

Akademija tehničko-umetničkih strukovnih studija Beograd

Odsek Visoka škola za informacione i komunikacione tehnologije



Dokumentacija sajta <http://forge.epizy.com/>

Projekat: <https://github.com/npivalica/forgue>

Predmet: Web programiranje PHP1

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Smer: Internet tehnologije

Modul: Web programiranje

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Uvod

Tema sajta „forge“ je prikaz svih servisa i informacija koje jedna banka pruža i Content Management System kojim se taj sadržaj dostavlja.

Korišćeni programski jezici

Prilikom izrade sajta korišćeni su PHP, HTML i CSS u okruženju Visual Studio Code.

Opis funkcionalnosti

Funkcionalnosti sajta su da se i za public i za staff deo sajta subjects i pages isčitavaju dinamički iz baze podataka.

Staff delu se pristupa samo ako ste admin koji ima pravo da dodaje, menja i briše subjects, pages i druge staff korisnike. Obezbeđena je potpuna CRUD funkcionalnost.

Pri dodavanju ili menjanju pages omogućen je zaštićeni preview stranice, ukoliko još uvek nije spremna da se smesti na public deo i bude vidljiva.

Template

Public



index.php

```

<?php require_once('../private/initialize.php'); ?>
<?php
$preview = false;
if (isset($_GET['preview'])) {
    // previewing should require admin to be logged in
    $preview = $_GET['preview'] == 'true' && is_logged_in() ? true : false;
}
$visible = !$preview;
if(isset($_GET['id'])){
    $page_id = $_GET['id'];
    $page = find_page_by_id($page_id, ['visible' => $visible]);
    if (!$page) {
        redirect_to(url_for('/index.php'));
    }
    $subject_id = $page['subject_id'];
}
else{
    //nothing is selected, show the static homepage
}
?>
<?php include(SHARED_PATH . '/public_header.php'); ?>
<div id="main">
    <?php include(SHARED_PATH . '/public_navigation.php'); ?>
    <div id="page">
        <?php
        if (isset($page)) {
            # show page from database
            echo $page['content'];
        } else {
            //static homepage with dynamic content, but which will be overrun
            with dynamic page content
            include(SHARED_PATH . '/static_homepage.php');
        }
        ?>
    </div>
</div>
<?php include(SHARED_PATH . '/public_footer.php'); ?>

```

public_header.php

```

<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
    shrink-to-fit=no" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

```

```

    <meta name="description" content="This is home page for forge bank where
you can read all about our services and latest news." />
    <meta name="keywords" content="bank, forge, loan, mortgage, home" />
    <meta name="robots" content="noindex,follow" />
    <meta name="language" content="english">
    <link rel="stylesheet" media="all" type="text/css" href="<?php echo
url_for('/stylesheets/public.css'); ?>" />
    <link rel="shortcut icon" href="<?php echo url_for('favicon.ico'); ?>"
/>
    <title>forge
        <?php
        if (isset($page_title)) {
            echo '- ' . htmlspecialchars($page_title);
        }
        if (isset($preview) && $preview) {
            echo ' [PREVIEW]';
        }
        ?>
    </title>
</head>
<body>
    <header>
        <h1>
            <a href="<?php echo url_for('/index.php'); ?>">
                
            </a>
        </h1>
    </header>

```

public_navigation.php

```

<?php
$subject_id = $subject_id ?? '';
$page_id = $page_id ?? '';
$visible = $visible ?? true;
?>
<navigation>
    <?php $nav_subjects = find_all_subjects(['visible' => $visible]); ?>
    <ul class="subjects">
        <?php foreach ($nav_subjects as $nav_subject) { ?>
            <li class="<?php if ($nav_subject['id'] == $subject_id) {echo
'selected';} ?>">
                <a href="<?php echo url_for('index.php'); ?>">
                    <?php echo htmlspecialchars($nav_subject['menu_name']); ?>
                </a>
            }
        }
    </ul>

```

```

        <?php $nav_pages = find_pages_by_subject_id($nav_subject['id'],
['visible' => $visible]); ?>
        <ul class="pages">
            <?php foreach ($nav_pages as $nav_page) { ?>
                <li class="<?php if ($nav_page['id'] == $page_id) { echo
'selected';} ?>">
                    <a href="<?php echo url_for('index.php?id=' .
htmlspecialchars(urlencode($nav_page['id']))); ?>">
                        <?php echo htmlspecialchars($nav_page['menu_name']); ?>
                    </a>
                </li>
            <?php } //end of the loop for pages ?>
        </ul>
    </li>
    <?php } //end of the loop for subjects ?>
    <li><a href="<?php echo url_for('/staff/index.php'); ?>"
target="_blank">Staff Area</a></li>
</ul>
</navigation>

```

public_footer.php

```

<footer>
    <p>Copyright <?php echo date('Y'); ?>, forge </p>
    <p><a href="<?php echo url_for('/dokumentacija.pdf'); ?>"
target="_blank">Documentation</a></p>
    <p>This is a fictitious company created by <a href="<?php echo
url_for('/author.php'); ?>">Nikolina Pivalica 9/17</a>, solely for the
purposes of Web Programming PHP1 course.</p>
</footer>
<script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.mi
n.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="<?php echo url_for('/scripts/main.js'); ?>"></script>
</body>
</html>

```

Staff

forge Staff Area

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index.php

```
<?php require_once('../../private/initialize.php'); ?>
<?php require_login(); ?>
<?php $page_title = 'Staff Menu'; ?>
<?php include(SHARED_PATH . '/staff_header.php'); ?>
<div id="content">
    <div id="main-menu">
        <h2>Main Menu</h2>
        <ul>
            <li>
                <a href="<?php echo url_for('/staff/subjects/index.php');
?>">Subjects</a>
            </li>
            <li>
                <a href="<?php echo url_for('/staff/pages/index.php');
?>">Pages</a>
            </li>
            <li>
                <a href="<?php echo url_for('/staff/admins/index.php');
?>">Admins</a>
            </li>
        </ul>
    </div>
</div>
<?php include(SHARED_PATH . '/staff_footer.php'); ?>
```

staff_header.php

```
<?php
if (!isset($page_title)) {
    $page_title = 'Staff Area';
}
?>
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no" />
    <meta name="description" content="This is forge staff area." />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="robots" content="noindex,follow" />
    <meta name="language" content="english">
    <meta name="keywords" content="cms, staff, subjects, pages, bank, forge"
/>
    <link rel="stylesheet" type="text/css" media="all" href="<?php echo
url_for('/stylesheets/staff.css'); ?>" />
    <link rel="shortcut icon" href="<?php echo url_for('favicon.ico'); ?>"
/>
    <title>forge - <?php echo htmlspecialchars($page_title); ?></title>
</head>
<body>
    <header>
        <h1>forge Staff Area</h1>
    </header>
    <navigation>
        <ul>
            <?php if (is_logged_in()) { ?>
                <li>User: <?php echo $_SESSION['username'] ?? ''; ?></li>
                <li><a href="<?php echo url_for('/staff/index.php');
?>">Menu</a></li>
                <li><a href="<?php echo url_for('/staff/logout.php'); ?>">Log
out</a></li>
            <?php } ?>
        </ul>
    </navigation>
    <?php echo display_session_message(); ?>
```

staff_footer.php

```
<footer>
```



```

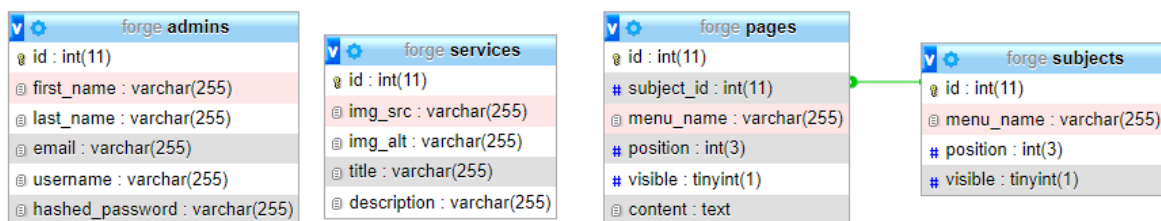
&copy; <?php echo date('Y') ?> forge
</footer>
<script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.mi
n.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="<?php echo url_for('/scripts/main.js'); ?>"></script>
</body>
</html>

```

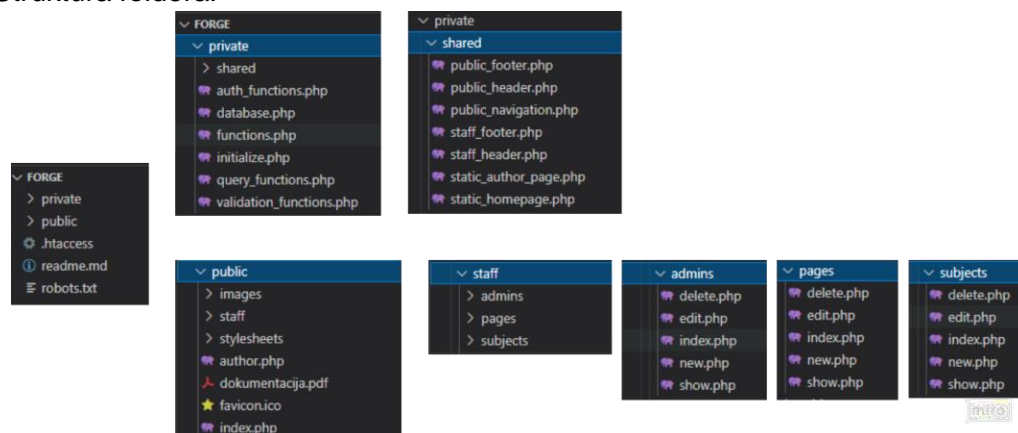
Organizacija

Organizaciona šema

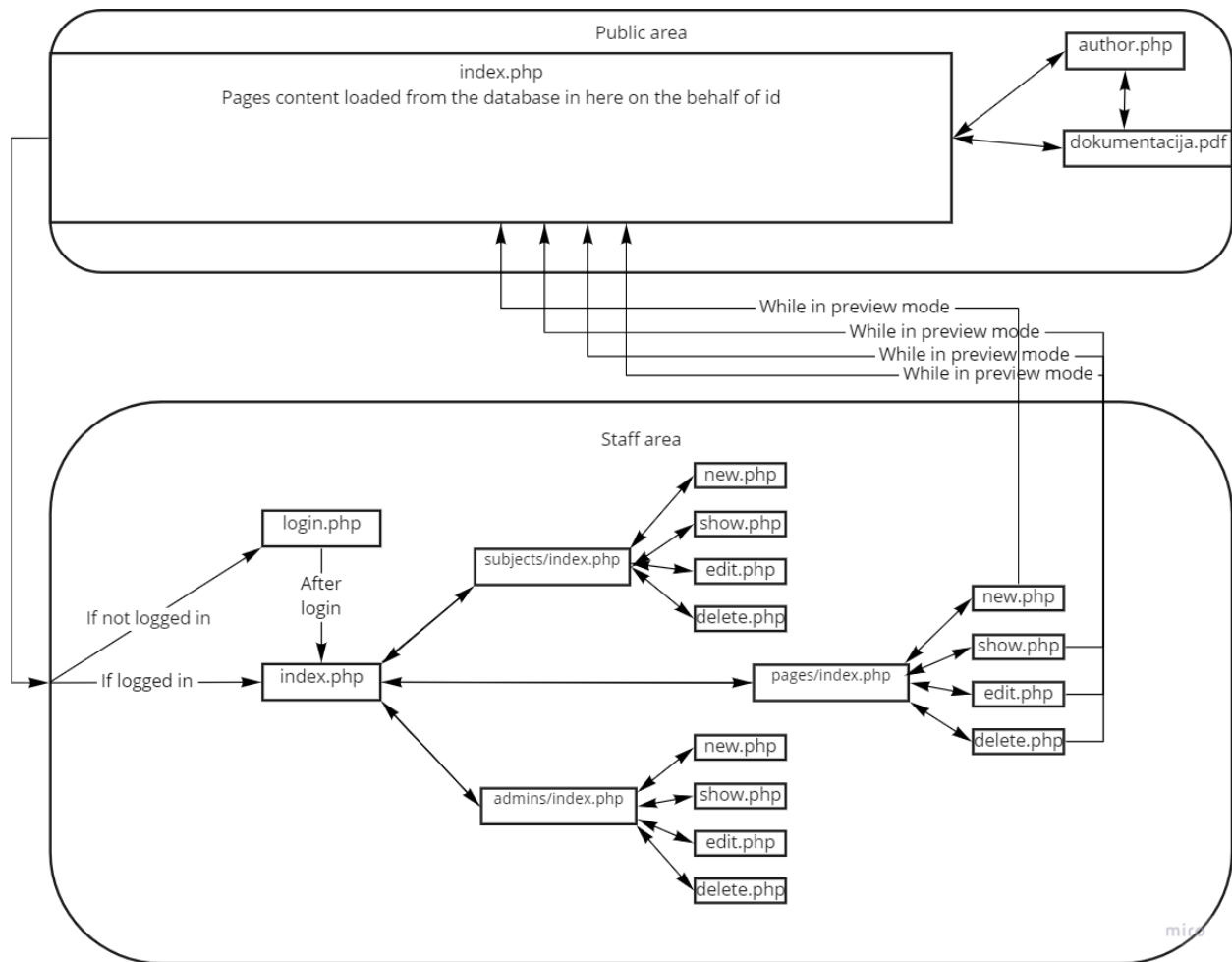
Organizaciona šema baze podataka:



Struktura foldera:



Organizaciona šema sajta:



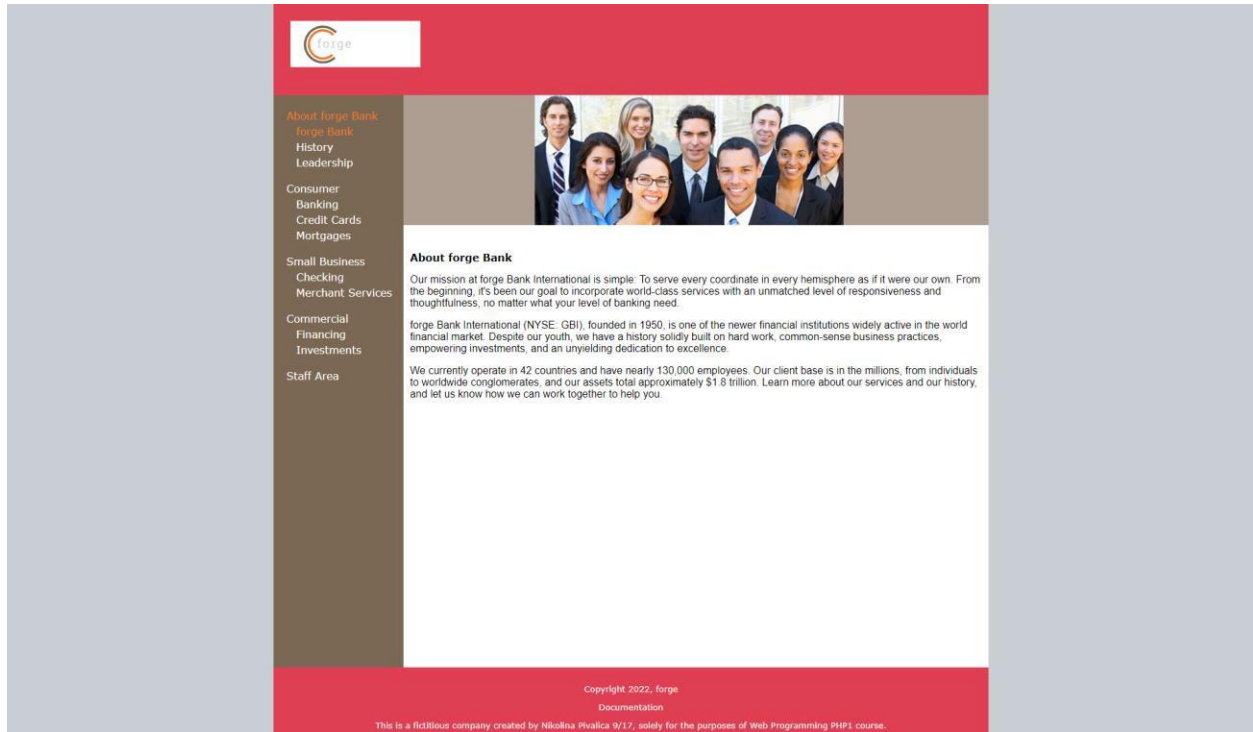
Mapa sajta

```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
<url>
<loc>http://forge.epizy.com</loc>
<lastmod>2022-05-03T19:00:28+00:00</lastmod>
</url>
<url>
<loc>http://forge.epizy.com/public/staff/login.php</loc>
<lastmod>2022-05-03T19:00:28+00:00</lastmod>
</url>
</urlset>
```

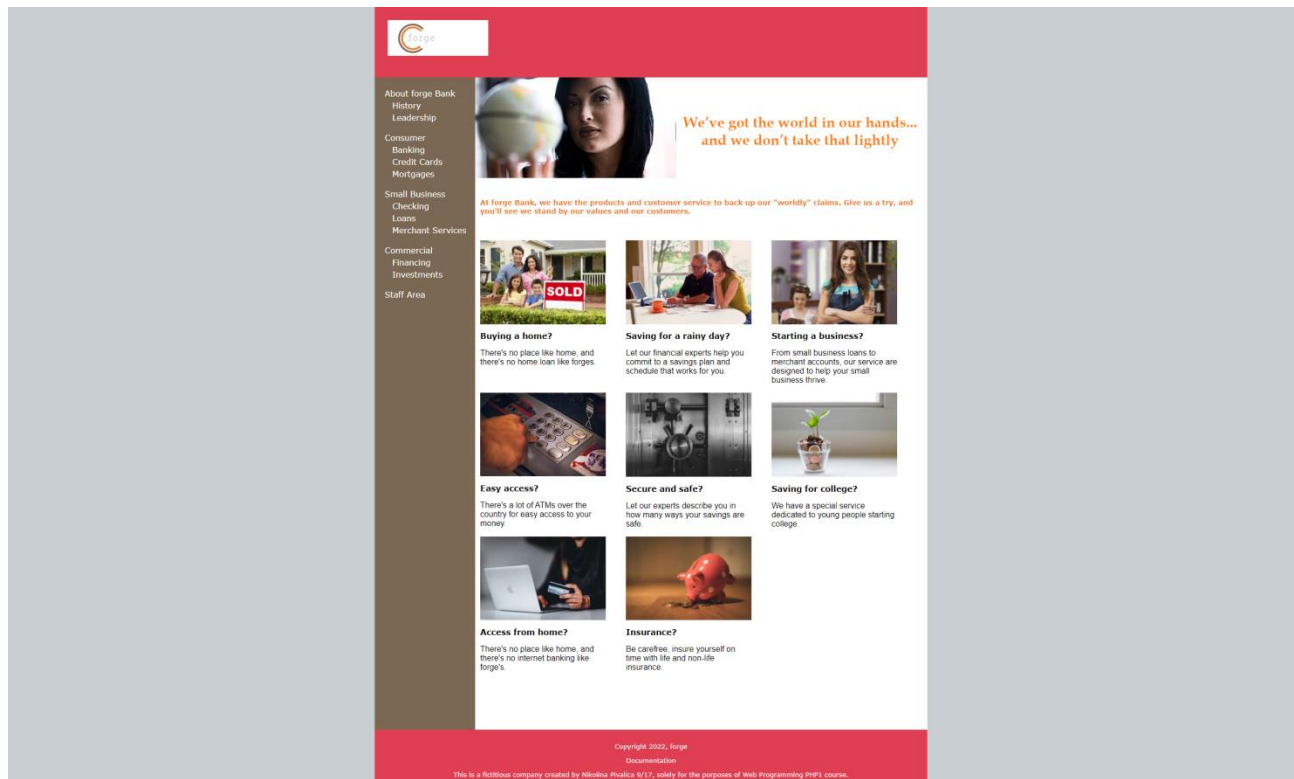
Slike stranica i opisi funkcionalnosti

Public index.php

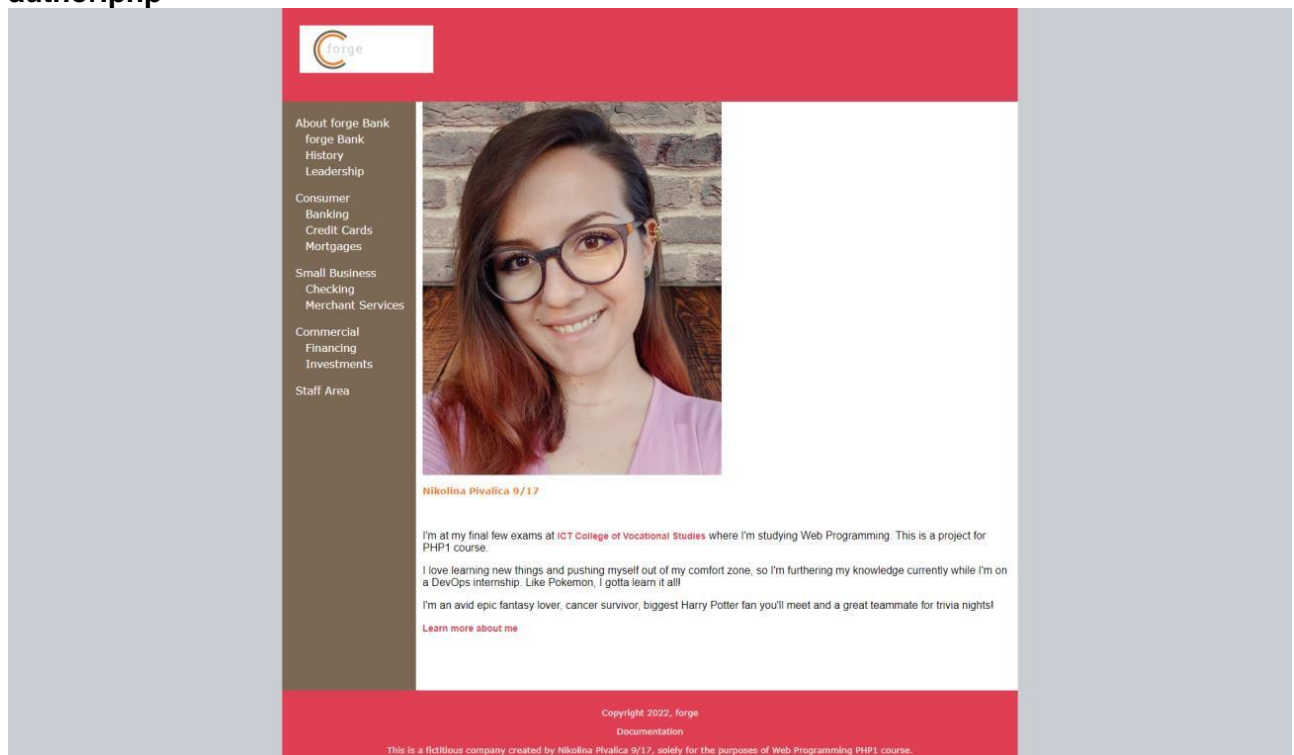
Dinamičko ispisivanje menija i sadržaja stranica u okviru index.php na osnovu prosleđenog id-a iz podmenija. Kada se izabere podmeni iz menija, prikladno su istaknuti. Takodje, linkovi menija su u daljem tekstu Subjects a linkovi podmenija Pages.



Pri dolasku na početnu stranicu, kada se nijedan podmeni ne bira, prikazuje se početna stranica sa dinamički izgenerisanim blokovima sadržaja (slika, naslov i tekst) i u ovom slučaju nijedan (pod)meni nije istaknut. Dinamički sadržaj se dohvata iz baze prikladnom funkcijom.



author.php



Staff

Pristup "staff area" se može postići samo ako ste ulogovani.

login.php

Pri logovanju navigacija i log out akcija nisu dostupni.

forge Staff Area

Log in

Username:

Password:

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index.php

Nakon što se izvrši logout akcija, preusmeravanje se vrši na login stranicu. Meni je vidljiv samo ulogovanim korisnicima. Akcija logout-vanja se može izvršiti sa svake stranice Staff panela.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

Main Menu

- [Subjects](#)
- [Pages](#)
- [Admins](#)

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subjects/index.php

Može se kreirati novi subject, videti postojeći, kao i izmeniti i obrisati subject.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

Subjects

[Create New Subject](#)

ID	Position	Visible	Name			
1	1	true	About forge Bank	View	Edit	Delete
2	2	true	Consumer	View	Edit	Delete
3	3	true	Small Business	View	Edit	Delete
5	4	true	Commercial	View	Edit	Delete

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subjects/new.php

Dodavanje subject-a u bazu podataka sa funkcionalnošću da menu name mora biti unique i danas pozicionira na prvu sledeću slobodnu poziciju i može se izabrati da li će odmah biti vidljivo na public delu sajta ili ne.

Može se vratiti na listu subjects-a. Validacija podataka.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

[« Back to List](#)

Create Subject

Menu Name

Position

5 ▾

Visible

☐

Create Subject

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forge Staff Area

User: adminuser [Menu](#) [Log out](#)

The subject was created successfully.

[« Back To List](#)

Subject: Testing

Menu Name	Testing
Position	5
Visible	false

subjects/edit.php

Takođe proverava da li je menu name unique.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

[« Back to List](#)

Edit Subject

Menu Name	<input type="text" value="About forge Bank"/>
Position	<input type="text" value="1"/> ▼
Visible	<input checked="" type="checkbox"/>
<input type="button" value="Edit Subject"/>	

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

The subject was updated successfully.

[« Back To List](#)

Subject: Testing

Menu Name Testing
Position 5
Visible true

subjects/delete.php

Nakon brisanja subject-a, mesto pozicije se automatski resetuje na prethodnu vrednost kako bi bila validna pri daljem kreiranju novih subject-a. Redirektuje nas na početnu Subjects stranicu sa prikladnom porukom.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

[« Back to List](#)

Delete Subject

Are you sure you want to delete this subject?

Testing

Delete Subject

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

The subject was deleted successfully.

Subjects

[Create New Subject](#)

ID	Position	Visible	Name			
1	1	true	About forge Bank	View	Edit	Delete
2	2	true	Consumer	View	Edit	Delete
3	3	true	Small Business	View	Edit	Delete
5	4	true	Commercial	View	Edit	Delete

pages/index.php

Može se kreirati novi sadržaj stranice, videti stranica, kao i izmeniti i obrisati sadržaj stranice.

Primenjeno je pretraživanje stranica po ključnim vrednostima, bilo naslova bilo sadržaja stranice.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

Pages

[Create New Page](#)

Search pages by keyword ...

ID	Subject	Position	Visible	Name			
1	About forge Bank	1	false	forge Bank	View	Edit	Delete
2	About forge Bank	2	true	History	View	Edit	Delete
3	About forge Bank	3	true	Leadership	View	Edit	Delete
4	About forge Bank	4	false	Contact Us	View	Edit	Delete
5	Consumer	1	true	Banking	View	Edit	Delete
6	Consumer	2	true	Credit Cards	View	Edit	Delete
7	Consumer	3	true	Mortgages	View	Edit	Delete
8	Small Business	1	true	Checking	View	Edit	Delete
9	Small Business	2	true	Loans	View	Edit	Delete
10	Small Business	3	true	Merchant Services	View	Edit	Delete
11	Commercial	1	true	Financing	View	Edit	Delete
12	Commercial	2	true	Investments	View	Edit	Delete
13	Commercial	3	false	Treasury Services	View	Edit	Delete

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pages/new.php

Zadaje se subject pod kojim se content page pravi, ime, pozicija gde ce se u okviru subjecta nalaziti u okviru liste stranica pod subjectom, da li je odmah vidljivo ili ne i ideja je da se u content unosi html markup. Nakon unosa omogućen je zaštićeni preview pre nego što se zvanično stranica amrkira kao viljiva na javnom delu sajta. Validacija podataka je omogućena.

[« Back to List](#)

User: adminuser [Menu](#) [Log out](#)

Create Page

Subject	About forge Bank ▼
Menu Name	<input type="text"/>
Position	1 ▼
Visible	<input type="checkbox"/>
Content	<div></div>

Create Page

[« Back to List](#)

User: adminuser [Menu](#) [Log out](#)

Create Page

Please fix the following errors:

- Content cannot be blank.

Subject	About forge Bank ▼
Menu Name	Testing
Position	1 ▼
Visible	<input type="checkbox"/>
Content	<div></div>

Create Page

[« Back to List](#)

Edit Page

Subject

Menu Name

Position

Visible ☒

Content

```
<div id="hero-image">
  
</div>

<div id="content">
  <h1>Treasury Services</h1>
  <p>Let forge Bank be your co-CFO. We'll help you improve
cash flow, improve efficiency, streamline payroll and
payment processing, and help you to build a leaner, cleaner
```

Nakon izmene takođe je dostupan preview.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

The page was updated successfully.

[« Back to List](#)

Page: Treasury Services

[Preview](#)

Subject Commercial
Menu Name Treasury Services
Position 3
Visible true

Content

```
<div id="hero-image">  </div> <div id="content"> <h1>Treasury Services</h1> <p>Let forge Bank be your co-CFO. We'll help you improve cash flow, improve efficiency, streamline payroll and payment processing, and help you to build a leaner, cleaner organization.</p> <ul> <li><a href="#">Collections and cash applications</a></li> <li><a href="#">Deposit and account management options</a></li> <li><a href="#">Payment processing</a></li> <li><a href="#">Payroll procedures</a></li> <li><a href="#">Fraud protection</a></li> <li><a href="#">Liquidity management</a></li> <li><a href="#">International expansion</a></li> <li><a href="#">Healthcare program management</a></li> </ul> </div>
```

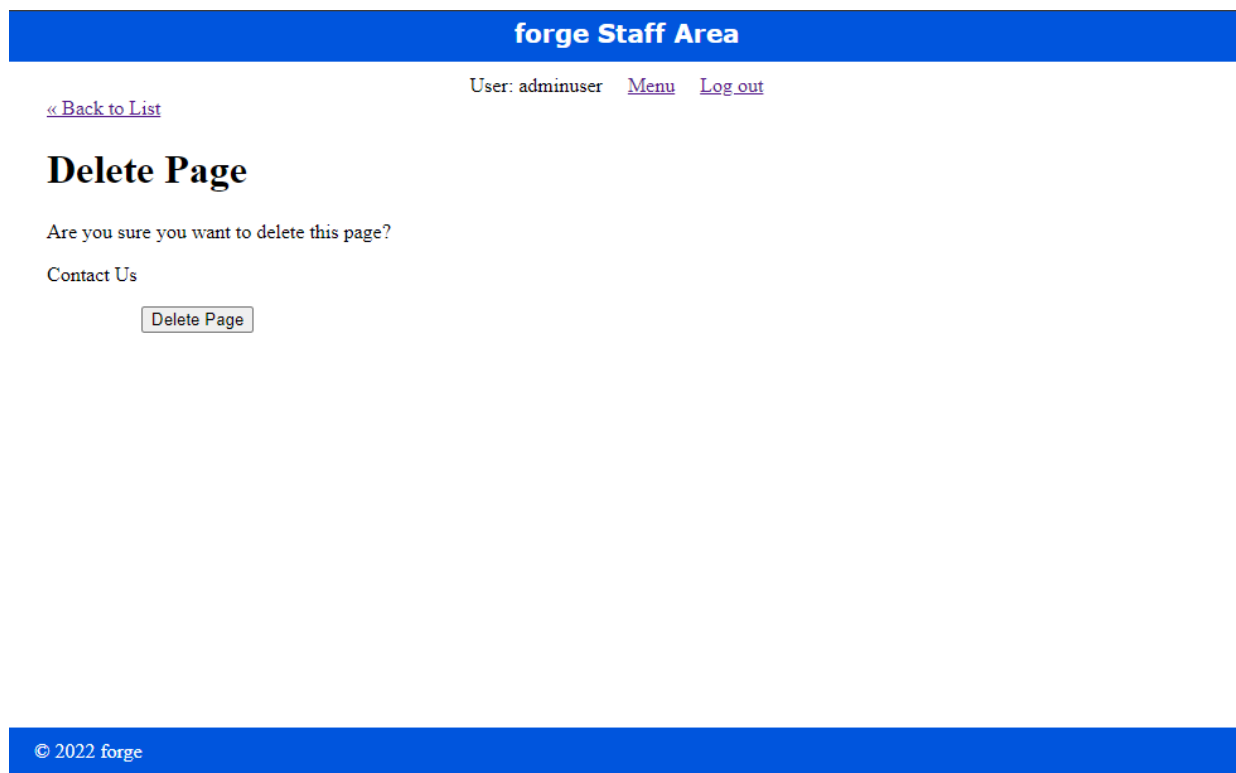
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U title dodat preview kako se ne bi zabunilo sa zvanično public delom sajta.



pages/delete.php

Nakon brisanja, dobijamo prikladnu poruku i redirektujemo se na početnu Pages stranicu.



admins/index.php

Funkcionalnost dodavanja, gledanja, menjanja i brisanja staff admina.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

Admins

[Create New Admin](#)

ID	First	Last	Email	Username			
2	Pregledac	Sajta	php1@test.com	adminuser	View	Edit	Delete
1	Nikolina	Uzelac Pivalica	nikolina.uzelac.sun@gmail.com	nearlyheadlessnikolina	View	Edit	Delete

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admins/new.php

Validacija podataka omogućena kada se kreira novi admin.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

[« Back to List](#)

Create Admin

Please fix the following errors:

- First name cannot be blank.
- Last name cannot be blank.
- Email cannot be blank.
- Username cannot be blank.
- Password cannot be blank.
- Confirm password cannot be blank.

First name	<input type="text"/>
Last name	<input type="text"/>
Username	<input type="text"/>
Email	<input type="text"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>

Passwords should be at least 12 characters and include at least one uppercase letter, lowercase letter, number, and symbol.

Create Admin

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Nakon što je admin dodat, odatle se odmah može menjati ili obrisati.

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

Admin created.

[« Back to List](#)

Admin: testenina

[Edit](#) [Delete](#)

First name	Nikolina
Last name	Pivalica
Email	nikolina.uzelac.sun@gmail.com
Username	testenina

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

Admin updated.

[« Back to List](#)

Admin: nikolinapivalica

[Edit](#) [Delete](#)

First name	Nikolina
Last name	Pivalica
Email	nikolina.uzelac.sun@gmail.com
Username	nikolinapivalica

admins/edit.php

forge Staff Area

User: adminuser [Menu](#) [Log out](#)

[« Back to List](#)

Edit Admin

First name	<input type="text" value="Pregledac"/>
Last name	<input type="text" value="Sajta"/>
Username	<input type="text" value="adminuser"/>
Email	<input type="text" value="php1@test.com"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>

Passwords should be at least 12 characters and include at least one uppercase letter, lowercase letter, number, and symbol.

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Nakon editovanja admina, redirektuje se na stranicu koja prikazuje tog admina.

admins/delete.php

Nakon brisanja admina, dobijamo prikladnu poruku i redirektovani smo na Admins početnu stranicu.

[« Back to List](#)

Delete Admin

Are you sure you want to delete this admin?

adminuser

Delete Admin

Kodovi

Kodovi se mogu naći na <https://github.com/npivalica/forge> .