

SnowTricks | Specifications

Project Context

Jimmy Sweat is an ambitious businessman. He wants to make a collaborative web site about snowboarding. His objective is to make known this sport and to help the learning of tricks. He wants to capitalize on members' contributions to develop rich content. Secondly, he wants to develop relations with snowboard brands thanks to the traffic that the content will have generated.

Functional specifications

Features

List of snow tricks

Just add 10 tricks, the rest will be added by the contributors.

Tricks management

Add, update and delete tricks.

Discussion space

Common space for all tricks.

Pages

Homepage

This page is accessible to all users

On load: Full screen image with button (at the bottom) to load and go to tricks section.

Tricks section

A “load more” button is displayed under the tricks list to display more tricks.

An up arrow at the bottom of tricks section is displayed to return to the top of the section if more than 12 tricks are displayed.

If the user is authenticated, for each trick, a pen icon button is displayed for trick update action, and a trash icon button for delete action (Delete action just opens a modal window for deletion confirmation).

Trick add page

This page is accessible to authenticated members.

Form with

- Name
- Description
- Category
- One or more illustrations
- One or more video(s) (text input for embed video tag)

After validation:

- If saving is complete, redirect the user to homepage and display a success flash message.

Trick view

This page is accessible to all users

Title

Name of trick with full screen background image

Background image

If no image is selected, use the first one by default, if no image has been added, use a default image.
If the member is authenticated, add a modification and a deletion button at the right top of the background heading image to be able to update or delete the trick.

Medias

Photos and videos

Responsive display:

- 3 by line on large screens
- button on mobiles to display or hide. (Hidden by default)

All medias are directly displayed (no limitation)

Trick description

Trick informations section

Category, creation time, update time (if update), author.
(Use badges)

Comments list

Comments are accessible to all users

pagination by 5 from the most recent to the oldest.

Displays a "load more button" at the bottom to display more comments.

If a member is logged in, displays a form (at the top of comments list) to be able to add a new comment.
(a member can add as many comments as he wishes)

Comment details:

- Complete author name
- Author picture
- Message creation date
- Content of the message

Trick update

This page is accessible to authenticated members

Same structure as Trick view but with modification/deletion buttons for:

- Heading background image
- Each media (add a card with two buttons to be able to add a new image or a new video: it will open a modal)
- Form with trick name, description and category and a delete button to remove the trick.

For mobiles screens, add a button to display media to be able to update or delete them individually.

Each component of a trick can be updated separately.

Sign-up

Form with:

- FirstName, LastName, Username, email and password fields
- "Already an account ?" link

After validation:

- A mail is sent to user with a security token to validate his account
- User is redirected to the homepage (he is not automatically authenticated)
- A flash message is displayed to notify the user that his account has been created.

Login

Form with

- username & password fields
- "Forgot password" link
- "Register" link (only for mobile devices)

After validation, the user is redirected to the homepage.

Forgot password

First step: email form

form with an account email field.

After validation:

- the user is redirected to a message page with:
 - a message "we sent you a link by email to reset your password."
 - a link to return to the home page.
- An email is sent to the user with a link to go to reset password page (with a security token)

Second step: reset password page

form with username & new password fields.

After validation:

- The member is redirected to the homepage (He is not authenticated.)
- A flash message is displayed with a reset password confirmation

Application structure

Navbar

For large screens, the navbar is displayed at the top with a logo on the left and a menu on the right with:

- Home
- Tricks
- Sign-in (if the user is not authenticated)
- Sign-up (if the user is not authenticated)
- Logout (if the member is authenticated)
- Account (if the member is authenticated)

On mobiles, the navbar is displayed at the bottom, the logo is hidden, and an icon menu is displayed with:

- A homepage link icon
- A tricks list icon
- A login icon (when the member is not authenticate) or a logout icon (when the member is authenticated)
- An account icon (when the member is authenticated)

Technical specifications

Framework

Symfony version Its [4.4]

PHP dependencies

Prod

symfony/security-bundle
symfony/form
symfony/validator
symfony/twig-pack
symfony/orm-pack
doctrine/doctrine-fixtures-bundle
doctrine/annotations
symfony/mailer
symfony/webpack-encore-bundle
symfony/test-pack

Dev

symfony/maker-bundle
symfony/profiler-pack
symfony/webpack-encore-bundle
symfony/phpunit-bridge
phpmd/phpmd
squizlabs/php_codesniffer

Frontend dependencies

Dev

Bootstrap 5.0
List.js
Cropperjs
Sass-loader
Sass

Database

MySQL

Data

All snowboard tricks must be present when the web application is initialized.

SEO

It is necessary that the pages URLs allow a quick understanding of what the page represents and that SEO is facilitated.

Design

The website must be responsive.

The design of the website is left completely free

Structure must respect provided wireframes.

Entities

Tricks

Name must be unique.

Images are stored in the server.

Videos are not directly stored in the server, they are stored as embed videos links.