
INTERVIEW CHALLENGE

PROBLEM DESCRIPTION

As a student, I need the ability to access and check my class scores online at the end of each month.

The online portal should be secured with a login and password to ensure the privacy and confidentiality of the information.

BUSINESS CONTEXT HIGHLIGHTS

1. The system caters to a maximum of 1000 students.
2. Each student can have up to 10 classes associated with their profile.
3. Students may be located anywhere in the world, indicating a global reach for the system.
4. The expected response time for the system is no more than 2 seconds, ensuring a quick and efficient user experience.
5. The high availability of the system is considered critical, emphasizing the importance of ensuring uninterrupted access and functionality.

TASKS

1. Create conceptual high level diagram for the system
2. Create deployment diagram of the core components.
3. Using Python or Java create RESTful API component which will have as an input user's credentials and as an output set of classes:score