



Al Imam Mohammad Ibn Saud Islamic University College of
Computer and Information Sciences

Information Systems Department

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Course Instructor:	Dr Fareeha Anwar.
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Semester:	2nd 2024-25
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Duration:	
Marks:	20
Privileges:	<input type="checkbox"/> Open Book <input type="checkbox"/> Open Notes <input type="checkbox"/> Calculator Permitted <input type="checkbox"/> Laptop Permitted

Group Number:	4
Section Number:	372

Instructions:

1. Answer all requirements; there are **(8) requirements in (3) pages**.
2. Upload on the Blackboard a zip file of your assignment folder (report included).
3. *You are required to follow the rules of plagiarism (see last page)*

Official Use Only		
Question	Student Marks	Question Marks
1		20
Total		10



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Introduction:

This project “Student Public Commuter” is a continuation to the assignment, which was the first phase of the project, the project aims to develop a website that contains information about SABIC station to help student who want to use the metro to go to college. This is the second phase of the website which has additional features such as, the “about us” page and “Feedback” page and database connectivity. This report will be about showing the implementation, and the output of the additions and updates made to the previous website in the assignment, the report will also discuss and explain the steps taken to meet the requirements of the project.

Assignment Highlights:



Figure 1 Sabic Station webpage

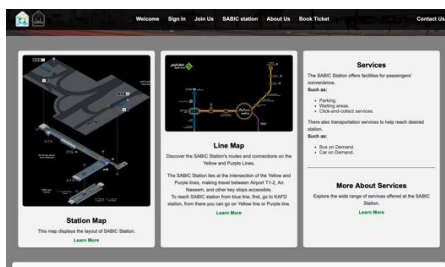


Figure 2 Sabic Station Information Section



Figure 3 Sabic Station FAQs Section

The SABIC Station is a dedicated page within the website that is accessible exclusively to registered and signed-in users. This page provides detailed information about the SABIC Station, including its services, station map, and frequently asked questions to enhance user experience. It highlights key station features, routes, and facilities, offering a user-friendly interface designed for easy navigation.



Website Pages:

Join-us page:

We added a password text field to store the user's information in the database, as a way of ensuring that the user is the same one who registered.

Figure 4 Join Us page

The “register.php” was added to the form’s action.

```
42      <h1>Join Us</h1>
43      <form action="register.php" method="POST" enctype="multipart/form-data">
44          <label for="name">Full Name:</label>
45          <input type="text" id="name" name="name" required />
46      </form>
```

Figure 5 form's action

```
1  <?php
2  include 'users.php';
3
4  if ($_SERVER["REQUEST_METHOD"] == "POST") {
5      $name = $_POST['name'];
6      $year = $_POST['year'];
7      $major = $_POST['major'];
8      $age = $_POST['age'];
9      $password = $_POST['password'];
10
11      if (!$name || !$year || !$major || !$age || !$password) {
12          echo "All fields are required!";
13      } else {
14          $q = "INSERT INTO users (Name, Year, Major, Age, Password) VALUES ('$name', '$year', '$major', '$age', '$password')";
15          if (mysqli_query($con, $q)) {
16              header("location: signin.html");
17              exit();
18          } else {
19              echo "Error: " . mysqli_error($con);
20          }
21          mysqli_close($con);
22      }
23  }
24  ?>
25
```

Figure 6 Register code



Sign-in page (Book Ticket):

When users enter their registration information correctly and verify that they have registered their name and password accurately, they can sign in and book a ticket.

The screenshot shows a web application interface for signing in. At the top, there is a navigation bar with links: Welcome, Sign In, Join Us, About Us, and Contact Us. The main content area features a large, semi-transparent white box with the title "Sign In". Inside this box, there are two input fields: "Name:" with the text "user1" and "Password:" with masked characters "****". Below these fields is a green "Sign In" button. At the bottom of the box, there is a link: "Not registered? [Register here](#)". The background of the page is a blurred image of a modern building with a curved, metallic facade. At the bottom of the page, there is a copyright notice: "© 2024-25 / IMSIU / CCIS™".

Figure 7 Sign-in Page

The screenshot shows a web application interface for the Riyadh Metro. At the top, there is a navigation bar with links: Welcome, Sign In, Join Us, SABIC station, About Us, Book Ticket, and Contact Us. The main content area features a large, semi-transparent white box with the title "Welcome back to Riyadh Metro!". Below the title, there is a paragraph of text: "The Riyadh Metro is revolutionizing city connectivity with its extensive six-line network that seamlessly integrates business districts, residential communities and cultural landmarks. As a state-of-the-art rapid transit system and a key component of the city's public transportation network, the metro is designed to significantly reduce travel time and alleviate congestion. It can efficiently transport up to 1.16 million passengers daily (during the introductory phase), offering a reliable and strategic transit solution that enhances the daily commute for both residents and visitors. Built for speed, frequency and capacity, the metro ensures the timely movement of large volumes of commuters. Passengers benefit from real-time schedule displays at each station, providing up-to-date travel information to make every journey smooth and informed." The background of the page is a blurred image of a modern building with a curved, metallic facade. At the bottom of the page, there is a copyright notice: "© 2024-25 / IMSIU / CCIS™".

Figure 8 After Sign-in



```
36      <div class="form-box">
37          <h1>Sign In</h1>
38          <form action="signin.php" method="POST">
39              <label for="username">Name:</label>
40              <input type="text" id="username" name="username" placeholder="Enter your name"><br>
41          </form>
42      </div>
```

Figure 9 form's action



Adding the “signin.php” in the form’s action for connectivity. Shown in figure 9.

```
1 <?php
2 include 'users.php';
3 session_start();
4
5 if ($_SERVER["REQUEST_METHOD"] == "POST") {
6     $username = $_POST['username'];
7     $password = $_POST['password'];
8
9     if (!$username || !$password) {
10         echo "All fields are required!";
11     } else {
12         $result = mysqli_query($con, "SELECT * FROM users WHERE Name='$username' AND Password='$password'");
13         if (mysqli_num_rows($result) > 0) {
14             $_SESSION['username'] = $username;
15
16             header("Location: welcome2.html");
17             exit();
18         } else {
19             echo "Invalid username or password.";
20         }
21         mysqli_close($con);
22     }
23 }
24 ?>
25
```

Figure 10 sign-in php code



Feedback page:

Our feedback page consists of the Feedback form that users fill in with their feedback, once feedback entered and submitted the php gets the submitted feedback from the form and the name of user from session and then store it in the database.

And shows the feedback with the user's name in the "Feedbacks" section.

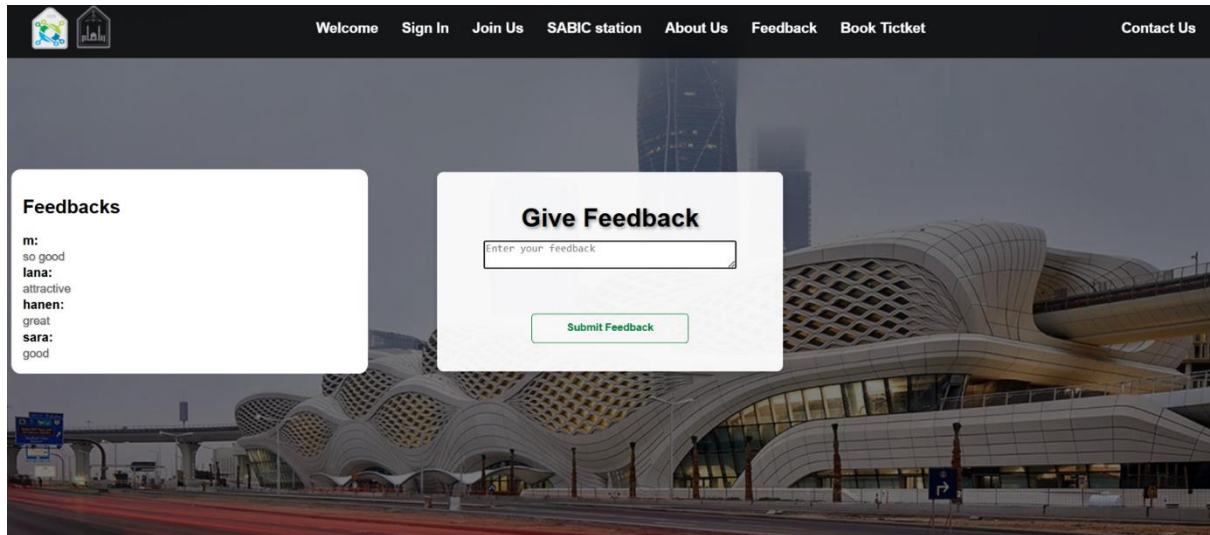


Figure 11 Feedback page



Figure 12 Feedback php code 1/2



```
26 <div class="feedback-list">
27 <h2>Feedbacks</h2>
28 <?php
29 if (mysqli_num_rows($feedbackResult) > 0) {
30     while ($row = mysqli_fetch_array($feedbackResult)) {
31         echo "<div class='feedback-item'>";
32         echo "<strong>" . $row[0] . "</strong>";
33         echo "<p>" . $row[1] . "</p>";
34         echo "</div>";
35     }
36 } else {
37     echo "<p>No feedbacks available.</p>";
38 }
39 ?>
40 </div>
```

Figure 13 Feedback php code 2/2

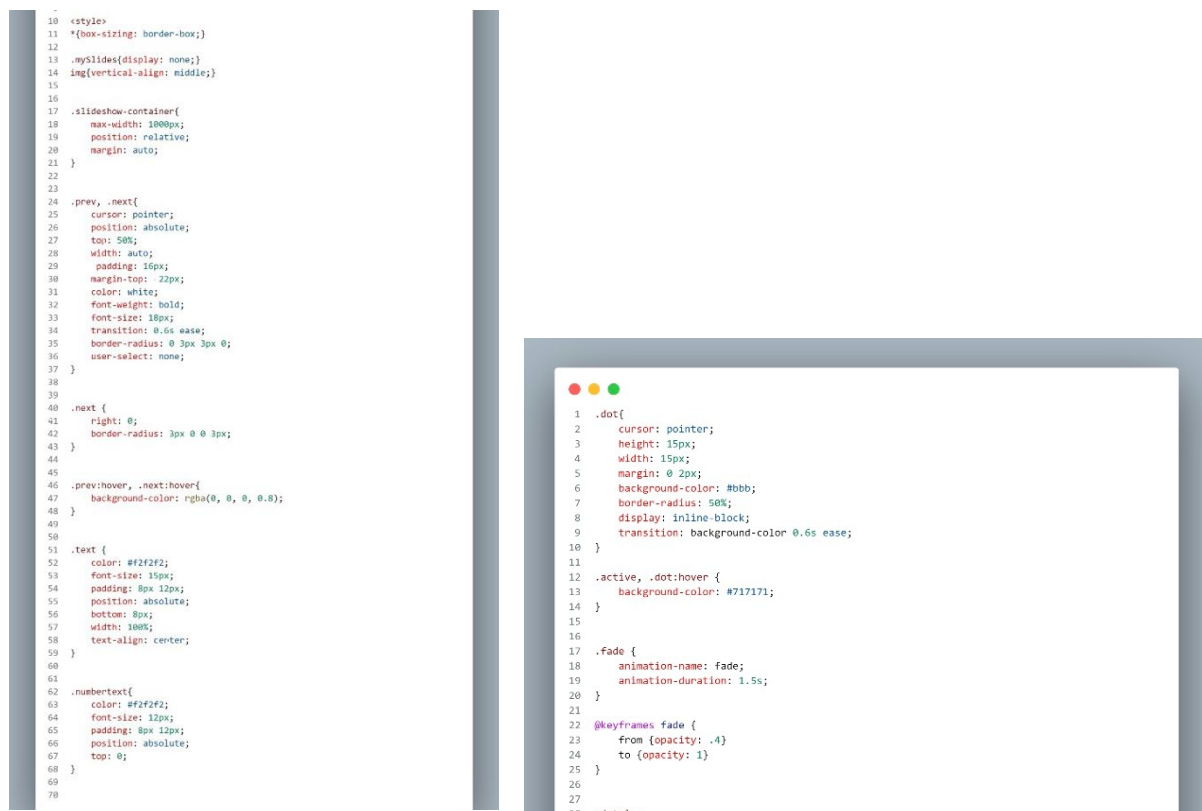


About Us page:

The About Us page consists of information about the website developers, presented in a slideshow. The black background was a design choice, to make the page look more professional.



Figure 14 About Us page





An additional CSS code had to be implemented for the slideshow. Shown in figure 15. Also, a JavaScript code had to be implemented as well. Shown in figure 16.

```

28 <script>
29 let slideIndex = 1;
30 showSlides(slideIndex);
31
32 function plusSlides(n){
33     showSlides(slideIndex += n);
34 }
35
36 function currentSlide(n){
37     showSlides(slideIndex = n);
38 }
39
40 function showSlides(n){
41     let i;
42     let slides = document.getElementsByClassName("mySlides");
43     let dots = document.getElementsByClassName("dot");
44     if (n > slides.length) {slideIndex = 1}
45     if (n < 1) {slideIndex = slides.length}
46     for (i= 0; i < slides.length; i++) {
47         slides[i].style.display = "none";
48     }
49     for (i = 0; i < dots.length; i++) {
50         dots[i].className = dots[i].className.replace(" active", "");
51     }
52     slides[slideIndex-1].style.display = "block";
53     dots[slideIndex-1].className += " active";
54 }
55 </script>

```

Figure 16 About Us JavaScript

Database tables:

Users table:

Display the registration information, and the sign-in page verifies if users have entered their name and password correctly, allowing them to sign in.

			id	name	year	major	age	password
<input type="checkbox"/>	Edit	Copy	Delete	3	maha	1st	cs	23 222
<input type="checkbox"/>	Edit	Copy	Delete	5	Nora	4th	is	21 111
<input type="checkbox"/>	Edit	Copy	Delete	6	lana	1st	is	23 111
<input type="checkbox"/>	Edit	Copy	Delete	7	hanen	3rd	it	24 888
<input type="checkbox"/>	Edit	Copy	Delete	8	sara	4th	is	21 555
<input type="checkbox"/>	Edit	Copy	Delete	9	rana	1st	it	19 444

Figure 17 Users table



Feedback table:

Display the feedback submitted by users in the form, along with the name of the user from the session and then store it in the database.













			id	username	feedback	created_at
<input type="checkbox"/>	 Edit	 Copy	 Delete	2 m	so good	2025-02-01 22:17:22
<input type="checkbox"/>	 Edit	 Copy	 Delete	3 lana	attractive	2025-02-01 22:35:12
<input type="checkbox"/>	 Edit	 Copy	 Delete	4 hanen	great	2025-02-01 23:14:13
<input type="checkbox"/>	 Edit	 Copy	 Delete	5 sara	good	2025-02-01 23:16:08

Figure 18 Feedback table

Programming languages:

HTML:

HTML was used to program and develop all pages.

CSS:

We implemented CSS to create a consistence style throughout the website. We decided to use an external stylesheet due to its convenience for reuse and modification.

JavaScript:

A JavaScript code was implemented in the About Us page for slideshow. Shown in figure 16.

PHP:

We verified the user's singing in information, when feedback is submitted, the PHP retrieves the feedback from the form and the user's name from the session, then stores this information in the database.



Group members' duties:

Student #	Student Name	Student ID	Responsibilities	Signature
1	Sarah bin Abdulqader	444005968	1- sign-in php. 2- Feedback php. 3-Database. 4-Book ticket in the navigation bar when signing in.	
2	Nora Alsalem	444007071	1- Sign in. 2- Database.	
3	Ma'ad Benrawwaf	443011233	1- About us page 2- Slideshow in About Us page 3- Website improvements. 4- Register php	