Term project „Static web site "

for *Technologies for web publishing I* (ATPW1) subject

Student data

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Project summary

Project title:	Jódar international website
Annotation:	*This project is trying to introduce the little town Jódar in the international term. Contains all information of the town for every tourist who wants to visit this small but nice town.*

The „Analysis and design" part

1. Project contractor

Who is the project contractor (real or fictitious) and what requirements he/she has?

Jódar's government

2. Target group

For what target groups (at least two) is the web site intended

The target group is people who want to visit this little Spanish and unknown town.

3. Information needs

What information will be contained on the site and what information needs (at least ten) will they cover

In the website you can find all the relevant information about Jódar. You can find the location, as well as a map, size, population. Also there is information about traditions, different historical monuments, the history of Jódar, the main neighbourhoods and its natural parks, which you can preview in a lot of photographies of the town and a promotional video. Besides, information about entertainment can be found in the website.

4. Partition into pages

How will be the information needs partitioned into HTML pages of the site? The site should be composed of at least five pages

The website is divided in 5 HTML pages:
- *Home: The Index of the website. Information about location, maps, video and several images.*
- *History: The history of Jódar accompanied by old images.*
- *Our Town: Population, information of the main neighbourhoods, natural heritage, information about crafts and museums.*
- *Culture: Historical parts of the city and monuments of interest.*
- *What to do: Information about how to spend the entertainment time.*

5. Layout of the content

How will be the layout of the pages designed? Create wireframe models (using wireframe editor, or sketching by hand). For each page, give one wireframe model. If pages share one layout design, it is sufficient to give it once.

Create wireframe models for all size device variants used in your project.

Links to some wireframe editors:
- Enterprise Architect
- https://webdesign.tutsplus.com/articles/a-beginners-guide-to-wireframing--webdesign-7399
- http://mashable.com/2010/07/15/wireframing-tools/#cqEZrwR82Zq5
- https://blog.capterra.com/free-and-open-source-wireframe-tools/

The wireframe models are attached in a file.

6. Hypertext structure

What is the hypertext structure of the pages of the site, i.e. how will be the pages interconnected by hyperlinks? Give the hypertext structure using suitable editor (e.g. CmapTools https://cmap.ihmc.us/, VUE http://vue.tufts.edu/, any graphical editor) or draw it by hand. Give the hypertext link direction by an oriented link.

It is also possible to give the hypertext structure as a plain text. You can write "it is possible to get from every html page of the site to any of the rest of the pages of the site" and that's it (well, if it is indeed true ☺)

It is possible to get from html page of the site to any of the rest of the pages of the site.

The „Implementation" part

7. URL of the project

Where the project is published.

lide.uhk.cz/fim/student/justiiv1/Home.html

8. Text content size (in number of words).

Give the number of all words of the text content of all the pages of the site.

4158 words

9. Examples of application of the following elements in the project.

Give examples according to the requirements given bellow. Copy the HTML, CSS and/or JS code from the project.

9.1. Structural semantic element (header, nav, aside, footer, section, article).

```
<!doctype html>
<html>
<head>
</head>

<body>

<header id="mainHeader">
</header>

<figure id="shield">
</figure>


<nav class="dropdown">
</nav>

<section>
    <article>
    </article>

    <figure id="banner">
    </figure>
```

```html
    <article>
    </article>
</section>

<footer>
</footer>
</body>
</html>

<!doctype html>
<html>
<head>
</head>

<body>
<header id="mainHeader">
</header>

<figure id="shield">
</figure>

<nav class="dropdown">
</nav>

<section>
    <article class="artWithImg">
      <figure>
            <figcaption></figcaption>
      </figure>
    </article>

    <article class="artWithImg">
        <figure>
            <figcaption></figcaption>
        </figure>

    </article>

    <article class="artWithImg">
        <figure>
            <figcaption></figcaption>
        </figure>
    </article>
</section>
<footer>
</footer>
</body>
</html>
<!doctype html>
<html>
<head>
</head>

<body>
<header id="mainHeader">
</header>
```

```
<figure id="shield">
</figure>

<nav class="dropdown">
</nav>

<section>
    <article class="artWithImg">
      <figure>
            <figcaption></figcaption>
      </figure>
    </article>

    <article class="artWithImg">
        <figure>
            <figcaption></figcaption>
        </figure>
    </article>

    <article class="artWithImg">
        <figure>
            <figcaption></figcaption>
        </figure>
    </article>

</section>
<footer>
</footer>
</body>
</html>
```

```
<!doctype html>
<html>
<head>
</head>


<body>
<header id="mainHeader">
</header>

<figure id="shield">
</figure>

<nav class="dropdown">
</nav>
<section>
    <article>
    </article>

    <figure id="imgOurTown" id="breaker">
    </figure>

    <article class="artWithImg">
        <figure>
            <figcaption></figcaption>
        </figure>
    </article>
```

```html
            <article class="artWithImg">
                <figure>
                    <figcaption></figcaption>
                </figure>
            </article>
            <article class="artWithImg">
                <figure>
                        <figcaption></figcaption>
                </figure>
            </article>

            <article>
            </article>

            <figure id="imgOurTown">
            </figure>

            <article>
            </article>

            <figure id="imgOurTown">
            </figure>

            <article>
            </article>

            <article>
             </article>
             <article>
             </article>
</section>

<footer>
</footer>
</body>
</html>
```

```html
<!doctype html>
<html>
<head>
</head>

<body>
<header id="mainHeader">
    </hgroup>
</header>

<figure id="shield">
</figure>

<nav class="dropdown">
</nav>

<section>
    <article class="artWithImg">
```

```html
        </article>

        <article class="artWithImg">
            <figure>
            </figure>
        </article>

    <article class="artWithImg">
        <figure>
        </figure>
    </article>
    <article class="artWithImg">
        <figure>
        </figure>
      </article>

    <article class="artWithImg">
        <figure>
        </figure>
      </article>

    <article class="artWithImg">
        <figure>
        </figure>
    </article>
</section>

<footer>
</footer>
</body>
</html>
```

```html
<!doctype html>
<html>
<head>
</head>

<body>
<header id="mainHeader">
</header>

<figure id="shield">
</figure>

<nav class="dropdown">
</nav>
<section>
    <article>
    </article>

    <article class="artWithImg">
    </article>
        <figure id="banner" class="breaker">
        </figure>


</section>
<footer>
```

```
</footer>
</body>
</html>
```

9.2. Implementation of the responsivity.

Style declaration for three different-size device variants and for print version.

```
@media print{
      body{
            font-size:40%;
      }
      nav{
            display:none;
      }
      article{
            page-break-after:always;
      }

      #breaker{
            page-break-before: always;
      }

      .artWithImg p{
            font-size:90% ;
      }
      .artWithImg figure{
            width:35%;
            max-width:35%;
            border: none;


      }
      .artWithImg figure img{
            width:100%;
            height: 100%;
      }

      #imgOurTown{
            display:none;
      }

      #imgOurTown .myImg{
            display: none;
      }
      .iFrame{
            display:none;
      }
}
@media screen and (min-width:768px) and (max-width: 1024px){
      body{
            font-size:50% ;
      }
      #shield img{
            height:25% ;
            width:25%;
      }
```

```css
        #navList{
                width:100%;
                padding-left:0;
        }
        .dropdown{
                width:100%;
                display:flex;
                justify-content:center;
                flex-wrap:wrap;
        }
        .dropdown-content{
                flex:75%;
                max-width:75%;
                margin:1% auto;
        }
        #banner{
                width:100%;
                display:flex;
                justify-content:center;
                align-items:flex-start;
                flex-wrap:wrap;
        }
        .modal-content {
                width: 60%;
                max-width: 60%;
        }
        .iFrame iframe{
                width:75%;
        }
        .artWithImg figure{
                width: 25%;
                height:25%;
                margin:4% auto ;
        }

        .artWithImg figure img{
                width:100%;
                height:100%;
        }

        #imgOurTown img{
                width:35%;
                height:35%;
        }
}

@media screen and (min-width:600px) and (max-width: 767px) {
        body{
                font-size:35%;
        }
        #shield img{
                height:25% ;
                width:25%;
        }
        .imgColumn {
        flex: 25%;
        max-width: 25%;
```

```css
        }
        #navList{
                width:100%;
                padding-left:0;
        }

        #banner{
                width:100%;
                display:flex;
                justify-content:center;
        }
        .modal-content {
                width: 45%;
                max-width: 45%;
        }
        .iFrame{
                width:75%;
        }
        .iFrame iframe{
                margin:2% auto;
        }
        .dropdown{
                width:100%;
                display:flex;
                flex-wrap:wrap;
        }
        .dropdown-content{
                flex:75%;
                max-width:75%;
                margin:1% auto;
        }

        .artWithImg figure{
                width: 25%;
                height:25%;
                margin:4% auto ;
        }

        .artWithImg figure img{
                width:100%;
                height:100%;
        }
        #imgOurTown img{
                width:35%;
                height:35%;
        }

}
@media screen and (min-width: 319px) and (max-width: 599px){
        body{
                font-size:45%;
        }
        #mainHeader hgroup h1{
                font-size:1em ;
        }
        #shield img{
                height:60% ;
```

```css
        width:60%;
}
section h1{
        width:75% ;
        padding-left:5%;
}
#navList{
        display:block ;
        margin-bottom: 3%;
        padding-left:0;
}
#banner {
        display:flex;
        justify-content:center;
}
#banner img{
        width:25% ;
        height:25%;
}

.modal{
        padding-top:20%;
}
.modal-content {
        width: 100%;
        max-width: 100%;
}


article{
        display:flex ;
        flex-wrap:wrap ;
}

.iFrame iframe{
        width:100%;
        border: double #000000;
}

footer{
        font:0.7em ;
        width:100% ;
        float:center ;
        word-wrap:wrap;
}

#imgOurTown{
        float:left ;
        width:100%;
        margin:0 auto ;
        display:flex;
        justify-content:space-around ;


}
#imgOurTown img{
        width:50%;
        height:50%;
```

```css
}

.artWithImg figure{
      width: 75%;
      height:100%;
      margin:4% auto ;
}

.artWithImg figure img{
      width:100%;
      height:100%;
}
.imgColumn {
flex: 25%;
max-width: 25%;
      max-height: 25%;
}

#mainHeader hgroup h2{
      display:none;
}

section h2{
      width:75%;
}

.dropdown {
      float: left;
      width: 30%;
      margin-left: 12%;
      display: inline-block;
}

.dropbtn {
      display:flex;
      font:4em "Kaushan" ;
      width:100%;
      justify-content: space-around ;
      border-right:none ;
      border-bottom:solid #069 ;
      border-left:dashed #069 ;
      border-bottom-left-radius:20px ;
}

i{
      border: dashed black;
      border-width: 0 4px 4px 0;
      display: inline-block;
      margin-top: 13%;
      margin-left: 19%;
      padding: 5px;
}
.down {
      transform: rotate(45deg);
      -webkit-transform: rotate(45deg);
}
```

```
.dropdown-content {
        display:none ;
        position: absolute;
        width:45%;
        padding-bottom:0;
        background-color: #CCC ;
        z-index: 1;
        border-top: solid #069;
        border-radius:0 25px 0 25px;
}

.dropdown-content a {
        text-decoration: none;
        display: block;
}

.dropdown-content a:hover {background-color: transparent;}
.dropdown:hover .dropdown-content {display: block;}
.dropdown:hover .dropbtn {background-color: transparent;}

}
```

9.3. Inclusion of multimedia content.

Integration of video, audio into HTML5 code.

```
<iframe width="560" height="315" src="https://www.youtube.com/embed/04uqvFGjzQ8"
frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-
in-picture" allowfullscreen></iframe>
```

9.4. Usage of JavaScript elements.

Complementary interactive functionality.

```
// Get the modal
var modal = document.getElementById('myModal');
function fullScreen(img){
      // Get the image and insert it inside the modal - use its "alt" text as a
caption
      var image = document.getElementsByClassName("myImg")[img];
      var modalImg = document.getElementById("img01");
      modal.style.display = "block";
      modalImg.src = image.src ;

}

// Get the <span> element that closes the modal
var span = document.getElementsByClassName("close")[0];

// When the user clicks on <span> (x), close the modal
span.onclick = function() {
  modal.style.display = "none";
}
```

Checklist

This protocol of the term project has to contain the following items:

- ☐ Contractor
- ☐ Target groups
- ☐ Information needs
- ☐ Site partition into pages
- ☐ Content layout design
- ☐ Hypertext structure

- ☐ Project public location (URL)
- ☐ Text content size (in number of words)
- ☐ Structural semantic elements used
- ☐ Description of responsivity implementation
- ☐ Multimedia content reference
- ☐ Usage of JavaScript elements for interactive functionality