



**Faculty of Engineering and Technology
Computer Science Department**

**Data Base Management Systems
COMP 333**

Phase 0
Project Overview

Prepared by:

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Instructor: Dr. Bassem Sayrafi

Section: 1

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Idea: [Dental Clinic data base management system]

Groupe Number: [#37]

Group Number: [Mahmoud Awad, Abdelrahman Shahen]

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- **Project idea:**

Dr. Ala', faces the challenge of efficiently managing patient information, appointments, and communication as his clinic expands. To address this, we propose the development of a tailored Dental Clinic Database Management System (DCDMS) that will streamline these processes, ensuring personalized care through a custom patient information management framework. This solution will not only facilitate a more efficient workflow for Dr. Ala' and his team but also enhance patient satisfaction through automated messaging features, reducing administrative burdens and allowing the clinic to focus on delivering exceptional dental care.

- **technology:**

For the Dental Clinic Database Management System, we'll initially use the following technology:

Hardware: Standard server-grade hardware for hosting and database tasks.

Operating System: Windows for its compatibility and support.

Database System: SQL for managing and storing data.

Programming Languages and Frameworks: Python with Flask and Django for comprehensive backend operations, HTML and CSS for the web interface, JavaScript for interactive elements, and PHP if needed for specific tasks.

It's important to note that as we progress through the development, there may be adjustments to this technology stack. These changes will aim to adapt to emerging needs, enhance system performance, or incorporate new best practices to ensure the system remains efficient, secure, and user-friendly.

- **Contact information:**

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