**SDA ASSIGNMENT#01**

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SECTION: H

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**SCENARIO#01**

“The Reader” is an online bookstore. In this system the customer or user can browse and search for different books in different categories, or filter the books of their preference. A person who visits the system can either be a simple user without an account or can be a customer with an account. After placing their desired order, the customer must login before checking out. For the customer to check out the cart must have at least one item. When the cutomer is checking out, the customer’s order details and shipping info will be noted and saved. The customer can perform the following operations on his shopping cart: add, remove, update the quantity, and check out. Customers can choose their preferred payment method, the cutomer can either choose to pay online or choose cash on delivery.

The admin of the system has access to all the user’s information and the product information that are available. The order once placed by a customer is then saved under that customer’s name with all the details like the order id, status and total cost etc.

**SCENARIO#02**

There is a well established educational website “ABC Learning”, it is an online educational website which offers multiple quality online courses about multiple fields in computer science and after the completion of each course the user will be given a certificate about their accomplishment. A user can view all the courses available on the website but he/she can not enroll in any course without a user account. Also the user needs to make the payment as soon as he enrolls in a course. If the user already has an account then he/she can simply login with their user id and password. But if the user does not have an account already then they need to make one before taking a class, the user can use their other social accounts to log in to the system. If the user has succesfully completed a course succesfully only then they will be able download their certificates. Once user has paid for a course and finished it they can even give a review about it.

If a user is enrolled in the course they will be given a notfication about each update whether its realted to an assignment or a grade or some lecture being uploaded. The enrolled user will be able to take assignments and quizzes. The student can not update their own marks and will only be able to see their own marks and not others. Also the student can only take a quiz after they have finished watching all the material provided about the topic regarding the quiz.

The teachers on this system can upload courses and material related to it. They will be able to check all the student’s activities, assignents, and quizzes. Then they will update grades of all the students. Finally the admin will be able to check the quality related to each course. He will be the one who makes sure that the syllabus and everything that is taught by the instructor in a course is up to the par or not. So all the material related to the course will be viewed by the admin.