**O‘ZBEKISTON RESPUBLIKASI AXBOROT TEXNOLOGIYALARI VA KOMMUNIKATSIYALARINI RIVOJLANTIRISH VAZIRLIGI**

**MUHAMMAD AL-XORAZMIY NOMIDAGI TOSHKENT AXBOROT TEXNOLOGIYALARI UNIVERSITETI**

“Dasturiy injirirngga kirish” fani

Amaliy ish

***Mavzu: Dasturiy ta`minot prototipini yaratish***

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#### Mavzu: Dasturiy ta'minot prototipini yaratish.

**Dasturiy ta'minot prototipi** - dasturiy ta'minot dasturlarining prototiplarini yaratish, ya'ni ishlab chiqilayotgan dasturiy ta'minotning to'liq bo'lmagan versiyalari. Dasturiy ta'minotni ishlab chiqish jarayonida yuzaga keladigan va mashinasozlik yoki ishlab chiqarish kabi boshqa sohalardan ma'lum bo'lgan prototiplar bilan solishtirish mumkin bo'lgan faoliyatdir. Prototip esa odatda faqat bir nechta yo'nalishlarni takrorlaydi va yakuniy mahsulotdan mutlaqo farq qilishi mumkinligini hisobga olish ham kerak.

Prototip o’zi nima? Prototip bu kontseptsiyani yoki jarayonni sinab ko'rish yoki takrorlash yoki o'rganish kerak bo'lgan narsa sifatida ishlash uchun qurilgan mahsulotning erta namunasi, modeli yoki chiqarilishi. Bu semantika, dizayn, elektronika va dasturiy ta'minotni o'z ichiga olgan turli kontekstlarda ishlatiladigan atamadir. Odatda sistema tahlilchilari va foydalanuvchilar tomonidan aniqlikni oshirish uchun yangi dizaynni baholash uchun prototip ishlatiladi. Prototip turish nazariy jihatdan emas, balki haqiqiy, ishlaydigan tizimning o'ziga xos xususiyatlarini taqdim etishga xizmat qiladi. Ba'zi dizayn ish modellarida prototip yaratish (ba'zan materializatsiya deb ataladigan jarayon) bu fikrni rasmiylashtiruvchi va baholashning qadamidir. Prototip jarayoni 4 bosqichlar o’z ichiga oladi. Ularni sanab o’tilsa, asosiy talablarni aniqlash; dastlabki prototipni ishlab chiqish; ko’rib chiqish; prototipni qayta ko’rib chiqish va takomlillashtirish bosqichlari.

Men dasturiy ta’minot protitpimni yaratish uchun “O`quv markazi ” web saytini ishlab chiqdim.



Nega aynan bunday sayt? Chunki ko`plab abuturiyentlar, talabalar, maktab o`quvchilari qandaydir fanlardan tayyorlanmoqchi bo`lsalar kimga tayyorlanishni yoki qanday fanlarni o`rganishni bilmay juda ko`p xollarda sarson – sargardon bo`lib yurishadi.

Bularni oldini olish maqsadida bu web saytni ishlab chiqdim. Bu websaytim foydalanuvchilar uchun bir qancha qulayliklar olib keladi. Misol tariqasida bu saytda foydalanuvchilar qaysi fandan tayyorlanmoqchi bo`lsa o`sha fanga shu vaqta boraman deb belgilab quysa buladi. Uning uchun avval saytdan ro`yxatdan o`tishlari talab qilinadi. Ro`yxatdan o`tgan foydalanuchi bir qancha qo`shimcha imkonyatlarga ega bo`linadi. Shunday qilib bu web sayt foydalanunchilarga ishini tezda bitirshiga va hakazolar uchun yordam beradi.

Demak endi web saytimni kod qismi bilan tanishamiz

1-HTML

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="./bootsrap/css/bootstrap.css">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.1.1/animate.min.css">

    <link rel="stylesheet" href="./css/style.css">

    <title> Portfilo web sayt </title>

</head>

<body>

        <!-- 1-qism logo va search bo`limlari -->

  <div class="orqa">

        <nav class="navbar navbar-expand-sm badge-secondary navbar-dark justify-content-between">

            <img  class="logo"  src="./images/logo.png" width="" alt="LOGO">

            <form class="bosh">

                <h4>Qo`ng`iroq qiling</h4>

                <p>+998 91 471 14 02</p>

                <p>+998 33 471 14 02</p>

            </form>

            <form class="form-inline" action="/action\_page.php">

              <input class="form-control mr-sm-2" type="text" placeholder="Search">

              <button class="btn btn-success" type="submit">Search</button>

            </form>

          </nav>

  </div>

        <!-- 2-qism menyular bo`limi -->

    <nav class="navbar navbar-expand-sm bg-dark navbar-dark justify-content-md-center">

      <ul class="navbar-nav">

          <li class="nav-item">

            <a class="nav-link" href="#">Bosh saxifa</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="#">Yangiliklar</a>

          </li>

          <!-- Dropdown -->

          <li class="nav-link">

            Maqolalar

          </li>

          <li class="nav-item">

             <a class="nav-link" href="#">O`quv kurslari</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="#">Ro`yxatdan o`tish</a>

         </li>

        </ul>

  </nav>

        <!-- 3-qism Asosiy bo`limi -->

        <section class="home">

          <div class="container">

            <div class="row">

              <div class="col-md-4 my-3">

                <div class="card">

                  <div class="card-header">

                    <img src="./images/1.jpg" class="w-100" alt="">

                  </div>

                  <div class="card-body">

                    <h5>Lorem, ipsum dolor.</h5>

                    <p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Aperiam libero repellendus animi exercitationem laboriosam veniam sed totam nesciunt, magnam eos.</p>

                  </div>

                  <div class="card-footer" >

                    <button type="button"  class="btn btn-success">Kirish</button>

                  </div>

                </div>

              </div>

              <div class="col-md-4 my-3">

                <div class="card">

                  <div class="card-header">

                    <img src="./images/2.jpg" class="w-100" alt="">

                  </div>

                  <div class="card-body">

                    <h5>Lorem, ipsum dolor.</h5>

                    <p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Aperiam libero repellendus animi exercitationem laboriosam veniam sed totam nesciunt, magnam eos.</p>

                  </div>

                  <div class="card-footer" >

                    <button type="button"  class="btn btn-success">Kirish</button>

                  </div>

                </div>

              </div>

              <div class="col-md-4 my-3">

                <div class="card">

                  <div class="card-header">

                    <img src="./images/3.jpg" class="w-100" alt="">

                  </div>

                  <div class="card-body">

                    <h5>Lorem, ipsum dolor.</h5>

                    <p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Aperiam libero repellendus animi exercitationem laboriosam veniam sed totam nesciunt, magnam eos.</p>

                  </div>

                  <div class="card-footer" >

                    <button type="button"  class="btn btn-success">Kirish</button>

                  </div>

                </div>

              </div>

                </div>

              </div>

          </div>

      </section>

      <header>

        <div class="carousel slide" id="karusel" data-ride="carousel">

            <ul class="carousel-indicators">

                <li class="active" data-target="#karusel" data-slide-to="0"></li>

                <li data-target="#karusel" data-slide-to="1"></li>

                <li data-target="#karusel" data-slide-to="2"></li>

                <li data-target="#karusel" data-slide-to="3"></li>

            </ul>

            <div class="carousel-inner">

                <div class="carousel-item active">

                    <img src="images/aga-putra-P\_p4NGz5Cb4-unsplash.jpg" alt="" class="w-100">

                    <div class="carousel-layer d-flex justify-content-end align-items-center">

                        <h3 class="text-white">"Yangilanishlar" <br> mavzusida davra suhbati</h3>

                    </div>

                </div>

                <div class="carousel-item">

                    <img src="images/aleks-dorohovich-nJdwUHmaY8A-unsplash.jpg" alt="" class="w-100">

                    <div class="carousel-layer d-flex justify-content-end align-items-center">

                        <h3 class="text-white">"O`quv markazi" </h3>

                    </div>

                </div>

                <div class="carousel-item">

                    <img src="images/cloud\_covered\_bridge\_hd\_macbook-1366x768.jpg" alt="" class="w-100">

                    <div class="carousel-layer d-flex justify-content-end align-items-center">

                        <h3 class="text-white">"Yosh avlodni diniy tarbiyasi" </h3>

                    </div>

                </div>

                <div class="carousel-item">

                    <img src="images/1.jpg" alt="" class="w-100">

                    <div class="carousel-layer d-flex justify-content-end align-items-center">

                        <h3 class="text-white">"Qadimiy madrasalar xaqida" </h3>

                    </div>

                </div>

            </div>

        </div>

    </header>

      <footer>

        <div class="container-fluid text-center bg-dark bg-primary">

          <a href="##" class="text-decoration-none pr-5">SMARTDEV.UZ</a>

          <a href="##" class="text-decoration-none pr-3">Biz haqimizda</a>

          <a href="##" class="text-decoration-none pr-3">Bizning xizmatlar</a>

          <a href="##" class="text-decoration-none pr-3">Bog'lanish</a>

          <br><br>

          <a href="##" class="text-decoration-none text-center">Websayt yasaldi Rahmatullayev Javohir tomonidan</a>

        </div>

      </footer>

    </div>

    </div>

</div>

</div>

      <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

      <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

      <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

    <script src="./js/app.js"></script>

</body>

</html>

2 - CSS kod qismi

body{

    color: #444;

}

:root

{

    --colorDefault: white;

    --coloryellow: #fecb2e;

}

.home

{

    background-color:#444;

    background-size: cover;

    background-attachment: fixed;

    background-repeat: no-repeat;

    height: 40rem;

}

.nav-item, li

{

    margin:0px 10px ;

    font-size: 18px;

    color: var(--colorDefault);

}

.logo

{

    width: 15%;

    height: 130px;

}

.nav-link

{

    color: var(--colorDefault)!important;

}

.nav-link:hover

{

    color: var(--coloryellow)!important;

}

.w-100:hover{

    transform: scale(1.1);

}

.bosh h4, p{

    margin: 0;

    padding: 0;

}

.navbar

{

    position: sticky;

    top: 0px;

    z-index: 1;

}

.carousel-caption

{

    bottom: 220px;

}

.carousel-caption > h3

{

    font-size: 45px;

    margin: 25px;

    text-transform: uppercase;

    font-family: 'Noto Serif', serif;

}

.dropdown-item{

 color: white;

}

/\* :hover.dropdown-item{

    columns: grey;

} \*/

.col-md-4{

 margin: bottom 20px;;

}

nav{

    color: #444;

}

.container{

    color: #444;

}

.w-100{

    height: 300px;

}

body header .carousel .carousel-item .carousel-layer {

    position: absolute;

    left: 0;

    top: 0;

    right: 0;

    bottom: 0;

    background-color: rgba(200, 166, 214, 0.5);

}

    body header .carousel .carousel-item .carousel-layer h3 {

      margin-right: 10%;

      font-size: 2vw;

    }

  .body header .carousel .carousel-indicators li {

    width: 10px;

    height: 10px;

    border-radius: 100%;

    background-color: transparent;

    border: 2px solid rgb(116, 55, 55);

    opacity: 1; }

 .body header .carousel .carousel-indicators li.active {

      background-color: #ad2828;

      border: none;

      width: 14px;

      height: 14px;

     }

Web sayt ko`rinishi



