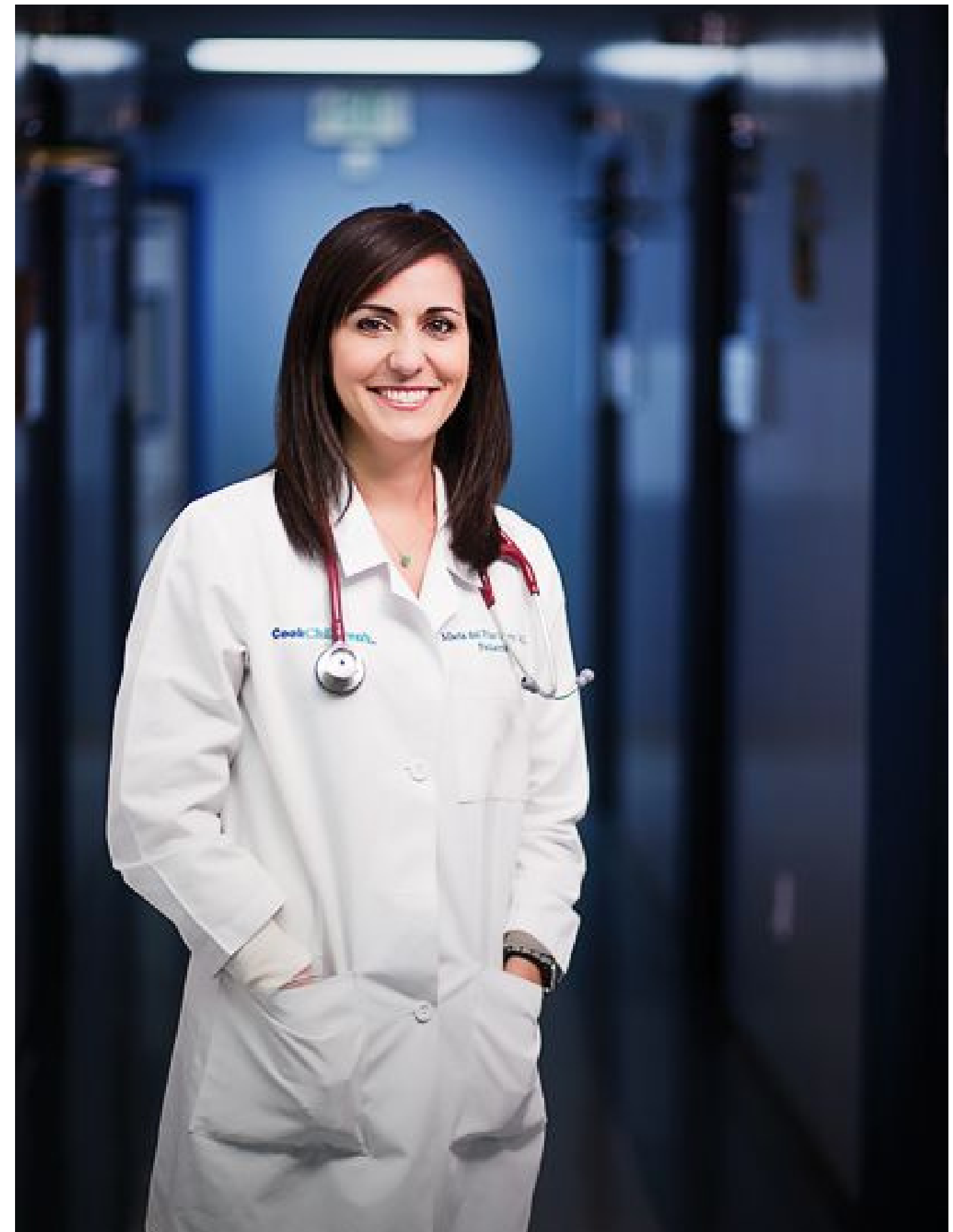


# Clinic Management System

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Ms: Eman Fathi



# Team Members

- Abdelrahman Emam
- Alaa Abdelbadie
- Ayman Belal
- Sherif Hussien
- Mayar Ahmed



# Welcome!

To Our clinic management system

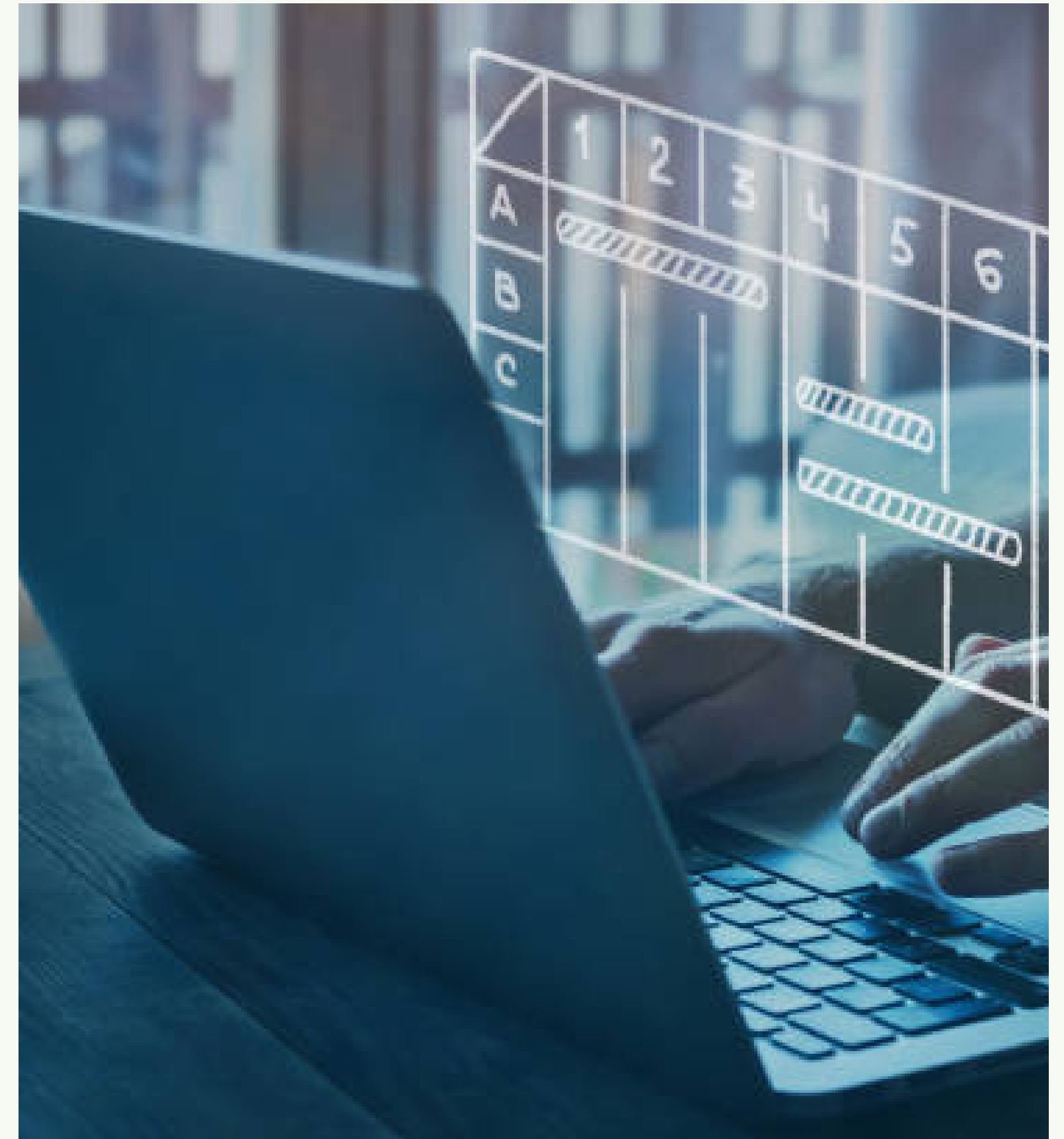
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# Agenda

- Appointment scheduler
  - Doctors Management
  - Patient Management
  - Medicine Management
  - Clinic service
  - Employee Management
  - Prescription Management
  - Reports
  - Permission Management
  - Invoice Management
-

# Appointment Management

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# Appointment Features

- **Create:** we can create a new appointment if the chosen time does not already exist
- **Edit:** Appointment can be edit
- **Remove:** Appointment can be removed
- **Appointments** can be sorted and filtered
- **The doctor** will be informed of the new appointments

## Routes:-

- **GetAll:** can be done by Admin and Employee.
  - **Post:** can be done by Admin and Employee.
  - **Patch:** can be done by Admin and Employee.
  - **Delete:** can be done by Admin and Employee.
  - **GetById:** can be done by Admin and Employee.
-

# Doctor Management

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# Doctor Management

- **Create:** new doctor can be created and checked for the duplicate name.
- **Edit:** doctors' information can be edit
- **Remove:** doctor's information can be removed
- **Doctors** can be sorted and filtered

## Routes:-

- **GetAll:** can be done by Admin.
- **Post:** can be done by Admin.
- **Patch:** can be done by Admin.
- **Delete:** can be done by Admin.
- **GetById:** can be done by Admin.





# Patient Management

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# Patient

- **Create:** new patient can be created
- **Edit:** patients information can be edit
- **Remove:** patient information can be removed
- a patient can be sorted and filtered

## **Routes:-**

- **GetAll:** can be done by Admin and Employee.
  - **Post:** can be done by Admin and Employee
  - **Patch:** can be done by Admin and Employee.
  - **Delete:** can be done by Admin and Employee.
  - **GetById:** can be done by Admin and Employee and Doctor.
-



# Medicine Management

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# Medicine

- Create: new medicine can be created
- Edit: medicine information can be edit
- Remove: medicine information can be removed
- a medicine can be sorted and filtered

## Routes:-

- GetAll: can be done by Admin and Doctor.
  - Post: can be done by Admin and Doctor
  - Patch: can be done by Admin and Doctor.
  - Delete: can be done by Admin and Doctor.
-



# Clinic

- Create: new clinic can be created
- Edit: clinic information can be edit
- Remove: clinic information can be removed
- a clinic can be sorted and filtered

## Routes:-

- GetAll: can be done by Admin and Patient.
  - Post: can be done by Admin.
  - Patch: can be done by Admin.
  - Delete: can be done by Admin.
  - GetById: can be done by Admin.
-

# Employee

- Create: new employee can be created
- Edit: employee information can be edit
- Remove: employee information can be removed
- An employee can be sorted and filtered

## Routes:-

- GetAll: can be done by Admin.
  - Post: can be done by Admin.
  - Patch: can be done by Admin.
  - Delete: can be done by Admin.
  - GetById: can be done by Admin.
-

# Prescription

- Create: new prescription can be created
- Edit: prescription information can be edit
- Remove: prescription information can be removed
- A prescription can be sorted and filtered

## Routes:-

- GetAll: can be done by Admin and Doctor.
  - Post: can be done by Admin and Doctor.
  - Patch: can be done by Admin and Doctor.
  - Delete: can be done by Admin and Doctor.
  - GetById: can be done by Admin and Doctor.
-

# Reports

- reports for invoices
- reports for appointment

## Routes:-

- GetAll: can be done by Admin and Employee.
  - GetById: can be done by Admin and Employee.
-



# Invoices

- Create: new invoices can be created
- Edit: invoices information can be edit
- Remove: invoices information can be removed
- Invoices can be sorted and filtered

## Routes:-

- GetAll: can be done by Employee.
  - Post: can be done by Employee.
  - Patch: can be done by Employee.
  - Delete: can be done by Employee.
  - GetById: can be done by Employee.
-

# Schema

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# Components

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## Appointment

Doctor(ref), Patient( ref),clinic(ref),Date and Time

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## Doctor

fname, lname, Salary, Specialization, Age  
Clinic(ref), Email, Password, Image, Gender

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## Patient

Fname,lname,Age,PhoneNumber,Address(City, Street,Building),Email,password,Doctor(ref),Appointment(ref), Gender, Image

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# Components

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## Medicine

Name, Type, ExpireDate, ProductionDate,  
CompanyName, Price

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## Clinic

Name, Department, Address(City, Street,  
Building), Doctor(ref), PhoneNumber,

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## Employee

Fname, Lname , Age, Gender, Clinic(ref),  
Email, Password, PhoneNumber, Image, Salary

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# Components

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## Prescription

Doctor(ref), Patient(ref), Clinic(ref), Date,  
Medicine (ref)

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## Reports

Invoices (ref All), Appointment (ref All)

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## Invoices

Clinic(ref), Medicine (ref), Patient (ref),  
Doctor(ref), Employee(ref), Date,  
EmployeeName ,Payment Method

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# Components

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## Permission

Fname, lname, Age, PhoneNumber, Gender,  
Email, Password, Role, Salary, Address,  
Specialty, Vezeeta, ClinicId

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# Package and API

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- Stripe API ----> Payment
- multer ----> Image
- mongoose sequence
- bcrypt
- deenv
- dotenv
- jsonwebtoken
- morgan
- nodemon
- mongoose
- express
- express-validator

**Thank you**

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