ASTANA IT UNIVERSITY

Project Documentation

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TS-2001/TS-2002

Project Title: AITU Library Website	
Project Description:	layout of the online library of our university. On the site you can see new books available, use the borrow book function.
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Introduction.
This is the documentation for our midterm project. Create an online library layout using knowledge of HTML, CSS and Bootstrap. In this documentation, the goals of this project, the requirements of the project, the course of work, conclusions will be stated.
The project is layout of the AITU Library Website. The website will contain 3 pages: a home page, available books and a page for Borrow a Book. The task of the site is to provide comfortable work, the ability to borrow a book, view available books, new books.

Project Objectives.
Create an online library website layout for our university, demonstrate our knowledge of HTML, CSS and Bootstrap skills.

Project Requirements.
Create a layout for the website of the AITU University Library. The Homepage should have Header with navigation bar, Body div with a carousel that highlights newly arrived items, Body div with best books available, Body div with subscription databases. Here you can use either the Bootstrap grid or CSS flexbox, Footer with contacts. Page "Books" should contain: Header with a navigation bar, Body div with at least 6 books available with the name, picture, and description. Here you must use the Bootstrap grid or CSS grid, Footer with contacts. Page "Borrow a book" should contain: Header with a navigation bar, Body div with a Mailchimp form to reserve a book (must include a reservee name, student id, date/time, phone number, and email), Footer with contacts. Design should be nice, everything should be responsive, adaptive.

Progress.
1) Idea of Design
The design of our site must comply with the above requirements. We decided not to invent it from scratch, but to take some kind of template as a basis. We took a suitable variant as an idea. This template served as our foundation. What the site should look like in the end.

2) Beginning of work/Homepage
Having finally decided on the appearance of the site and its structure, we got down to work. The HTML code starts with Head section that contains the attributes and links that we need.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible"content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="s
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <title>University Web Template</title>
    <link rel="stylesheet" href="style.css">

</head>
```

Next, the body section starts with the Header, in which we placed the navigation bar, using the knowledge of Bootstrap.

```
<body>
 <!--header-->
 <header>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
     <!-- Container wrapper -->
<div class="container-fluid">
 <!-- Navbar brand -->
 <a href="#" class="navbar-brand">Astana IT University</a>
 <!-- Toggle button -->
 <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" >
    <i class="fa fa-bars"></i>
 </button>
```

Navbar contains: Navbar brand, ref buttons to Homepage, Catalog, About, Recommendarions and Contacts. Also it has banner AITU libary

```
<!-- Collapsible wrapper -->
<div class="collapse navbar-collapse" id="navbarSupportedContent">
  <ul class="navbar-nav mx-auto">
   <!-- Link -->
   <li class="nav-item active">
    <a class="nav-link" href="#">Home</a>
   </li>
   <li class="nav-item">
    <a class="nav-link" href="#about">About</a>
   </li>
   <li class="nav-item">
    <a class="nav-link" href="#recommendation">Recommendation</a>
   </li>
   <li class="nav-item">
    <a class="nav-link" href="/catalog/main.html">Catalog</a>
   </li>
   <li class="nav-item">
    <a class="nav-link" href="#contact">Contact</a>
   </li>
  </ul>
 </nav>
 <div class="banner">
    <div class="container">
      <h1 class="banner-title">
        <span>AITU.</span>Library
      </h1>
      <p>Transformation into a basic structural center for information support of current educational, research and
```

CSS parameters

```css
.banner{
    flex: 1;
    display: flex;
    align-items: center;
    justify-content: center;
    text-align: center;
    color: #fff;
}
.banner-title{
    font-size: 3rem;
    font-family: var(--Playfair);
    line-height: 1.2;
}
.banner-title span{
    font-family: var(--Playfair);
    color: var(--exDark);
}
.banner p{
    padding: 1rem 0 2rem 0;
    font-size: 1.2rem;
    text-transform: capitalize;
    font-family: var(--Roboto);
    font-weight: 300;
    word-spacing: 2px;
}
```

```css
header{
    min-height: 100vh;
    background: linear-gradient(rgba(0, 0, 0,
    display: flex;
    flex-direction: column;
    justify-content: stretch;
}
.navbar{
    text-transform: uppercase;
    font-size: 14px;
    font-weight: 700;
    letter-spacing: 0.2rem;
    background: rgba(0,0,0,0.6) !important;
    padding: 20px 0;
}

.navbar-dark .navbar-nav .nav-link{
    color: #fff;
    padding-left: 20px;
}
```

3) About

then we decided to add a section about us, in which we will indicate a little information about our library. contains lines of text, a picture and a title

```html
<!-- about -->
<section class = "about" id = "about">
    <div class = "container">
        <div class = "about-content">
            <div>
                <img src = "img/qtq80-vpLkx7.jpeg" alt = "">
            </div>
            <div class = "about-text">
                <div class = "title">
                    <h2>About Us</h2>
                </div>
                <p>Astana IT University prepares qualified specialists according to the st
                <p>Development of information functions, the accumulation of third-party a
            </div>
        </div>
    </div>
</section>
<!-- end of about -->
```

CSS part

```css
/* about */
.about{
    padding: 4.5rem 0;
}
.about-text{
    margin: 2rem 0;
}
.about-text > p{
    font-size: 1.1rem;
    padding: 0.6rem 0;
    opacity: 0.8;
}
.about h2{
    text-align: center;
}
```

4) Caousel/Newly Arrived Books

further our task was to create a carousel, which will consist of new books that have appeared. We've created a carousel using Bootstrap. We added the pictures we needed.

```html
<h2 class="post-heading text-center">Newly Arrived Books</h2>
<div class="container slider">
  <div id="carouselExampleControls" class="carousel slide" data-bs-ride="carousel">
    <div class="carousel-inner">
      <div class="carousel-item active">
        <img src="/home/img/Image11.jpg" class="d-block w-100" >
      </div>
      <div class="carousel-item">
        <img src="/home/img/Image22.jpg" class="d-block w-100" >
      </div>
      <div class="carousel-item">
        <img src="/home/img/Image33.jpg" class="d-block w-100">
      </div>
      <div class="carousel-item">
        <img src="/home/img/Image44.jpg" class="d-block w-100">
      </div>
    </div>
    <button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="visually-hidden">Предыдущий</span>
    </button>
    <button class="carousel-control-next" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="next">
      <span class="carousel-control-next-icon" aria-hidden="true"></span>
      <span class="visually-hidden">Следующий</span>
    </button>
  </div>
</div>
```

CSS

```css
.carousel {
    width:400px;
    height:500px;
    margin:auto
}
```

5) Recommendations

so in this section we wanted to add some books as recommended, do it in the form of an Item.

```html
<!-- available books -->
<div id="recommendation"></div>
<section class = "books" id = "books">
    <div class = "container">
        <div class = "title pt-5">
            <h2>The Best Technology Books about IT to Read Now</h2>
        </div>

        <div class = "book-content">
            <!-- item -->
            <div class = "book-item">
                <div class = "book-img">
                    <img src = "img/The-Four.jpg" alt = "">
                </div>
                <div class = "book-title">
                    <a href = "#">The Four: The Hidden DNA of Amazon, Apple, Facebook, and Google</a>
                </div>
            </div>
            <!-- end of item -->
```

added three books and used CSS to animate them so that when you hover the crusor, the scale changes

```css
.book-item:hover img{
    transform: scale(1.2);
}
.book-img span:first-of-type{
    position: absolute;
    z-index: 1;
    top: 10px;
    left: 10px;
    background: var(--exDark);
    color: #fff;
    padding: 0.25rem 1rem;
}
.book-img span:last-of-type{
    position: absolute;
    z-index: 1;
    bottom: 10px;
    right: 10px;
    color: #fff;
    font-weight: 700;
    font-size: 1.1rem;
}
```

6) Subscription Databases
Subscription Databases section, here we have added Online Libraries Databases to which our students can have access.

```html
<!-- subscription -->
<section class = "subscription" id = "subscription">
  <div class = "container">
    <div class = "title">
      <h2>Subscription Databases</h2>
    </div>
    <div class = "subscription-content">
      <!-- item -->
      <div class = "subscription-item">
        <div class = "subscription-img">
          <img src = "img/ebsco.png" alt = "">
        </div>
        <div class = "subscription-text">
          <h2>World Public Library</h2>
          <p>Website: search.ebscohost.com<br>
          Direction: Interdisciplinary database.<br>
          Description: Today, the World Public Library Collection has more than 3,000,000+
          <a href = "http://search.ebscohost.com">Read More</a>
        </div>
```

CSS

```css
/*subscription*/
.subscription{
    background: #f9f9f9;
    padding: 4.5rem 0;
}
.subscription-content{
    margin: 2rem 0;
}
.subscription-img{
    position: relative;
}
.subscription-img span{
    position: absolute;
    bottom: 10px;
    right: 10px;
    background: var(--exDark);
    color: #fff;
    font-size: 1.4rem;
    padding: 0.3rem 0.6rem;
}

.subscription-text{
    margin: 2.2rem 0;
    padding: 0 1rem;
}
.subscription-text span{
    font-weight: 300;
    display: block;
    padding-bottom: 0.5rem;
}
.subscription-text h2{
    font-family: var(--Playfair);
    padding: 1rem 0;
    font-size: 1.65rem;
    font-weight: 500;
}
.subscription-text p{
    font-weight: 300;
    font-size: 1.1rem;
    opacity: 0.9;
    padding-bottom: 1.2rem;
}

.subscription-text a{
    font-family: var(--Roboto);
    font-size: 1.1rem;
    text-decoration: none;
    color: var(--dark);
    display: inline-block;
    background: var(--dark);
    color: #fff;
    padding: 0.55rem 1.2rem;
    transition: all 0.5s ease;
}
.subscription-text a:hover{
    background: var(--exDark);
}
```

7)Footer/Contacts

At the end of the page, there is a footer and grid system contacts that we created with Bootstrap. There are links to github, instagram, telegram and twitter.

```html
<!--footer with contacts-->

<div id="contact"></div>
 <footer>
  <p>Social network</p>
  <div class = "social-links">
    <a href="https://twitter.com/Arsen94548629?s=09">
     <i class="fa fa-twitter"></i>
    </a>
    <a href="https://www.instagram.com/aa.morii" >
     <i class="fa fa-instagram" ></i>
    </a>
    <a href="https://github.com/arsbatman" >
     <i class="fa fa-github"></i>
    </a>
    <a href="https://t.me/SH1R0_MAR1M0" >
     <i class="fa fa-telegram"></i>
    </a>
  </div>
  <p class="copyright">Copyright All Rights Reserved 2021, Astana IT University</p>
 </footer>
<!-- end of footer -->
```

8) Catalog

The catalog page contains of 6 available books with a title, a description, a picture that we decided to make in the form of cards using Bootstrap.

```html
<div id="catalog" class="container mt-3 mt-5 pt-5">
 <div class="post-heading text-center">
   <h3 class="display-4 font-weight-bold text-light">Catalog</h3>
   <hr class="dashed">
 </div>
 <div class="row">
   <div class="col-lg-4 col-md-6 col-12 pb-5">
     <div class="card mb-3" style="max-width: 540px;">
       <div class="inner">
        <img src="/catalog/img/clean_code.jpg" class="card-img-top" height="540">
       </div>
        </div>
        <div class="card">
         <div class="card-body">
           <h5 class="card-title"><strong>Clean Code: A Handbook of Agile Software Craftsmanship b
           <p class="card-text">Poorly written code can bring a project to its knees, which is why
             <br>TIP: <em>Read Clean Code after getting through Code Complete since it deals with

           <a href="..." class="btn btn-dark">Borrow</a>
         </div>
       </div>
```