Università
degli Studi di
Messina

Project of Web Programming

Professor Armando Ruggeri

Ghazal Najjarzadeh

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Trust Bank Website

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1. Introduction:

TRUST Bank's demonstration website serves as an informational and appointment management platform. The website provides a secure interface for potential customers to explore banking services, join the members club, and schedule appointments, while allowing bank employees to manage customer data efficiently.

Customer Features:

Account creation and authentication

Appointment scheduling system

Access to banking services information

Members club benefits overview

Market updates and financial tips

Employee Features:

Secure login system

Customer data management

Appointment tracking and modification

User information editing capabilities

Technical Implementation:

HTML: Structures the website components including:

Navigation system

Service information pages

Registration and login forms

Appointment scheduling interface

CSS: Implements visual design through:

Responsive Bootstrap framework

Custom animations

Mobile-first approach

Professional banking theme

JavaScript: Provides interactivity via:

Real-time clock display

Dynamic content carousels

Banner management

PHP: Manages data operations including:

User authentication

Appointment scheduling

Employee access control

Database Structure:

User authentication data

Customer profile information

Appointment records

Employee access credentials

This demonstration website emphasizes security and ease of use while providing essential banking information and appointment management capabilities.

2. Design:

Home Page: Designed for easy navigation, featuring sections such as About, Services, Membership Plans, Register, Scheduling An Appointment, and Login. A visually engaging homepage ensures users can find relevant information quickly. The homepage includes market updates, financial tips, and quick actions for customers, ensuring they can access relevant information instantly.
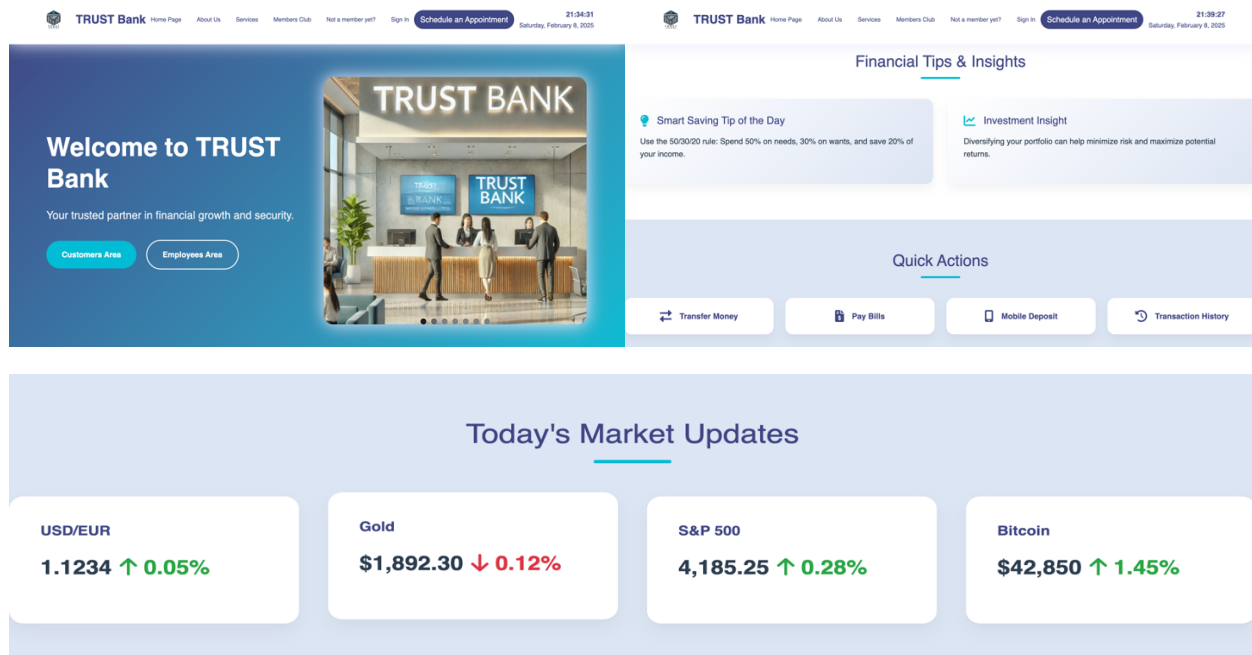
Services Page: Displays detailed descriptions of services, allowing users to explore their options before subscribing.
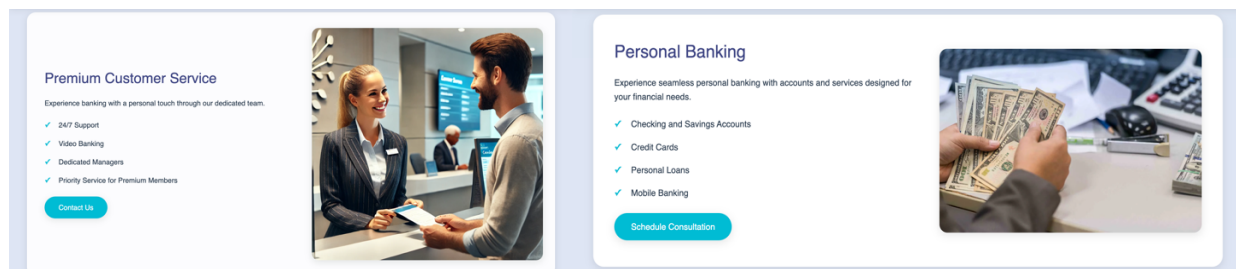
Membership Plans Page: Lists various membership options with benefits, pricing, and an easy selection process.

Basic Plan
Bronze

$0/month

Access to Online Banking

Standard Customer Support

Basic Rewards Program

Benefits on your age and situation

Premium Plan
Silver

$30/month

All Basic Features

Priority Customer Support

Enhanced Rewards Program

Exclusive Offers & Discounts

Elite Plan
Gold

$50/month

All Premium Features

Dedicated Relationship Manager

VIP Customer Support

Exclusive Investment Opportunities

For More Information, Click On Each Link

Newlyweds   Retireds   Kids   Teenagers

Newlyweds
House Buying Loan for Newlyweds

✓ Low-interest house buying loans

✓ Tailored loans for couples

✓ Competitive rates and flexible terms

Contact Us

Schedule Appointment

Sign-in & Register Pages: Users can create a new account, book an appointment or log in using a secure authentication process. Registration involves entering personal details, while the login system ensures user security.

Reserve an Appointment

Name:

Email:

Phone:

Reservation Date:
dd / mm / yyyy

Reservation Time:
--:--

Message:

Sign In

Email

Password

Sign In

Not a member yet?

Firstname:

Middlename:

Lastname:

Gender:
○ Male   ○ Female

Phone:

Address:

User Dashboard: Offers users a personalized interface where they can view their profile.

Welcome, Ghazal Najjarzadeh!

First Name:

Ghazal

Middle Name:

Last Name:

Najjarzadeh

Phone:

3760952951

Address:

Appointment Manager: Users can schedule an appointment and track their meeting.

View Your Bookings

Enter Your Email:

[View Appointments]

Your Bookings

Name	Email	Phone	Reservation Date	Reservation Time	Message
Ghazal	gh.najjarzadeh@gmail.com	567893	2025-01-31	03:14:00	hi
doos	gh.najjarzadeh@gmail.com	567893	2025-01-28	16:00:00	sxx
juju	gh.najjarzadeh@gmail.com	567893	2025-01-27	14:53:00	

Admin Dashboard: Provides administrators with tools to manage user accounts, and monitor subscriptions.

Management Section

Users   Reservations

Users Data

Ghazal Najjarzadeh
Email: gh.najjarzadeh@gmail.com
Phone: 3760952951
Address: Via Cicerone 6, Messina, Italy
[Edit] [Delete]

Ramtin Vaqef
Email: Ramtinvaqef@gmail.com
Phone: 3342910747
Address: Via Cicerone 6, Messina, Italy
[Edit] [Delete]

Hossein Najjarzadeh
Email: najjarzadeh.iprc@gmail.com
Phone: 09123470878
Address: 75, Safdel St., Negahban St., Tehranpars, Iran
[Edit] [Delete]

Fatemeh Tebyanian
Email: tebyanian.f@gmail.com
Phone: 09125230620
Address: 75, Safdel St., Negahban St., Tehranpars, Iran
[Edit] [Delete]

Sponge Bob Square Pants
Email: SpongeBob@yahoo.com
Phone: 8686

Mobina X Hashemnezhad
Email: mobina@gmail.com
Phone: 09330000

juju hashem Nexhad
Email: juju@gmail.com
Phone: 12345678
Address: juju Ave, x St, JuJu Abad E Mamasani

Harry james Potter
Email: hp.james@gmail.com
Phone: 99999999
Address: 12 Picket Post

Footer Section and About Us: Provides an overview of the platform, its purpose, and how users can benefit from it. Also displays essential contact information, social media links, and business hours for easy accessibility.

Contact Us

📞 1-800-TRUST-BANK

✉ info@trustbank.com

📍 123 Banking Street, Finance City

Quick Links

About Us
Services
Members Club

Follow Us

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3. Database Integration:

Implemented using MySQL, hosted in a Docker environment.

Docker file:

Sets up the base image with PHP and apache. Run docker-php-ext-install mysqli: Installs the mysqli extension, which enables communication between PHP and the MySQL database.

```Dockerfile
1    FROM php:8.1-apache
2    COPY ./src /var/www/html
3    RUN docker-php-ext-install mysqli
4
```

Docker compose:

Setup of three Docker containers providing a PHP environment, a MySQL database, and a phpMyAdmin interface for database management.

```docker-compose.yaml
1    version: '3.8'
2    services:
3      mysql:
4        image: mysql:latest
5        container_name: mysql-bank-trust
6        environment:
7          MYSQL_ROOT_PASSWORD: root
8          MYSQL_DATABASE: bank-trust
9          MYSQL_USER: GHAZAL
10         MYSQL_PASSWORD: root
11       ports:
12         - "3306:3306"   # Changed port
13       volumes:
14         - ./data:/var/lib/mysql
15
16     php:
17       build:
18         context: .
19         dockerfile: Dockerfile
20       container_name: php-bank-trust
21       ports:
22         - "8081:80"   # Changed port
23       volumes:
24         - ./src:/var/www/html
25       depends_on:
26         - mysql
27
28     phpmyadmin:
29       image: phpmyadmin:latest
30       container_name: phpmyadmin-bank-trust
31       environment:
32         PMA_HOST: mysql
33         MYSQL_ROOT_PASSWORD: root
34       ports:
35         - "8082:80"   # Changed port
36       depends_on:
37         - mysql
38
```

MYSQL part: Sets up a MYSQL database container for the project. It uses the latest MYSQL image and defines necessary environment variables to configure the database, including the database name, root password, and user credentials.

PHP part: Sets up a PHP container that serves the web application, ensuring it can interact with the MySQL database.

PhpMyAdmin part: Sets up a phpMyAdmin interface, which will connect to the MySQL database allowing users to manage the database through a web interface.

Admin Table: Manages administrator credentials.

Users Table: Stores user information, including login details.

Reservations Table: Stores booking details, including user reservations and scheduling information.

4. Conclusion:

The Trust Bank website successfully implements a robust banking service platform that meets both customer and administrative needs. Key achievements include:

- Seamless integration of frontend and backend technologies
- Secure user authentication and data management
- Responsive design supporting multiple devices
- Scalable database architecture
- Efficient appointment management system

The platform provides a solid foundation for digital banking services while maintaining flexibility for future expansions and improvements.