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**INFORMATICS INSTITUTE OF TECHNOLOGY**

**PROFESSIONAL DEVELOPMENT UNIT**

**JAVA WITH OBJECT-ORIENTED PROGRAMING**

**2023 BATCH 01**

**FINAL ASSESSMENT**

**Submission Date: 10th of November before 12 PM**

**Presentation Date: 11th of November 1.30 PM - 5.30 PM**

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### **Instructions**

The student has the option of selecting one of the following technologies to complete the assignment,

- Web-based application using API & Java servlet pages or Javafx standalone application
- Use MySQL as the database
- Students are free to come up with their own UI design and database architecture appropriately

The completed Assignment should be compressed as a .zip file and uploaded to the link provided on or before the deadline

Working application to be presented in the class.

# **Service Appointment Management System**

The Appointment Management System is designed for service-oriented businesses to manage their appointments and schedules efficiently. This application allows staff to schedule, view, update, and cancel appointments with ease. Each appointment includes the client's name and contact number or email address, providing a tailored solution for operations.

## **Project Components:**

### **1. User Interface (UI):**

- Create a user-friendly interface for managing appointments.
- Design a dashboard and appointment calendar for staff to schedule and manage appointments efficiently.

### **2. Appointment Scheduling:**

- Allow staff to schedule appointments by selecting a date and time.
- Provide the ability to specify appointment types
- Include fields for capturing client details, such as name and contact number or email address

### **3. View and Edit Appointments:**

- Display a list of upcoming appointments with relevant details.
- Enable staff to view and edit appointments with ease.
- Allow for efficient rescheduling and cancellation of appointments.

### **4. Search and Filter:**

- Implement search and filtering options for appointments based on date, time, type, client name, and contact number.
- Enhance the user experience by allowing staff to quickly locate specific appointments.

## **5 Database Integration:**

- Utilize a MySQL database to store appointment data.
- Create tables for appointments and client details

**Assessment:**

Students will be evaluated based on the functionality, and usability of the appointment management system. Code quality, documentation, and maintaining a consistent database structure are important assessment criteria.

**Extensions:**

For advanced students, consider adding features like automated appointment reminders for clients, and real-time updates via email additionally, students can explore modern UI/UX practices for an improved user experience within the desktop application.