



## ER - Exercicio Testing

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### Primera parte: Dynamic Testing

#### Enunciado.

Perform a dynamic testing session in [www.renfe.com](http://www.renfe.com), testing only 2 User Stories.

#### Definiciones necesarias.

- *Dynamic explicit testing:* In the execution of dedicated Test Cases by running software, the actual and expected result is compared to determine if the system behaves as it should.
- *Dynamic implicit testing:* While the course of Dynamic explicit testing, we discover information about the system for which no explicit Test Cases have been designed.

#### Testing session sheet (plantilla).

Name:

Testing session:

Mention what you're doing (e.g Dynamic testing session/Static testing of User Stories... )

Incidences

e.g

Bug 1: Term XXYY mentioned at User Story X is not the appropriate one.

Bug 2: User Story Y does not mention anything about XX.

...

## Dynamic testing sheet 1.

### User Story 1

As a customer, I want to be able to sign-up in renfe.com page, so I'm able to access to restricted content

- Register form screen should appear after clicking in "Registrar" button.
- All fields are mandatory, except "Segundo apellido", "Complemento de dirección" y "Complemento de número".
- Mandatory fields are marked with a "\*" close to the field.
- If "España" is selected as a country, "Provincia" should be transformed into a drop-down, containing all provinces alphabetically ordered. For the rest of countries, "Provincia" is a text field.
- Password should be at least 8 characters long, including at least, numbers, letters and a capital letter.

### Testing sheet

Name.

Sign up at renfe.com

Testing session.

Dynamic testing session of User Story: As a customer, I want to be able to sign-up in renfe.com page, so I'm able to access to restricted content

## Incidences.

Register form screen should appear after clicking in "Registrar" button.

- **Warning.** No está directamente en la página de inicio. Primero tienes que darle a "Bienvenido CLIENTES RENFE. IDENTIFÍCATE." y en esa página, ya puedes darle a "Registrar", botó que te lleva al formulario.

All fields are mandatory, except "Segundo apellido", "Complemento de dirección" y "Complemento de número".

- **Confirmación.**

The screenshot shows a registration form with the following fields and their status:

- Nombre: Text input field (not marked)
- Segundo Apellido: Text input field (marked with a question mark icon)
- Nacionalidad: Drop-down menu (marked with a question mark icon)
- Provincia: Drop-down menu (marked with a question mark icon)
- Código Postal: Text input field (not marked)
- Complemento de Dirección: Text input field (marked with a question mark icon)
- Complemento de Número: Text input field (marked with a question mark icon)
- Teléfono Móvil: Text input field (not marked)

Mandatory fields are marked with a "\*" close to the field.

- **Problema.** Solo aparece al final, y no hay ningún "\*" en los campos obligatorios.

### Todos los campos son obligatorios.

The screenshot shows a "DATOS PERSONALES" section with the following fields and their status:

DATOS PERSONALES	
Tratamiento:	<input type="radio"/> Sr. <input type="radio"/> Sra.
Primer Apellido:	Text input field (not marked)
Fecha de Nacimiento:	Date input field (not marked)
Nombre:	Text input field (not marked)
Segundo Apellido:	Text input field (marked with a question mark icon)
Nacionalidad:	Drop-down menu (marked with a question mark icon)

If "España" is selected as a country, "Provincia" should be transformed into a drop-down, containing all provinces alphabetically ordered. For the rest of countries, "Provincia" is a text field.

- **Confirmación.**

The screenshot shows a registration form with the following fields and a dropdown menu for "Provincia":

País del domicilio:	ESPAÑA	Provincia:	
Población:	Text input field	Código Postal:	Text input field
Dirección:	Text input field	Complemento de Dirección:	Text input field
Número:	Text input field	Complemento de Número:	Text input field
Prefix:	+34	Teléfono Móvil:	Text input field

The screenshot shows a registration form with the following fields and a dropdown menu for "Provincia":

País del domicilio:	CHIPRE	Provincia:	
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>Password should be at least 8 characters long, including at least, numbers, letters and a capital letter.

-  **Explicación.** Normalmente en estos formularios no te dicen que el problema es la contraseña si no es el único problema que hay en el formulario, es decir, que para saber exactamente las condiciones que ésta debe tener, me tendría que registrar con todos los otros campos llenos, y no creo que sea algo que haya hacer obligatoriamente para poder completar el ejercicio. Así que decidí no hacerlo.
-  **A favor.** Hay que decir, sin embargo, que si utilizo una contraseña con las características mencionadas, la "validez" de esta aparece como Fuerte.

Comprobar contraseña:



Fuerte

## Dynamic testing sheet 2.

### User Story 4

As a user, I want to access to my personal space with incorrect credentials, so he should be rejected.

- User should get a pop-up warning about the error.
- If some field is empty, the customer should get a warning with an error message different from the previous one.

### Testing sheet

Name.

Access with incorrect credentials

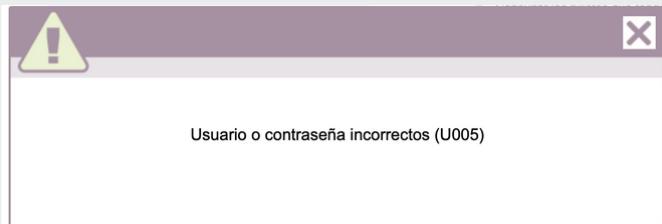
### Testing session.

Dynamic testing session of User Story: As a user, I want to access to my personal space with incorrect credentials, so he should be rejected.

## Incidences.

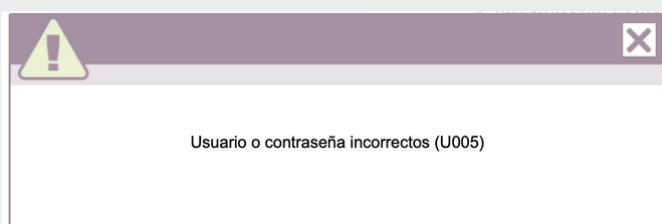
- ✓ User should get a pop-up warning about the error.

- ✓ Confirmación.



✗ If some field is empty, the customer should get a warning with an error message different from the previous one.

- ! Problema. Da exactamente el mismo error.



## Segunda parte: Static Testing

### Enunciado.

Once testing session is conducted, perform static testing on all User Stories provided in the document. Create a list of defects from requirements and modify User Stories accordingly.

### Definiciones necesarias.

- *Static testing:* Testing of end products without software being run (e.g test of requirements).

### US 1

As a customer, I want to be able to sign-up in renfe.com page, so I'm able to access to restricted content

- Register form screen should appear after clicking in "Registrar" button.
- All fields are mandatory, except "Segundo apellido", "Complemento de dirección" y "Complemento de número".

- Mandatory fields are marked with a “\*\*” close to the field.  
 No hace falta si debajo está explicado y hay marcadas explícitamente las partes opcionales.
- If “España” is selected as a country, “Provincia” should be transformed into a drop-down, containing all provinces alphabetically ordered. For the rest of countries, “Provincia” is a text field.
- Password should be at least 8 characters long, including at least, numbers, letters and a capital letter.  
 Creo que tendrían que explicitarlo en la propia página para poder testearlo sin tener que registrarse.

## US 2

As a user, I want to access to “My account” section, so that Log-in and Sign-up forms could be seen

- A link with the text “Bienvenido. Clientes Renfe. Identificate” appears at the top right page of the screen.
- “Clientes Renfe. Identificate” is a clickable link.
- Text is shown in 2 different lines.
- A logo appears at the left side of the page.
- Same disposition as the stated here is shown in mobile and tablet.

 Todo se cumple, excepto que no hay el “Bienvenido” en la versión mobile.

 No hay nada que quiera modificar.

## US 3

As a user, I want to access to my personal space with correct credentials.

- Log-in form is a form shown at the middle left side of “Mi cuenta” page.
- To complete a log-in we would need to introduce a correct email and password.
- Username and password sections are labelled “Usuario/email” and “Contraseña”.
- After introducing correct credentials and clicking in “Entrar” button, the personal space of the customer is shown.

 No tengo cuenta, así que no se si se cumple.

- The form is accessible from desktop and mobile. Also for the most important browsers.

 Solo está en versión desktop.

## US 4

As a user, I want to access to my personal space with incorrect credentials, so he should be rejected.

- User should get a popup warning about the error.
- If some field is empty, the customer should get a warning with an error message different from the previous one.

Quitaría este criterio, ya que el propio usuario sabe si ha dejado o no un campo sin rellenar.

## US 5

As a user, I want to ask for a forgotten password, so I'm able to access to the page again.

- "He olvidado mi contraseña" is a link that gives access to "He olvidado mi contraseña" page.
- An email should be received when writing it down in "Identificador" text.
- If the text field is not filled in, a popup error message should be shown.

Solo se pone el rectángulo del campo en rojo. Creo que eso es suficiente, así que cambiaría este criterio por: "If the text field is not filled in, the webpage should warn you somehow"

- A error message popup should appear if an email with an incorrect format is written down.

No lo hace. Solo pasa a la siguiente página y dice: "Si existe una cuenta asociada al identificador se enviará un correo con instrucciones para resetear la contraseña.".

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## Tercera parte: Dynamic Testing after modification

### Dynamic testing sheet 3.

#### User Story 4

As a user, I want to access to my personal space with incorrect credentials, so he should be rejected.

- User should get a pop-up warning about the error.

#### Testing sheet

##### Name.

Access with incorrect credentials

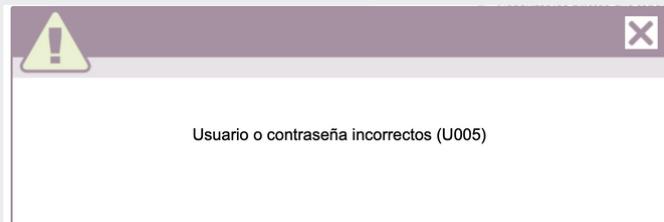
##### Testing session.

Dynamic testing session of User Story: As a user, I want to access to my personal space with incorrect credentials, so he should be rejected.

### Incidences.

 User should get a pop-up warning about the error.

-  Confirmación.



## Dynamic testing sheet 4.

### User Story 5

As a user, I want to ask for a forgotten password, so I'm able to access to the page again.

- "He olvidado mi contraseña" is a link that gives access to "He olvidado mi contraseña" page.
- An email should be received when writing it down in "Identificador" text.
- If the text field is not filled in, the webpage should warn you somehow.
- A error message popup should appear if an email with an incorrect format is write down.

### Testing sheet

#### Name.

Forgotten password

#### Testing session.

Dynamic testing session of User Story: As a user, I want to ask for a forgotten password, so I'm able to access to the page again.

## Incidences.

"He olvidado mi contraseña" is a link that gives access to "He olvidado mi contraseña" page.

- **Confirmación.**

The screenshot shows a login form titled "HE OLVIDADO MI CONTRASEÑA". At the top left is a "Volver" button. Below the title is a label "Identificador:" followed by an input field containing "Usuario / email". At the bottom is a purple "CONTINUAR" button.

An email should be received when writing it down in "Identificador" text.

- **Explicación.** No puedo saberlo porque no estoy registrada.

If the text field is not filled in, the webpage should warn you somehow.

- **Confirmación.**

The screenshot shows the same login form as before, but the "Identificador:" input field is empty and has a red border around it. The text "Usuario / email" is visible inside the field.

A error message popup should appear if an email with an incorrect format is write down.

- **Problema.** Directamente te lleva a la siguiente página:

The screenshot shows the same login form again. A message at the top says: "Si existe una cuenta asociada al identificador se enviará un correo con instrucciones para resetear la contraseña." Below this message is a purple "VOLVER" button.