Spring CRM REST - Update Customer

Real-Time Project

HTTP Method		CRUD Action
POST	/api/customers	Create a new customer
GET	/api/customers	Read a list of customers
GET	/api/customers/{customerId}	Read a single customer
PUT	/api/customers	Update an existing customer
DELETE	/api/customers/{customerId}	Delete an existing customer

Real-Time Project

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Application Interaction

REST Client

Customer REST Controller

Application Interaction

REST
Client

PUT   /api/customers

```
{
    "id" : 1,
    "firstName" : "Daniel",
    "lastName" : "Vega",
    "email" : "daniel.vega@luv2code.com"
}
```

Customer
REST
Controller

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Application Interaction

ID of customer to update
With updated info

PUT   /api/customers

```
{
    "id" : 1,
    "firstName" : "Daniel",
    "lastName" : "Vega",
    "email" : "daniel.vega@luv2code.com"
}
```

REST
Client

Customer
REST
Controller

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Application Interaction

ID of customer to update
With updated info

PUT   /api/customers

{
    "id" : 1,
    "firstName" : "Daniel",
    "lastName" : "Vega",
    "email" : "daniel.vega@luv2code.com"
}

REST Client

Customer REST Controller

{
    "id" : 1,
    "firstName" : "Daniel",
    "lastName" : "Vega",
    "email" : "daniel.vega@luv2code.com"
}

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Application Interaction

ID of customer to update
With updated info

PUT   `/api/customers`

```
{
    "id" : 1,
    "firstName" : "Daniel",
    "lastName" : "Vega",
    "email" : "daniel.vega@luv2code.com"
}
```

REST
Client

Customer
REST
Controller

```
{
    "id" : 1,
    "firstName" : "Daniel",
    "lastName" : "Vega",
    "email" : "daniel.vega@luv2code.com"
}
```

Response contains
updated info (echoed)

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Update Customer

File: CustomerRestController.java

```java
@RestController
@RequestMapping("/api")
public class CustomerRestController {
    …

    // add mapping for PUT /customers  - update existing customer

    @PutMapping("/customers")
    public Customer updateCustomer(@RequestBody Customer theCustomer) {



    }

}
```

Update Customer

File: CustomerRestController.java

```java
@RestController
@RequestMapping("/api")
public class CustomerRestController {
  …

  // add mapping for PUT /customers  - update existing customer

  @PutMapping("/customers")
  public Customer updateCustomer(@RequestBody Customer theCustomer) {

    customerService.saveCustomer(theCustomer);

    return theCustomer;
  }

}
```