Certainly! The code provides endpoints for registering an admin, logging in an admin, and retrieving admin details in a Node. is application using MongoDB. Below is a detailed explanation of each part of the code:

Backend > controllers >

1.Admin-controller.is

Required Modules

const Complain = require('../models/complainSchema.js'); const Student = require('../models/studentSchema.js'); const Teacher = require('../models/teacherSchema.js'); const Subject = require('../models/subjectSchema.js'); const Admin = require('../models/adminSchema.js'); const Notice = require('../models/noticeSchema.js'); const Sclass = require('../models/sclassSchema.js'); const bcrypt = require('bcrypt');

- bcrypt: A library used to hash passwords.
- 'Admin', 'Sclass', 'Student', 'Teacher', 'Subject', 'Notice', 'Complain': Mongoose models representing collections in the MongoDB database.

Admin Registration

- The `adminRegister` function handles the registration of a new admin.
- It extracts `email`, `schoolName`, and `password` from the request body.
- It checks if an admin with the same email or school name already exists in the database.
 - 4. If either already exists, it sends a 400 status code with an appropriate message.
- 5. If not, it hashes the password using bcrypt and creates a new admin document with the provided data and hashed password.
- 6. It saves the new admin to the database, removes the password from the response, and sends a 201 status code with the admin details.
- 7. If any error occurs, it catches the error and sends a 500 status code with the error

Admin Login

- 1. The adminLogIn function handles the login of an admin.
- It extracts `email` and `password` from the request body.
- 3. It checks if both email and password are provided; if not, it sends a 400 status code with
- 4. It looks for an admin with the provided email in the database.
- 5. If the admin is not found, it sends a 404 status code with an error message.
- 6. It compares the provided password with the stored hashed password using bcrypt
- 7. If the passwords do not match, it sends a 400 status code with an error message.
- 8. If the passwords match, it removes the password from the response and sends a 200 status code with the admin details.
- If any error occurs, it catches the error and sends a 500 status code with the error message.

Get Admin Details

- 1. The `getAdminDetail` function retrieves the details of an admin by their ID.
 - 2. It extracts the admin ID from the request parameters.
- It searches for the admin with the provided ID in the database.
- 4. If the admin is not found, it sends a 404 status code with an error message.
- 5. If the admin is found, it removes the password from the response and sends a 200 status code with the admin details.
- 6. If any error occurs, it catches the error and sends a 500 status code with the error message

Exporting the Functions

module.exports = { adminRegister, adminLogIn, getAdminDetail };

- Exports the three functions (`adminRegister`, `adminLogIn`, and `getAdminDetail`) so they can be used in other parts of the application (e.g., routing).

2 class-controller is

Certainly! The provided code defines several functions for handling CRUD operations related (Teacher) in a Node is application using MongoDB. Here's an explanation of each function: to school classes (Sclass), students (Student), subjects (Subject), and teachers const Student = require('../models/studentSchema.js'); const Subject = require('../models/subjectSchema.js'); const Sclass = require('../models/sclassSchema.js'); ###Required Modules:

 These are Mongoose models representing the collections in the MongoDB database for classes, students, subjects, and teachers.

const Teacher = require('../models/teacherSchema.js')

###Create a New class

- 1. Creates a new class with the provided sclassName and adminID.
- Checks if a class with the same name already exists in the school.
- If it exists, sends a message indicating the class name already exists.
- If not, saves the new class and sends the result.
- Catches and handles errors, sending a 500 status code if any occur.

###List All Classes for a School

- Retrieves all classes for a specific school.
- If classes are found, sends the list of classes.
- If no classes are found, sends a message indicating no classes were found. ა. **4**.
 - Catches and handles errors, sending a 500 status code if any occur.

##Get Class Details

- 1. Retrieves details of a class by its ID.
- Populates the school field with the schoolName.

- 3. If the class is found, sends the class details.
- 4. If not, sends a message indicating no class was found.
- 5. Catches and handles errors, sending a 500 status code if any occur.

###Get Students in a Class

- 1. Retrieves all students in a specific class by its ID.
- If students are found, removes their passwords from the response and sends the list.
- If no students are found, sends a message indicating no students were found.
- Catches and handles errors, sending a 500 status code if any occur.

###Delete a Class

- 1. Deletes a specific class by its ID.
- . If the class is not found, sends a message indicating the class was not found.
 - . Deletes all students, subjects, and teachers associated with the class.
- Sends the deleted class details.
- . Catches and handles errors, sending a 500 status code if any occur.

###Delete All Classes for a School

- 1. Deletes all classes for a specific school.
- 2. If no classes are found to delete, sends a message indicating no classes were found.
 - 3. Deletes all students, subjects, and teachers associated with the school.
- 4. Sends the deleted classes details.
- Catches and handles errors, sending a 500 status code if any occur.

##Exporting the Functions

```
module.exports = { sclassCreate, sclassList, deleteSclass,
deleteSclasses, getSclassDetail, getSclassStudents };
```

 Exports the functions so they can be used in other parts of the application (e.g., routing).

3.complain-controller.js

The provided code defines two functions for handling complaints (complainCreate and complainList) in a Node is application using MongoDB. Here's a detailed explanation of each function:

Required Modules

```
const Complain = require('../models/complainSchema.js');
```

 Imports the Complain Mongoose model, representing the collection of complaints in the MongoDB database.

Create a New Complaint

- The complainCreate function handles the creation of a new complaint.
- It creates a new Complain document using the request body (req.body), which should contain the complaint details.
- It saves the new complaint to the database using complain.save().
- . If the save operation is successful, it sends the saved complaint as a response.
- 5. If an error occurs, it catches the error and sends a 500 status code with the error

List All Complaints for a School

- 1. The complainList function retrieves all complaints for a specific school.
- It uses Complain.find({ school: req.params.id }) to find complaints
 associated with the school ID provided in the request parameters (req.params.id).
 - The populate ("user", "name") method is used to populate the user field in the complaints with the user's name.
- 4. If complaints are found, it sends the list of complaints as a response.
- If no complaints are found, it sends a message indicating that no complaints were found,
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Exporting the Functions

```
module.exports = { complainCreate, complainList };
```

 Exports the complainCreate and complainList functions so they can be used in other parts of the application, such as routing.

Summary

- complainCreate: This function creates a new complaint and saves it to the database. It sends the saved complaint or an error message as a response.
- complainList: This function retrieves all complaints for a specific school, populates the user field with user names, and sends the list of complaints or an error message as a response.

4.notice-controller.is

The provided code defines several functions for handling notices (noticeCreate, noticeList, updateNotice, deleteNotice, deleteNotices) in a Node.js application using MongoDB. Here is a detailed explanation of each function:

Required Modules

```
const Notice = require('../models/noticeSchema.js');
```

 Imports the Notice Mongoose model, representing the collection of notices in the MongoDB database

Create a New Notice

- 1. The noticeCreate function handles the creation of a new notice.
- It creates a new Notice document using the request body (req.body), including the adminID as the school field.
- It saves the new notice to the database using notice.save().
- 4. If the save operation is successful, it sends the saved notice as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error

List All Notices for a School

- The noticeList function retrieves all notices for a specific school.
- It uses Notice.find($\{\mbox{ school: req.params.id }\}$) to find notices associated with the school ID provided in the request parameters (req.params.id).
- If notices are found, it sends the list of notices as a response.
- If no notices are found, it sends a message indicating that no notices were found
- If an error occurs, it catches the error and sends a 500 status code with the error

Update a Notice

- The updateNotice function handles updating a notice by its ID.
- It uses Notice.findByIdAndUpdate to find the notice by ID (req.params.id) and updates it with the new data provided in the request body (req.body).
- The { new: true } option ensures that the updated document is returned.
- If the update operation is successful, it sends the updated notice as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error

Delete a Notice

- 1. The deleteNotice function handles deleting a notice by its ID.
- It uses Notice.findByIdAndDelete to find and delete the notice by ID (req.params.id)
- If the delete operation is successful, it sends the deleted notice as a response. რ
- If an error occurs, it catches the error and sends a 500 status code with the error

Delete All Notices for a School

- 1. The deleteNotices function handles deleting all notices for a specific school.
- It uses Notice.deleteMany({ school: req.params.id }) to find and delete all notices associated with the school ID provided in the request parameters
- If no notices are found to delete, it sends a message indicating that no notices were რ
- If the delete operation is successful, it sends the result of the deletion.
- If an error occurs, it catches the error and sends a 500 status code with the error message

Exporting the Functions

module.exports = { noticeCreate, noticeList, updateNotice, deleteNotice, deleteNotices }; Exports the functions so they can be used in other parts of the application (e.g., routing)

Summary

- noticeCreate: Creates a new notice and saves it to the database.
- noticeList: Retrieves all notices for a specific school.
- updateNotice: Updates a specific notice by its ID.

deleteNotice: Deletes a specific notice by its ID.

deleteNotices: Deletes all notices for a specific school.

5. Student-controller is

deleteStudent, deleteStudents, deleteStudentsByClass, updateStudent, The provided code defines several functions for handling student-related operations (studentRegister, studentLogIn, getStudents, getStudentDetail updateExamResult, studentAttendance,

removeStudentAttendanceBySubject, removeStudentAttendance) in a Node is clearAllStudentsAttendanceBySubject, clearAllStudentsAttendance, application using MongoDB. Here's a detailed explanation of each function:

Required Modules

- Imports the bcrypt library for password hashing.
- Imports the Student and Subject Mongoose models, representing the collections of students and subjects in the MongoDB database.

Register a New Student

- The studentRegister function handles the registration of a new student.
- It generates a salt and hashes the student's password using bcrypt.
- 3. It checks if a student with the same roll number already exists in the specified class
- 4. If the student exists, it sends a message indicating that the roll number already
- If the student does not exist, it creates a new Student document using the request body and the hashed password, then saves it to the database.
- It sends the saved student (excluding the password) as a response or catches any errors and sends a 500 status code with the error message.

Student Login

- The studentLogIn function handles student login.
- 2. It finds the student by roll number and name.
- If the student exists, it compares the provided password with the stored hashed password using bcrypt.
- If the passwords match, it populates the student's school and class details, removes sensitive fields, and sends the student as a response.
 - 5. If the passwords do not match or the student is not found, it sends an appropriate
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Get All Students for a School

- 1. The getStudents function retrieves all students for a specific school.
- It finds students by the school ID provided in the request parameters and populates their class details.
- If students are found, it removes the password field from each student and sends the list of students as a response.
- 4. If no students are found, it sends a message indicating that no students were found.
 - 5. If an error occurs, it catches the error and sends a 500 status code with the error

Get Student Detail

The getStudentDetail function retrieves the details of a specific student by their ID.

- It finds the student by ID and populates their school, class, exam results, and attendance details.
- 2. If the student is found, it removes the password field and sends the student as a
- . If no student is found, it sends a message indicating that no student was found.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Delete a Student

- 1. The deleteStudent function deletes a specific student by their ID.
- 2. It finds and deletes the student by ID.
- If the delete operation is successful, it sends the deleted student as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Delete All Students for a School

- 1. The deleteStudents function deletes all students for a specific school.
- 2. It finds and deletes students by the school ID provided in the request parameters.
- If no students are found to delete, it sends a message indicating that no students
 were found
- If the delete operation is successful, it sends the result of the deletion.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Delete All Students for a Class

- 1. The deleteStudentsByClass function deletes all students for a specific class.
- 2. It finds and deletes students by the class ID provided in the request parameters.
- If no students are found to delete, it sends a message indicating that no students were found.
- 4. If the delete operation is successful, it sends the result of the deletion.
- If an error occurs, it catches the error and sends a 500 status code with the error message

Update a Student

- 1. The updateStudent function updates the details of a specific student by their ID.
- 2. If the request body contains a password, it hashes the new password.

- It updates the student with the new data provided in the request body and returns the updated student.
- If the update operation is successful, it removes the password field and sends the updated student as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Update Exam Results for a Student

The ${\tt updateExamResult}$ function ${\tt updates}$ the exam results for a specific student by their D.

- It finds the student by ID and checks if the student exists.
- If the student exists, it checks if the exam result for the specified subject already exists.
- If the exam result exists, it updates the marks obtained.
- 4. If the exam result does not exist, it adds a new exam result for the subject.
- It saves the updated student and sends the result as a response or catches any errors and sends a 500 status code with the error message.

Manage Student Attendance

- 1. The studentAttendance function manages the attendance of a specific student by
- It finds the student by ID and checks if the student exists.
- 3. It finds the subject by ID.
- 4. It checks if attendance for the specified subject and date already exists.
 - 5. If the attendance exists, it updates the attendance status.
- If the attendance does not exist, it checks if the student has attended the maximum number of sessions for the subject.
- 7. If the maximum attendance limit is not reached, it adds a new attendance record.
- It saves the updated student and sends the result as a response or catches any errors and sends a 500 status code with the error message.

Clear Attendance for All Students by Subject

- The clearAllStudentsAttendanceBySubject function clears the attendance for all students by subject ID.
 - ror all students by subject ID.

 It finds and removes attendance records for the specified subject from all students.
- If the operation is successful, it sends the result as a response or catches any errors and sends a 500 status code with the error message.

Clear All Attendance for All Students

- The clearAllStudentsAttendance function clears all attendance records for all students in a specific school.
- 2. It finds and removes all attendance records for students in the specified school.

3. If the operation is successful, it sends the result as a response or catches any errors and sends a 500 status code with the error message.

Remove Attendance for a Specific Student by Subject

- The removeStudentAttendanceBySubject function removes attendance records for a specific student by subject ID.
- 2. It finds and removes attendance records for the specified subject from the specified
- 3. If the operation is successful, it sends the result as a response or catches any errors and sends a 500 status code with the error message.

Remove All Attendance for a Specific Student

- The removeStudentAttendance function removes all attendance records for a specific student.
- It finds and removes all attendance records from the specified student.
- If the operation is successful, it sends the result as a response or catches any errors and sends a 500 status code with the error message.

Exporting the Functions

 Exports the functions so they can be used in other parts of the application (e.g., routing).

Summary

- studentRegister: Registers a new student and saves it to the database.
- studentLogIn: Handles student login and authentication.
- getStudents: Retrieves all students for a specific school.
- getStudentDetail: Retrieves the details of a specific student by their ID.
- deleteStudent: Deletes a specific student by their ID.
- deleteStudents: Deletes all students for a specific school.
- deleteStudentsByClass: Deletes all students for a specific class.
- updateStudent: Updates the details of a specific student by their ID.
- updateExamResult: Updates the exam results for a specific student by their ID.
 studentAttendance: Manages the attendance of a specific student by their ID.
- clearAllStudentsAttendanceBySubject: Clears attendance for all students by subject ID.
- clear All Students Attendance: Clears all attendance records for all students in a specific school.
- removeStudentAttendanceBySubject: Removes attendance records for a specific student by subject ID.
- removeStudentAttendance: Removes all attendance records for a specific

6.subject-controller.js

The provided code defines several functions for handling subject-related operations (subjectCreate, allSubjects, classSubjects, freeSubjectList, getSubjectDetail, deleteSubject, deleteSubjects, deleteSubjectsbjectsByClass) in a Node, is application using MongoDB. Here's a detailed explanation of each function:

Required Modules

Imports the Subject, Teacher, and Student Mongoose models, representing the collections of subjects, teachers, and students in the MongoDB database.

Create Subjects

- The subjectCreate function handles the creation of new subjects.
- It maps the subjects array from the request body to extract the subject details.
- . It checks if a subject with the same subCode already exists in the specified school.
- If the subject exists, it sends a message indicating that the subCode must be unique.
- If the subject does not exist, it creates new subject documents and saves them to the database.
- It sends the saved subjects as a response or catches any errors and sends a 500 status code with the error message.

Get All Subjects for a School

- 1. The allSubjects function retrieves all subjects for a specific school.
- It finds subjects by the school ID provided in the request parameters and populates their class details.
- . If subjects are found, it sends the list of subjects as a response.
- 4. If no subjects are found, it sends a message indicating that no subjects were found.
- If an error occurs, it catches the error and sends a 500 status code with the error
 message

Get Subjects for a Class

- 1. The classSubjects function retrieves all subjects for a specific class.
- 2. It finds subjects by the class ID provided in the request parameters.
- 3. If subjects are found, it sends the list of subjects as a response.
- 4. If no subjects are found, it sends a message indicating that no subjects were found.
 - 5. If an error occurs, it catches the error and sends a 500 status code with the error

Get Free Subjects (Subjects Without Assigned Teachers)

 The freeSubjectList function retrieves subjects for a specific class that do not have assigned teachers.

- 2. It finds subjects by the class ID provided in the request parameters and checks if the teacher field does not exist.
- 3. If subjects are found, it sends the list of subjects as a response.
- 4. If no subjects are found, it sends a message indicating that no subjects were found.
 - If an error occurs, it catches the error and sends a 500 status code with the error message.

Get Subject Details

- . The getSubjectDetail function retrieves the details of a specific subject by its ID.
- It finds the subject by ID and checks if the subject exists.
- If the subject exists, it populates the class and teacher details and sends the subject as a resonase
- i. If no subject is found, it sends a message indicating that no subject was found.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Delete a Subject

- 1. The deleteSubject function deletes a specific subject by its ID.
- 2. It finds and deletes the subject by ID.
- It updates the teachers to unset the teachSubject field if they were teaching the deleted subject.
- It removes the deleted subject from the examResult and attendance arrays of all students.
- 5. If the delete operation is successful, it sends the deleted subject as a response.
- . If an error occurs, it catches the error and sends a 500 status code with the error

Delete All Subjects for a School

- 1. The deleteSubjects function deletes all subjects for a specific school.
- 2. It finds and deletes subjects by the school ID provided in the request parameters.
- It updates the teachers to unset the teachSubject field if they were teaching the deleted subjects.
- 4. It sets the examResult and attendance fields to null in all students.
- 5. If the delete operation is successful, it sends the deleted subjects as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message

Delete All Subjects for a Class

- 1. The deleteSubjectsByClass function deletes all subjects for a specific class.
- 2. It finds and deletes subjects by the class ID provided in the request parameters.
- It updates the teachers to unset the teachSubject field if they were teaching the deleted subjects.

- . It sets the examResult and attendance fields to null in all students.
- 5. If the delete operation is successful, it sends the deleted subjects as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Exporting the Functions

module.exports = { subjectCreate, freeSubjectList, classSubjects,
getSubjectDetail, deleteSubjectsByClass, deleteSubjects,
deleteSubject, allSubjects };

 Exports the functions so they can be used in other parts of the application (e.g., routing).

Summary

- subjectCreate: Creates new subjects and ensures subCode uniqueness within
- allSubjects: Retrieves all subjects for a specific school.
- classSubjects: Retrieves all subjects for a specific class.
- freeSubjectList: Retrieves subjects for a specific class that do not have assigned teachers.
- getSubjectDetail: Retrieves the details of a specific subject by its ID.
- deleteSubject: Deletes a specific subject by its ID and updates related teachers and students.
- deleteSubjects: Deletes all subjects for a specific school and updates related teachers and students.
- deleteSubjectsByClass: Deletes all subjects for a specific class and updates related teachers and students.

7.teacher-controller.js

The provided code defines several functions for managing teacher-related operations (teacherRegister, teacherLogIn, getTeachers, getTeacherDetail, updateTeacherSubject, deleteTeacher, deleteTeachers, deleteTeachers, deleteTeachers, deleteTeachers, teacherAttendance) in a Node is application using MongoDB. Here's a detailed explanation of each function:

Required Modules

Imports the bcrypt library for hashing passwords.

 Imports the Teacher and Subject Mongoose models, representing the collections of teachers and subjects in the MongoDB database.

Register a Teacher

- 1. The teacherRegister function handles the registration of a new teacher.
- It hashes the password using bcrypt and creates a new Teacher document with the provided details.
- 3. It checks if a teacher with the same email already exists.
- 4. If the teacher exists, it sends a message indicating that the email already exists.
- If the teacher does not exist, it saves the new teacher document to the database.
- It updates the teachSubject in the Subject collection to associate it with the newly registered teacher.
 - It removes the password from the response and sends the saved teacher as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Teacher Login

- 1. The teacherLogIn function handles the login process for a teacher.
- 2. It finds a teacher by the email provided in the request body.
- If the teacher is found, it compares the provided password with the stored hashed password using bcrypt.
- 4. If the password is valid, it populates the related teachSubject, school, and teachSclass fields and removes the password from the response.
- 5. If the password is invalid, it sends a message indicating that the password is invalid.
 - If the teacher is not found, it sends a message indicating that the teacher is not found.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Get All Teachers for a School

- 1. The getTeachers function retrieves all teachers for a specific school.
- 2. It finds teachers by the school ID provided in the request parameters and populates their teachSubject and teachSclass details.
- If teachers are found, it removes the password from each teacher and sends the list of teachers as a response.
- 4. If no teachers are found, it sends a message indicating that no teachers were found.
 - 5. If an error occurs, it catches the error and sends a 500 status code with the error

Get Teacher Details

- . The $\mathtt{getTeacherDetail}$ function retrieves the details of a specific teacher by their ID .
- .. It finds the teacher by ID and populates the related teachSubject, school, and teachSclass fields.
- If the teacher is found, it removes the password and sends the teacher details as a response.
 - 4. If no teacher is found, it sends a message indicating that no teacher was found.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Update Teacher's Subject

- The updateTeacherSubject function updates the subject taught by a specific teacher.
- It finds the teacher by ID and updates the teachSubject field with the provided subject ID.
- It also updates the teacher field in the Subject collection to associate it with the updated teacher.
- 4. It sends the updated teacher as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Delete a Teacher

- The deleteTeacher function deletes a specific teacher by their ID.
- 2. It finds and deletes the teacher by ID.
- It updates the teacher field in the Subject collection to unset it if the teacher was teaching the subject.
- 4. If the delete operation is successful, it sends the deleted teacher as a response.
- 5. If an error occurs, it catches the error and sends a 500 status code with the error
- Delete All Teachers for a School

- 1. The deleteTeachers function deletes all teachers for a specific school.
- 2. It finds and deletes teachers by the school ID provided in the request parameters.
- 3. If no teachers are found to delete, it sends a message indicating this.
- It updates the teacher field in the Subject collection to unset it if the teachers were teaching the subjects.
- If the delete operation is successful, it sends the deletion result as a response.
- 6. If an error occurs, it catches the error and sends a 500 status code with the error

Delete All Teachers for a Class

1. The deleteTeachersByClass function deletes all teachers for a specific class.

- 2. It finds and deletes teachers by the class ID provided in the request parameters.
 - 3. If no teachers are found to delete, it sends a message indicating this.
- It updates the teacher field in the Subject collection to unset it if the teachers were teaching the subjects.
- 5. If the delete operation is successful, it sends the deletion result as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Record Teacher Attendance

- The teacherAttendance function records the attendance status for a teacher on a specific date.
- . It finds the teacher by ID.
- 3. If the teacher is not found, it sends a message indicating this.
- 4. It checks if attendance for the given date already exists.
- If attendance exists, it updates the status; otherwise, it adds a new attendance record.
- 3. It saves the updated teacher document and sends the result as a response.
- If an error occurs, it catches the error and sends a 500 status code with the error message.

Exporting the Functions

• Exports the functions so they can be used in other parts of the application, such as in

Summary

- teacherRegister: Registers a new teacher and assigns them to a subject.
- teacherLogIn: Logs in a teacher by validating their email and password.
- getTeachers: Retrieves all teachers for a specific school.
- getTeacherDetail: Retrieves details of a specific teacher by their ID.
- updateTeacherSubject: Updates the subject taught by a specific teacher.
- deleteTeacher: Deletes a specific teacher and updates related subjects.
- deleteTeachers: Deletes all teachers for a specific school and updates related
- deleteTeachersByClass: Deletes all teachers for a specific class and updates related subjects.
- teacherAttendance: Records the attendance status for a teacher on a specific data