Interview

1. What is the main goal of your system?

The system is used during the lecture to create some communications between the doctor & the students.

1. What should the system provide?

The system will provide some web services & connections between devices throughout the lecture but Offline.

1. What are the main actors of your system & how the system acts with them?

There are two types of actors in the system:-

* Doctor acts as the server or the host of the entire system.
* Students act as the clients who are served by the system features.

1. What are the main functions of the system?

The system prompts the student to login if he is not registered, he is prompted to register.

The doctor who is the admin of the system, he has the data, he has the privileges to add students or reject them.

1. How does the system interact with the doctor?

The system enables the doctor some functionalities that can create other functions & affect the students for instance:-

* Login: activates the system in which the students can’t login the system while doctor is logged out.
* Take absence: the doctor can take absence list from the logged in students.
* Share slides: the doctor can share slides with the students to display it on their devices.
* Create quiz: in any moment the doctor can share a quiz with students to solve it in the lecture time & collects the answers whenever he wants.
* Log out: when the doctor logs out of the system all the students are logged out.

1. What are the functionalities of the student?

The system provides the student some limited features because it depends entirely on the doctor, in other words these functions are affected by the doctor’s functions:-

* Login: the student can enter the system only if the doctor is logged in & so as long as he is logged in he is counted as present in the take absence function.
* Register: if it’s the first time the student opens the system, he is to register his data & can only be approved by the doctor.
* Answer quiz: only in case of the doctor makes a quiz the student is permitted to answer it.
* Download data from lecturer: in case of the doctor shares slides the students can download it if they want.
* Log out: the student can logout of the system whenever he wants but if the doctor logs out, all are out.

1. What are the non-functional requirements of the system?

There are some non-functional requirements that the system needs for instance:-

* Security: none can enters the system without the doctor’s approval.
* Performance: the speed of the system & time cost depending on how easy & short the system life cycle & the implementation should be.
* Validation: the most important step in life cycle, the inputs must be validated so no error or exception occurs.
* Reliability: in any applicable system, the most important feature of it is reliable to avoid sudden shut down or connection error.

1. What is the way that the system connect the devices with each other?

The system connects the devices with each other through their IP addresses & Socket Programming.