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**Project Title: Dental Office**

### **1. Project Overview:**

The purpose of project is to organize communication between dental office and potential patients. The project should provide:

- brief information about dental office;
- functionality for patients for registration;
- functionality for patients to leave an appointment for dental office;
- functionality for admin to see messages from patients.

The target audience is potential patients and admin of dental office

### **2. Project Timeline:**

Date	Task
08.08.2023	Create design of forms
08.10.2023	Create forms (without CSS)
08.11.2023	Create DB objects
08.11.2023	Create PHP functionality
08.13.2023	Add CSS files
08.16.2023	Code Submission
08.16.2023	Presentation

### **3. Project Architecture**


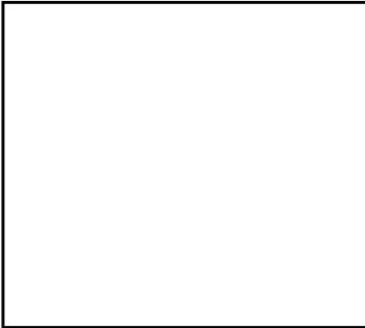

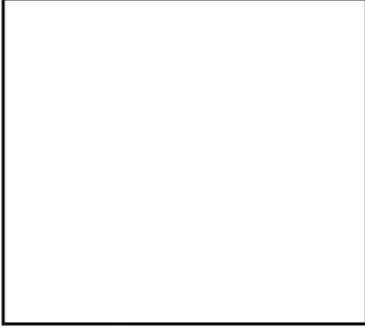
The project contains three parts:

- 1) client-side for interaction with users, used technologies: html, css, java-script;
- 2) server-side to manages data and communicate with database, used technology: php;
- 3) database to store application data, used technology: mySql.


#### 4. User Interface (UI) Design

Mock for the project


Page - Home

	Name Motto		
Banner			
Home	Contacts	Sign-in	Sign-up
			
Service 1	Service 2	Service 3	


Page – sign-in

	Name Motto		
Banner			
Home	Contacts	Sign-in	Sign-up
<div>Email <input type="text"/></div> <div>Password <input type="password"/></div>			

## Page – Contacts

 <div>Name Motto</div>
Banner
<div>Home</div> <div>Contacts</div> <div>Sign-in</div> <div>Sign-up</div>
<div>Address</div> <div>Schedule</div>

## Page – Appointments

 <div>Name Motto</div>					
Banner					
<div>Home</div> <div>Contacts</div> <div>Sign-in</div> <div>Sign-up</div>					
Appointments					
<table border="1"><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>					

## 5. Database Design

DB Name: dental

DB Tables: users, appointments

Users	
username	varchar(256)
password	varchar(64)
email (uk)	varchar(64)
phone	varchar(16)
role	varchar(8) (admin, user)

Appointments	
email	varchar(64)
name	varchar(64)
first_visit	boolean
app_date	date
app_time	varchar(8)
pref_name	varchar(128)
gender	varchar(1)
dob	date
service	varchar(512)
message	varchar(512)

## 6. Functionality & Features

Functionalities for users:

- register on the site;
- make appointment;

Functionalities for admin:

- to see the list of appointments.

## 7. Technology Stack

front-end: html 5, css 3

back-end: PHP 7.4

database: MySQL 8.0.31

web-server: Apache 2.4

## **8. Challenges & Mitigation**

Main challenge was to understand how to layout blocks on the screen, I referred to the one of CSS online course to understand it. Another challenge was on PHP side - how transfer data between pages, I ended up using only GET method.

## **9. References**

<https://www.udemy.com/course/html5-and-css3-for-beginners-from-scratch/>