UD1. Activity 4

GRAPHIC USER INTERFACE DESIGN PRINCIPLES

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UD1. Activity 4

In this activity we are going to use **Bootstrap** to create the structure of our homepage that we designed in activity 2. We will also use the different elements from activity 3: colour palette, logo, typography, etc.

This can be done in two stages:

1. Create the general structure using the Bootstrap grid system (thinking in both designs: mobile and desktop). You can first use dummy images with this generator: https://dummyimage.com

2. Apply your own styles by creating a css. Optionally, if you have time, you can find out about other Bootstrap classes that are used to add style to some elements like buttons, images, etc.

BOOTSTRAP

The website structure is defined as follows:

Directory	Files	Concept
Root	Index.html	main website file.
css	estils.css	css file to customize the website.
fonts	BAHNSCHRIFT.TTF	typography chosen in the guide style.
img	*.png, *.jpg	images directory for the web.

Source Project: https://github.com/abarcelogarcia/abarcelogarcia.github.io

I have used Bootstrap in its latest version 5.3.2 with CDN link for both CSS and JS

```html
<!doctype html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>BloggIN</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN" crossorigin="anonymous">
    <link href='https://fonts.googleapis.com/css?family=Roboto' rel='stylesheet'>
    <link rel="stylesheet" href="css/estils.css">
</head>

<body class="bg-page">
```

```html
            </div>
        </div>

        <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js"
            integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r"
            crossorigin="anonymous"></script>
        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.min.js"
            integrity="sha384-BBtl+eGJRgqQAUMxJ7pMwbEyER4l1g+O15P+16Ep7Q9Q+zqX6gSbd85u4mG4QzX+"
            crossorigin="anonymous"></script>
</body>

</html>
```

Grid System

I have defined two main container types. One *container-fluid* class for the header and footer and another *container* class for the main content.

```html
<header class="sticky-top">
    <div class="container-fluid navbar-bg" id="navbar">

        <!-- LOGO & LOGIN BAR -->
        <div class="row align-items-center">

            <!-- Use display bootstrap class for swap logo

            <!-- Mobile -->
            <div class="col p-2 d-sm-none">
                <a class="d-sm-none" data-bs-toggle="offca
                    aria-controls="menu topics">
```

```html
        <!-- Section with 1 container. Contains 2 carousel
        <section>
            <div class="container">
                <!-- mobile 1 column / desktop 2 columns -
                <div class="row row-cols-1 row-cols-sm-2">
                    <div id="carouselSport1" class="carouse
                        <h1 class="topic">Sport</h1>
                        <div class="carousel-inner">
                            <div class="carousel-item acti
                                <article>
                                    <div class="col">
                                        <div class="card b
                                            <div class="ro
```

I have also used rows and col classes to organize the structure of the web more easily.

```html
<!-- TOPICS BAR -->
<!-- Hide topics bar in mobile resolution -->
<div class="container-fluid text-center d-none d-sm-block">

    <div class="row">
        <div class="col mb-2">
            <a class="topic" href="#sports">Topic</a>
        </div>
        <div class="col">
            <a class="topic" href="#health">Topic</a>
        </div>
        <div class="col">
            <a class="topic" href="#sport2">Topic</a>
        </div>
        <div class="col">
            <a class="topic" href="#health2">Topic</a>
        </div>
        <div class="col">
            <a class="topic" href="#">Topic</a>
        </div>
        <div class="col">
            <a class="topic" href="#">Topic</a>
        </div>
    </div>
</div>
```

Breakpoints

I have used breakpoints to organize the grid according to the screen resolution and make it more responsive.

One of them is display bootstrap class (d-) for display the logo that corresponds to its resolution (sm) and replace the theme bar with the hamburger button.

```html
<!-- LOGO & LOGIN BAR -->
<div class="row align-items-center">

    <!-- Use display bootstrap class for swap logo depends its resolution -->

    <!-- Mobile -->
    <div class="col p-2 d-sm-none">
        <a class="d-sm-none" data-bs-toggle="offcanvas" href="#topics" role="button"
            aria-controls="menu_topics">
            <img src="img/button_hamburguer.png" alt="menu_topics" class="d-sm-none">
        </a>
        <a href="index.html">
            <img src="img/LogoBloggIn_m.png" alt="logo_m" class="d-sm-none">
        </a>
    </div>

    <!-- Desktop -->
    <div class="col p-2 d-none d-sm-block">
        <a href="index.html">
            <img src="img/LogoBloggIn.png" alt="logo" class="d-none d-sm-block">
        </a>
    </div>
</div>
```

Also show the number of columns depending on whether it is a mobile or desktop version.

```html
<div class="container">
    <!-- mobile 1 column / desktop 2 columns -->
    <div class="row row-cols-1 row-cols-sm-2">
        <div id="carouselSport1" class="carousel slide">
            <h1 class="topic">Sport</h1>
            <div class="carousel-inner">
                <div class="carousel-item active">
                    <article>
                        <div class="col">
                            <div class="card bg-page mx-5 border-0">
                                <div class="row g-2">
                                    <div class="col-md-4 text-center my-2">
                                        <img src="img/sport1.png" class="img-fluid rounded-start"
                                            alt="sport1">
                                    </div>
```

Gutters

The use of spaces between the different elements is essential. For this I have used both margins and paddings throughout the website.

```html
<!-- Section most current -->
<section id="most_current">
    <div class="heading my-2">
        <div class="row align-items-center">
            <div class="col">
                <div class="ms-2">
                    Most current by topic
                </div>
            </div>
            <div class="col-auto">
                <img class="img-fluid" src="img/logo_headings.png" alt="logo_headings">
            </div>
        </div>
    </div>
</div>
```

```html
<!-- Mobile -->
<div class="col p-2 d-sm-none">
    <a class="d-sm-none" data-bs-toggle="offcanvas" href="#topics" role="button"
        aria-controls="menu_topics">
        <img src="img/button_hamburguer.png" alt="menu_topics" class="d-sm-none">
    </a>
    <a href="index.html">
        <img src="img/LogoBloggIn_m.png" alt="logo_m" class="d-sm-none">
    </a>
</div>
```

```html
    <div class="card bg-page mx-5 border-0">
        <div class="row g-2">
            <div class="col-md-4 text-center my-2">
                <img src="img/sport1.png" class="img-fluid rounded-start"
                    alt="sport1">
            </div>
            <div class="col-md-8">
                <div class="card-body">
                    <h5 class="card-title">Title</h5>
                    <p class="card-text">Lorem ipsum dolor sit amet
                        consectetur
                        adipisicing
```
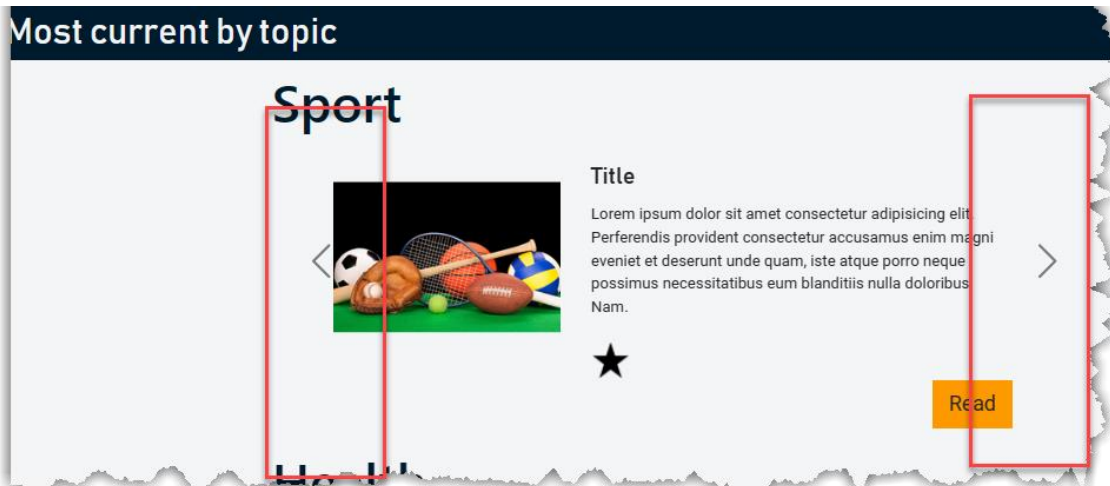
Guide Style

To follow the guide style of the website that I designed in activity 3, I have created CSS classes and modified the Bootstrap ones.

I have defined the colors and fonts in a css file to easily assign them to classes.

```css
:root {

    /* COLORS */

    --blanco-corp: #f3f5f7;
    --azul-corp: #001B2E;
    --rojo-corp: #CC0000;
    --amarillo-corp: #FF9900;
    --verde-corp: #294C60;
    --gris_corp: #ADB6C4;


    /* FONTS */
    --titulo: 'Bahnschrift';
    --texto: 'Roboto';
}


.navbar-bg {
    background-color: var(--gris_corp);
}

.bg-page {

    background-color: var(--blanco-corp);
}

.heading {
    background-color: var(--azul-corp);
    font-family: var(--titulo);
    font-size: 28px;
    color: var(--blanco-corp);

}

.topic,
.topic a {

    color: var(--azul-corp);
    text-decoration-line: none;
```

I have applied the carousel class to be faithful to the initial design.

```
<div id="carouselSport1" class="carousel slide">
    <h1 class="topic">Sport</h1>
    <div class="carousel-inner">
        <div class="carousel-item active">
            <article>
                <div class="col">
                    <div class="card bg-page mx-5 border-0">
                        <div class="row g-2">
                            <div class="col-md-4 text-center my-2">
                                <img src="img/sport1.png" class="img-fluid rounded-start"
                                    alt="sport1">
                            </div>
                            <div class="col-md-8">
                                <div class="card-body">
                                    <h5 class="card-title">Title</h5>
                                    <p class="card-text">Lorem ipsum dolor sit amet
                                        consectetur
                                        adipisicing
                                        elit.
                                        Perferendis
                                        provident consectetur accusamus enim magni eveniet et
                                        deserunt unde
                                        quam, iste atque
                                        porro neque possimus necessitatibus eum blanditiis nulla
                                        doloribus. Nam.
                                    </p>
                                    <img src="img/star.png" alt="star">
                                    <div class="text-end">
                                        <button class="btn btn-amarillo">Read</button>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
```

Most current by topic

Sport

Title

Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis provident consectetur accusamus enim magni eveniet et deserunt unde quam, iste atque porro neque possimus necessitatibus eum blanditiis nulla doloribus. Nam.

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Read

For the login screen, I have used a modal following the main idea of the project.


```html
<!-- Modal Login -->
<div class="modal fade" id="login" data-bs-keyboard="false
    aria-hidden="true">
    <div class="modal-dialog modal-sm">
        <div class="modal-content">
            <div class="modal-header">
                <h1 class="modal-title fs-5 w-100 text-cen
                <img src="img/button_login.png" alt="finge
            </div>
            <div class="modal-body">
                <form action="/forms/contact.html" method=
                    <div class="mb-3">
                        <input type="text" class="form-con
                    </div>
                    <div class="mb-3">
                        <input type="password" class="form
                            placeholder="Password">
                    </div>
                    <div class="mb-3">
                        <a class="btn" data-bs-toggle="col
                            aria-expanded="false" aria-cont
                            Not registred yet?
                        </a>
                    </div>
                    <div class="collapse" id="collapseRegi
                        <div class="mb-3">
                            <input type="text" class="form
                                placeholder="Name">
                        </div>
                        <div class="mb-3">
                            <input type="text" class="form
                                aria-describedby="surname
                        </div>
                        <div class="mb-3">
                            <input type="text" class="form
                                aria-describedby="address
                        </div>
                        <div class="mb-3">
                            <input type="text" class="form
                                placeholder="Age">
                        </div>
                    </div>
```