Security Features for Online Tutoring Platform

1. **Authentication**

   Making sure users are who they say they are by requiring username/password or other login methods. This stops random people from accessing accounts.

2. **Authorization**

   After logging in, this decides what specific things each user can do or see. Like students can't access teacher functions even if they're logged in.

3. **Database Security**

   Protecting where you store all user info by using encryption and being careful about how your code talks to the database. Prevents hackers from stealing data.

4. **Role-Based Access Control**

   Giving different permissions to different types of users (admin, teacher, student). Each role only sees screens and features they need.

5. **Data Encryption**

   Converting sensitive information like passwords or payment details into coded format so that if someone steals it, they can't understand it without a special key.

6. **Input Validation**

   Checking that what users type in forms is safe before accepting it. This stops people from submitting code or weird text that could break your site or steal data.

7. **Session Management**

   Controlling how long users stay logged in and tracking their activity. This logs people out after inactivity and prevents session hijacking where someone takes over an active session.