



UNIVERSITY OF
WOLVERHAMPTON



HERALD
COLLEGE
KATHMANDU

Object Oriented Design And Programming 5CS019

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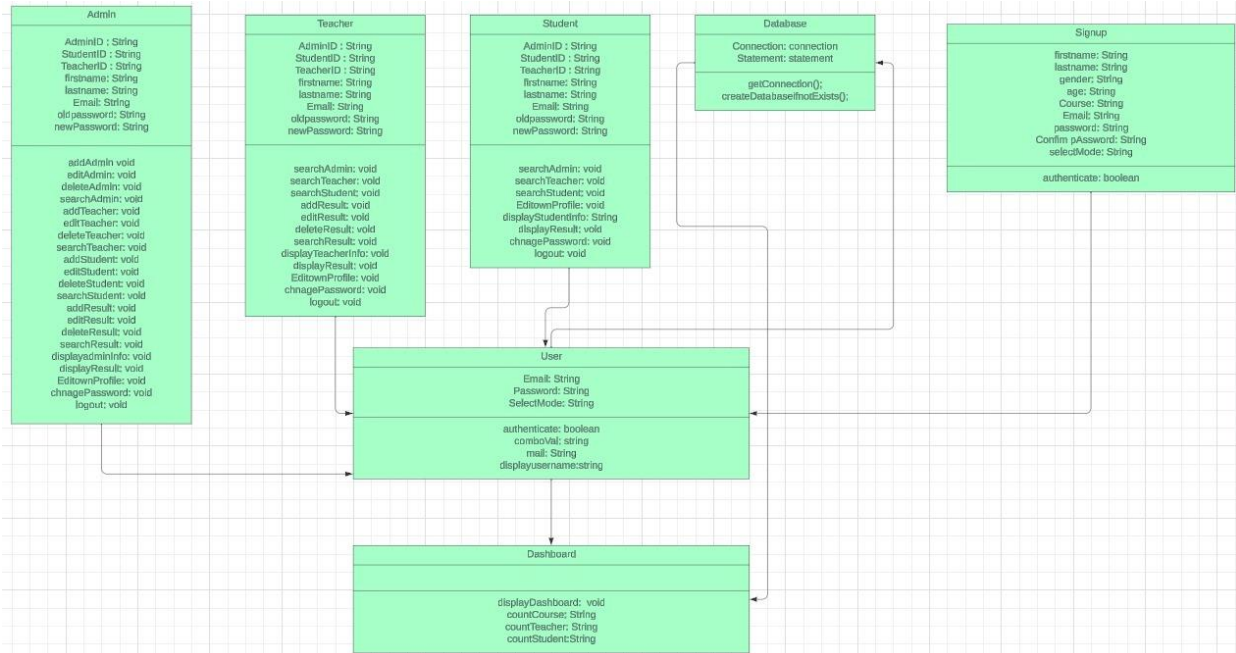
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UML Diagram Course Management System



The course management system is an all-inclusive tool for managing college staff members including instructors, administrators and students. Admins are like bosses, holding ultimate control in the course management system. They can add, edit or delete courses, manage tutors by adding, updating, or deleting them and handle student issues by adding, editing, or deleting student records. With complete authority, admins oversee the entire system's operation, ensuring smooth management of courses, tutors, and student details. Additionally, admins can modify their own profile details, such as email and password, using their unique ID. Tutors get access to student information, can look up courses, and see how many tutors are available. They can also add assessment results for students, which makes it possible to track students' academic progress in the course effectively. Moreover, they can modify their profile information using their ID. Students can look up other students, examine tutor details, and get course material. They can also view the results of their own assessments from their accounts. However, students are prohibited from modifying course or teacher information.

The Java project for the Course Management System works perfectly without any mistakes. We used Object-Oriented Programming (OOP) principles a lot while making this system. Things like encapsulation, inheritance, polymorphism, and abstraction were used to make the system better and easier to understand. These OOP features helped us break down the work into smaller parts making it easier to manage and grow. We also looked up information online to learn new things and add them to the project, which helped make it successful.