

# MOSTAFA MAHMOUD

SOFTWARE DEVELOPER



## SUMMARY

- Computer scientist with 4 years of experience in software industry.
- Fast learner.
- multitask-er, problem solver.
- write clean code.
- ability to deal with any programming language easily
- .team leader.

## Experience

2016 - 2022

### Freelance

Software development, Cairo  
Collected requirements, designed ,  
developed and delivered application  
(desktop , web) on time.

## Education

2016 - 2020

### Bachelor In Computer And Artificial Intelligence

Helwam, University  
- GPA : 3.41 Excellent  
- Major: CS , Minor: IS

## Projects

### MOBILE SHOP SYSTEM

*implemented using Java and MySQL*

The application can manage shop operations such as sales, purchases, save stocks in warehouses, expenses and manage accounting.

- **Collected requirements from stakeholders, made UML diagrams, Database ERD, Implemented the code , fulfilled delivery and maintenance of the system.**
- **create a QR Code generator module that significantly affects cost reduction for stakeholder.**
- **solved performance issues by creating a receipt generation module.**
- **the system calculate and product the reports for net profit.**

## Profile

- Birth Date: 2/11/1997
- Marital Status: Single
- Military Status: Completed

## Skills

### Concepts

- Data Structures
- Algorithms
- Database
- OOP
- System Analysis
- Design Patterns
- Solid Principles
- Agile Methodologies
- Software Architecture Pattern (MVC)

### Tools

- **Programming languages**
  - C / Java{Swing} /PHP / Python
- **Web Design**
  - HTML5 / CSS3
- **Web Framework**
  - Laravel
- **Operating System**
  - Windows
  - Linux
- **Database Platform**
  - MySQL
- **Other**
  - GIT

## CLINIC SYSTEM

*implemented using Java and MySQL*

The application can manage the clinic, such as registering patients' data and booking them through the secretariat, and the doctor can know the patient who will be diagnosed before entering the doctor, knowing the history of the disease for this patient, and printing the prescription for the patient. Revenues, expenses and accounts are also managed.

- **Collected requirements from stakeholders, made UML diagrams, Database ERD, Implemented the code , fulfilled delivery and maintenance of the system.**

## CAFE SHOP SYSTEM

*implemented using Java and MySQL*

The application can manage the café system, such as registering customer requests, printing an invoice with the price, calculating revenues and expenses, managing the store, and showing an alert that a quantity of raw materials has expired before it expires.

- **Collected requirements from stakeholders, made UML diagrams, Database ERD, Implemented the code , fulfilled delivery and maintenance of the system.**

## GYM SYSTEM

*implemented using Java and MySQL*

The application can manage the gym system, such as registering the trainees' data and booking a daily, monthly, quarterly, semi-annual or annual subscription, then printing the subscription contract with all the data, showing an alert of the end of the subscription, managing employees, managing salaries, calculating revenues and expenses.

- **Collected requirements from stakeholders, made UML diagrams, Database ERD, Implemented the code , fulfilled delivery and maintenance of the system.**

## Skills

### Languages

Arabic



English



## Contact Info

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## INVOICES MANAGEMENT

*implemented using php laravel and mysql*

the app can make handle to invoices collection by registering the invoice with the department and product to be collected, entering the commission, discount, tax rate, and the system can calculate the invoice price, record it, and change its status from unpaid to paid or partially paid

site : <http://zokasoft.great-site.net/login>

email-test: test\_account@app.com

password: 123456789

## GRADUATED PROJECT (MANGA READER)

*implemented using AI technology*

Japanese manga book

When a manga reader tries to read it in a language other than Japanese, they can only translate it into their own language.

The application provides readers of manga with translation of this type of book.

- **step 1: get manga book and take pictures of this pages and make image processing for this pages.**
- **step 2: put this pictures to object recognition model for detect text balloon then crop this text balloon.**
- **step 3: put this text balloon to "OCR" (Object Character Recognition) for extract text from picture.**
- **step 4: put this text to translator API for translate this Japanese text to other language.**
- **step 5: after translate Japanese text return the text to same place.**
- **the client can use this application by use API on (web site, desktop, mobile app).**
- **and the server work in real time.**