
Coding Bootcamp

Individual Project Brief

Following Assignment 2 you need to implement the following functionality:

1. Re-design your system to support different user roles, e.g. Student, Trainer, Head Master. The user must be able to login to the system with these different roles [15 marks]
2. Each role should be able to do specific actions as these are designated by the Head Master,
 - a. Student, enroll to any Course under any Trainer and submit any Assignments that are designated to him / her [15 marks]
 - b. Trainer, view the list of the Students and mark any assignments [15 marks]
 - c. Head Master, create any courses needed, appoint the trainer(s) and the students under each of the courses, appoint assignments to each of the courses [30 marks]
3. The login system must implement persistence and security along with password hashing [25 marks]

Specifically, each role must be able to do the following:

- a. Student
 - i. See his / her daily Schedule per Course
 - ii. See the dates of submission of the Assignments per Course
 - iii. Submit any Assignments
- b. Trainer
 - i. View all the Courses he / she is enrolled
 - ii. View all the Students per Course

- iii. View all the Assignments per Student per Course
 - iv. Mark all the Assignments per Student per Course
- c. Head Master
 - i. CRUD on Courses
 - ii. CRUD on Students
 - iii. CRUD on Assignments
 - iv. CRUD on Trainers
 - v. CRUD on Students per Courses
 - vi. CRUD on Trainers per Courses
 - vii. CRUD on Assignments per Courses
 - viii. CRUD on Schedule per Courses