

# Assignment Review

Duration : 90'

Create a database: BikeManagement

1. User table: **tbAccount**

| Field Name | Type                      | Validation |
|------------|---------------------------|------------|
| userID     | varchar(50) (Primary Key) | Not null   |
| fullName   | nvarchar(500)             | Not null   |
| password   | varchar(50)               | Not null   |

2. Bike table: **tbBike**

| Field Name | Type                     | Validation             |
|------------|--------------------------|------------------------|
| id         | varchar(5) (Primary Key) | Not null, format: Bxxx |
| name       | nvarchar(50)             | Not null               |
| quantity   | int                      | Numeric, not null      |
| model      | nvarchar(50)             | not null               |

**Requirements:** Use the MVC2 model with MainController

Create a Java web application, which can be used to manage the Bike. The application has the following functions:

| No | Function | Description  |
|----|----------|--|
| 1  | Login    | <ul style="list-style-type: none"><li>- On the login.jsp page, the user enters userID and password.</li><li>- The system will check<ul style="list-style-type: none"><li>o if the userID with the password is correct, then redirect to bikeList.jsp page.</li><li>o If not, the system will show the message " Incorrect UserID or Password" on login.jsp page.</li></ul></li></ul> |
| 2  | Welcome  | <ul style="list-style-type: none"><li>- After successful login</li><li>- On bikeList.jsp page needs to show the welcome the fullName of the logged-in user.</li></ul>  |
| 3  | Logout   | <ul style="list-style-type: none"><li>- After successful login</li><li>- On bikeList.jsp page needs to have a logout function with</li></ul>   |

|   |        |  |
|---|--------|--|
|   |        | <p>the logout button.</p> <ul style="list-style-type: none"> <li>- When the user clicks the logout button and redirect the user to the login page.</li> </ul>  |
| 4 | Search | <ul style="list-style-type: none"> <li>- After successful login</li> <li>- On bikeList.jsp, you create a screen for searching bike by keyword of the name (the user only enters a few characters of the name), not case sensitive.</li> <li>- If the application finds a match: the data grid of bike is shown with no. , id, name, quantity and model.</li> </ul>       |
| 5 | Add    | <ul style="list-style-type: none"> <li>- After successful login</li> <li>- On bikeList.jsp page, user clicks on link "Add" to add a new bike (addBike.jsp page)</li> <li>- After activity is succeeded, the user clicks on the link "Back" to return to the search.jsp page</li> </ul>   |
| 6 | Remove | <ul style="list-style-type: none"> <li>- After successful login</li> <li>- On bikeList.jsp page, after searching the list bike will be shown in data grid with "Remove" <b>button</b> in each row.</li> <li>- Users remove information of bike directly on bikeList.jsp.</li> <li>- After activity is succeeded, the data grid of the page must be refreshed.</li> </ul> |