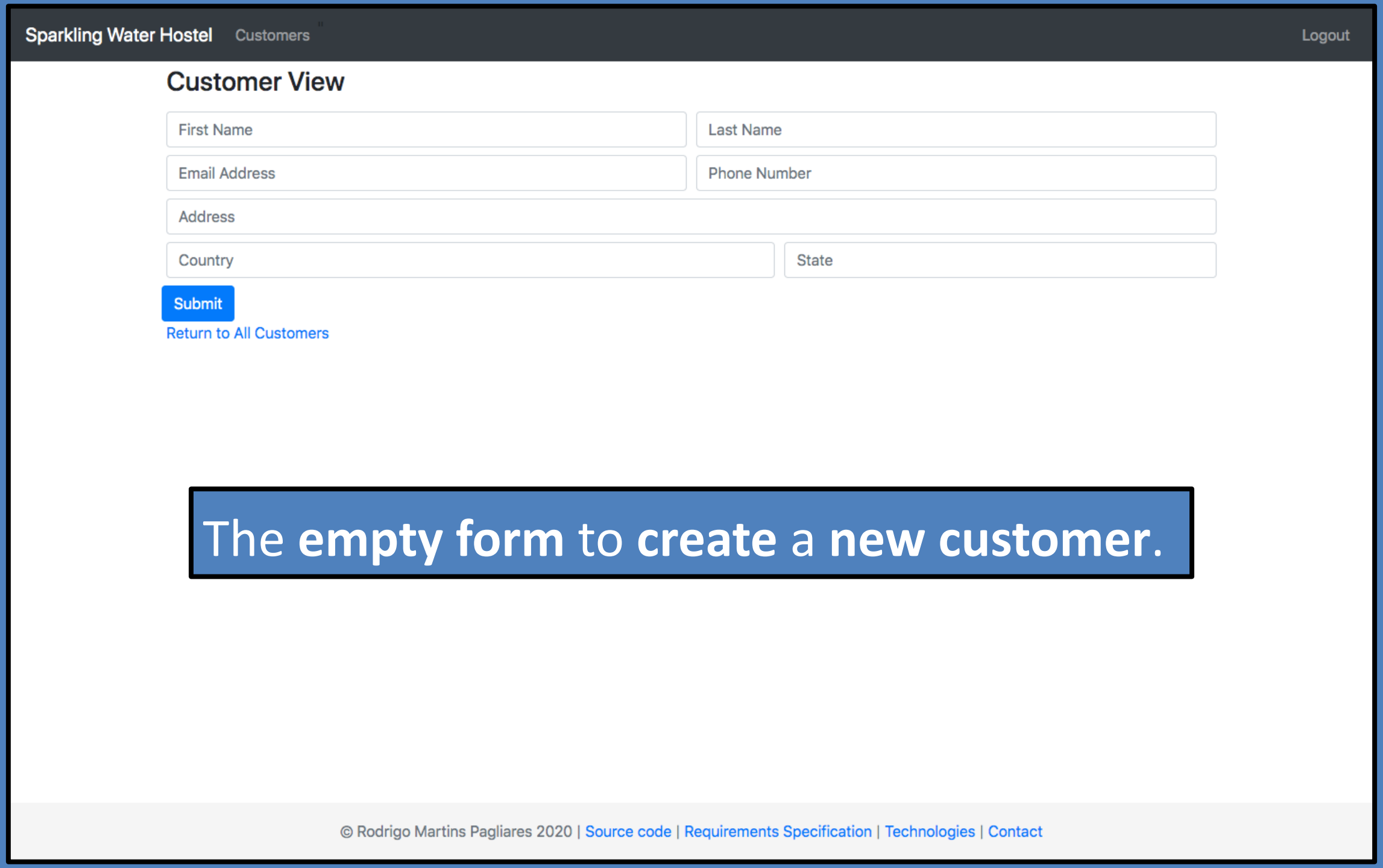
Sparkling Water Hostel
Customers
Logout
Customer View
First Name
Last Name
Email Address
Phone Number
Address
Country
State
Submit
Return to All Customers
The empty form to create a new customer.
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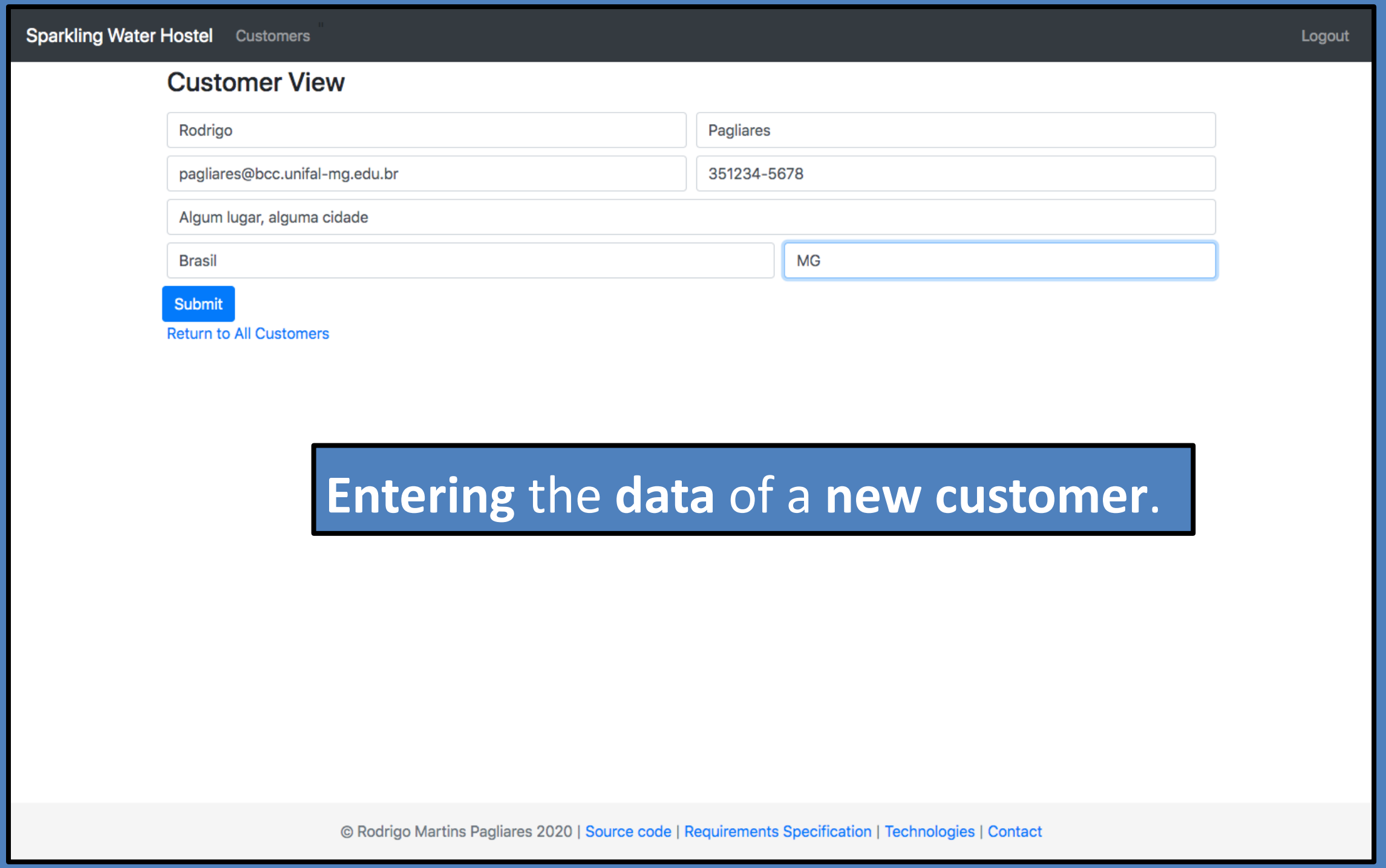
Sparkling Water Hostel
Customers
Logout
Customer View
Rodrigo
Pagliares
pagliares@bcc.unifal-mg.edu.br
351234-5678
Algum lugar, alguma cidade
Brasil
MG
Submit
Return to All Customers
Entering the data of a new customer.
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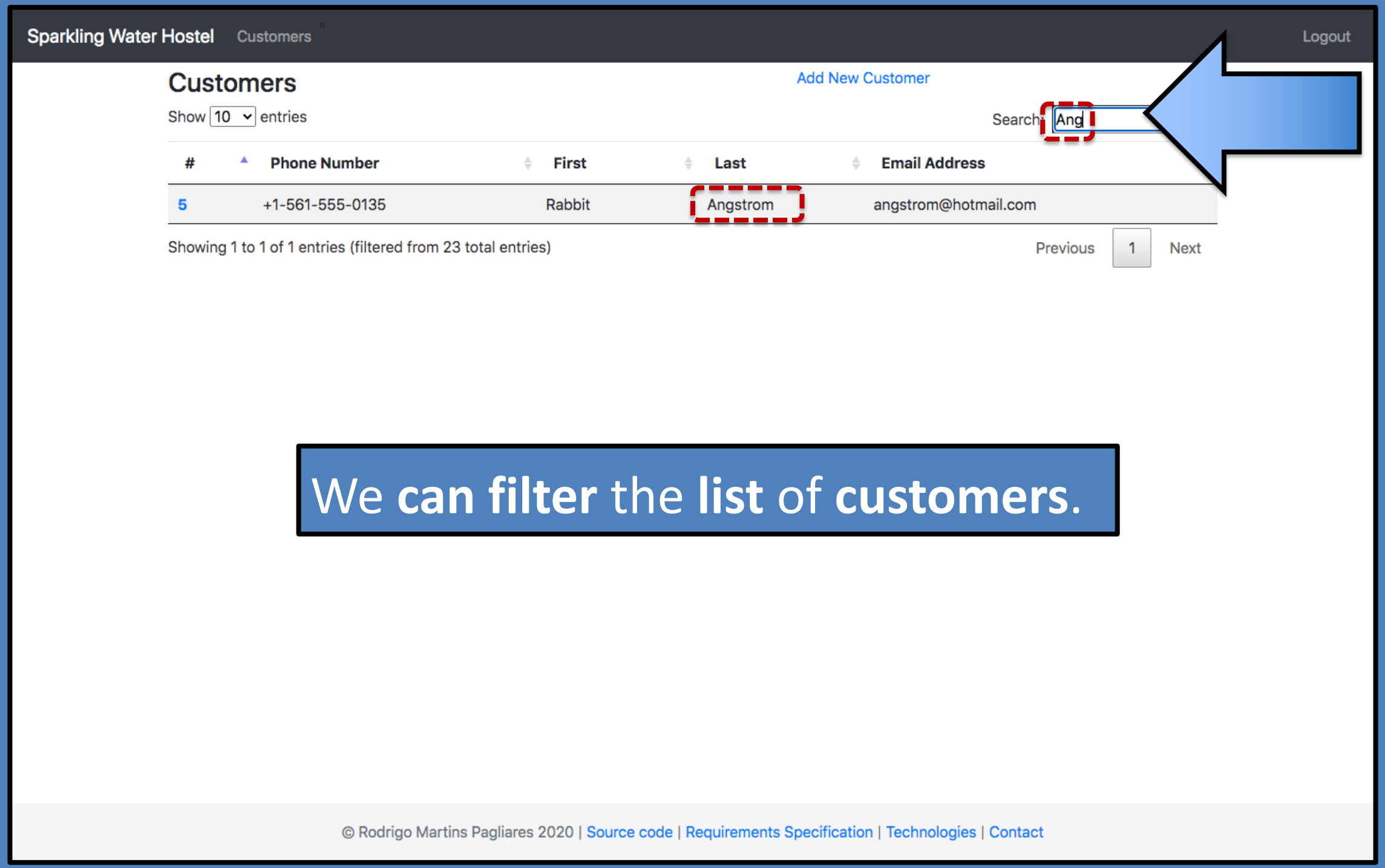
Sparkling Water Hostel
Customers
Logout
Customers
Add New Customer
Show 10 entries
Search: Ang
Phone Number First Last Email Address
5 +1-561-555-0135 Rabbit Angstrom angstrom@hotmail.com
Showing 1 to 1 of 1 entries (filtered from 23 total entries)
Previous 1 Next
We can filter the list of customers.
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Sparkling Water Hostel Customers Logout

Customers

Add New Customer

Show 10 entries

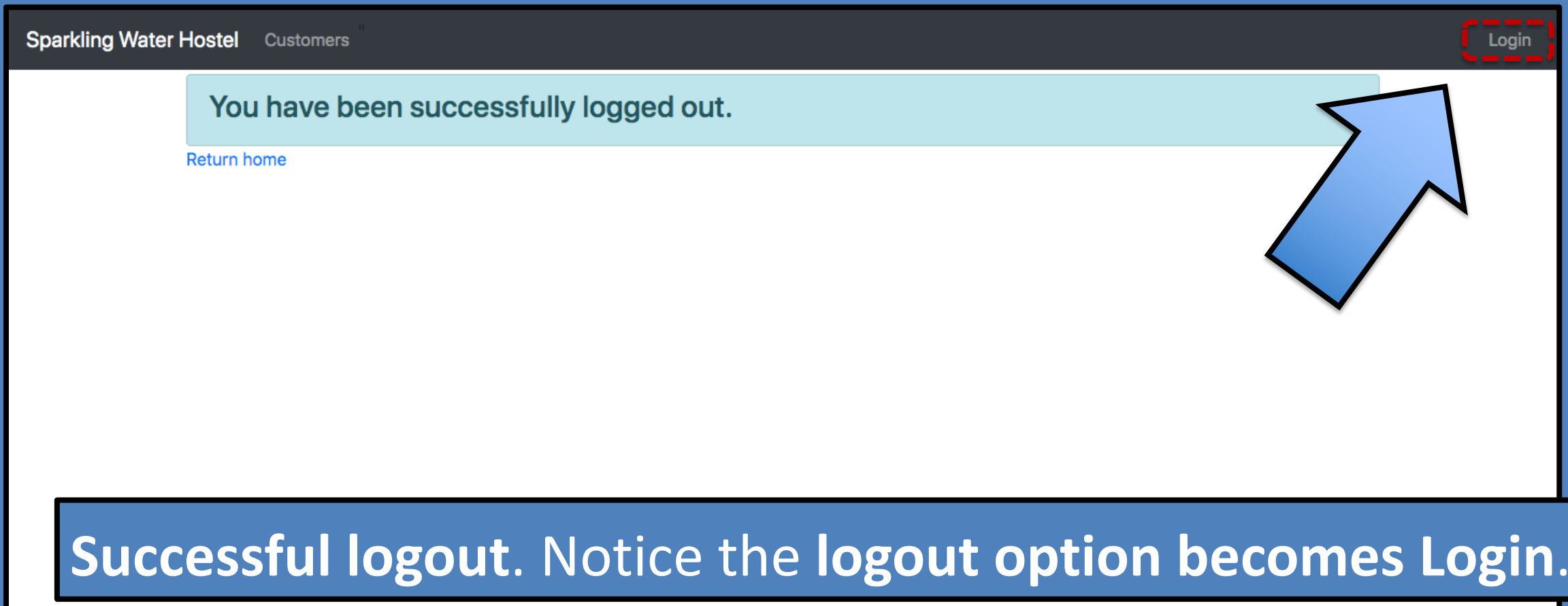
Search: Ang

#	Phone Number	First	Last	Email Address
5	+1-561-555-0135	Rabbit	Angstrom	angstrom@hotmail.com

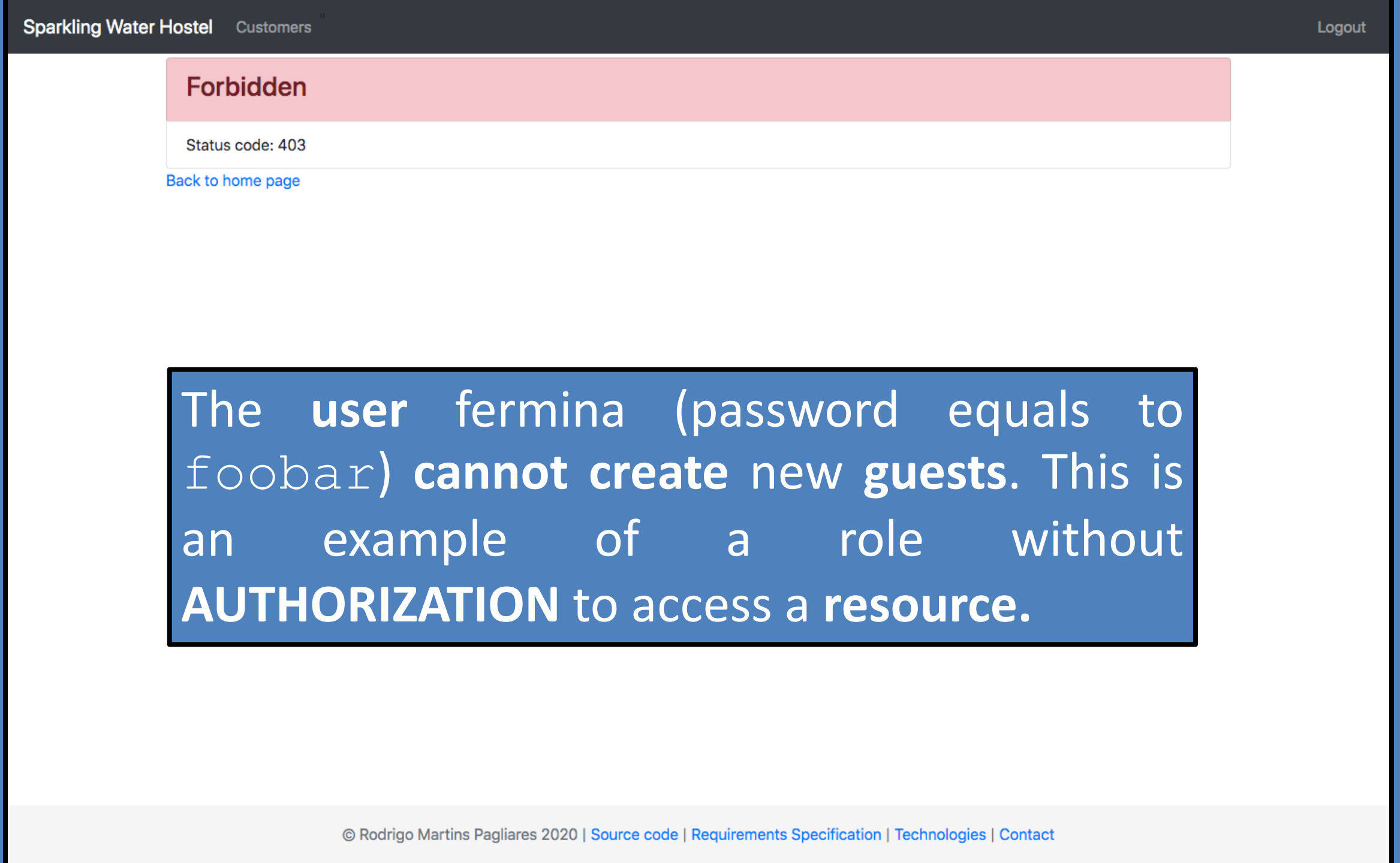
Showing 1 to 1 of 1 entries (filtered from 23 total entries)

Previous 1

After **login**, an **option** to **logout** appears. Let's **logout**.



Successful logout. Notice the **logout option becomes Login**.


Sparkling Water Hostel
Customers
Logout
Forbidden
Status code: 403
Back to home page
The **user** fermina (password equals to `foobar`) **cannot create** new **guests**. This is an example of a role without **AUTHORIZATION** to access a **resource.**
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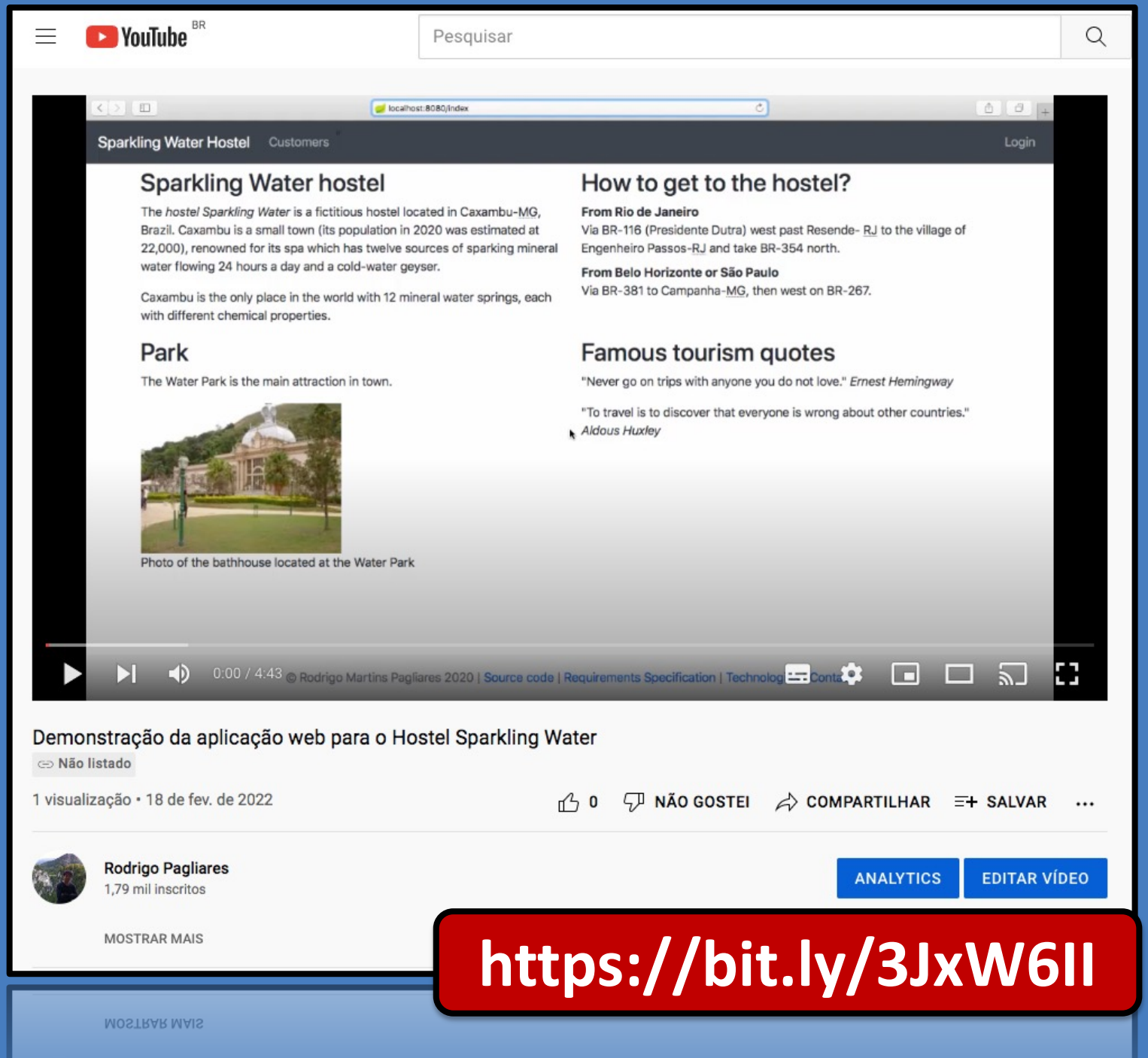
A screencast with demonstration of the web application is available at YouTube



https://bit.ly/3JxW6II

Questions?