



Course Title and Code	Web Technology - IS231
Instructor(s)	Prof. Ihab Ezzat and Dr. Ayman El-Kilany
Final Assessment Type	Project Report
General Instructions	1- Choose only ONE project from the topics listed below. 2- Choose your team (groups of 5 at most) or do it <i>individually</i>
Project Description and General Requirements	<p>The purpose of this project is to exercise concepts and techniques learned in the class. You are required to form teams and develop a web based application.</p> <p>The project should embrace the following aspects:</p> <ol style="list-style-type: none">1. The main pages must be built using HTML, CSS and Ajax.2. Using a database connection using PHP.3. Making use of session, and cookies.4. Perform client side input validation using JavaScript. <p>Students are required to implement it and describe the project elements in the delivered document.</p>
Deliverables	<p>A documentation for the project which includes the following chapters:</p> <ol style="list-style-type: none">1. Introduction Chapter<ol style="list-style-type: none">a. Descriptionb. Technologies usedc. Team members Roles2. Design/Implementation Chapter<ol style="list-style-type: none">a. Code for each web page3. Project Output Chapter<ol style="list-style-type: none">a. Each functionality should be depicted as series of screenshots from the implemented website.
Grading	<ol style="list-style-type: none">4. Introduction Chapter (10 points)5. Design/Implementation Chapter (45 points)6. Project Output Chapter (45 points)



Project 1	University Library Management
Required minimum functionalities	<ol style="list-style-type: none">1. Signing up a new user (e.g. admin, student)2. Login as admin and as student3. Updating a user details4. Adding a book (by admin)5. Updating a book details (by admin)6. Browsing books ((by admin and students)7. Showing a list of books that satisfy certain criteria (e.g., ISBN, publication year, author...)8. Sending emails to late borrowers9. Performing operations on books: borrowing, returning, extending borrowing period10. Log out
Project 2	Domestic flight reservation
Required minimum functionalities	<ol style="list-style-type: none">1. Signing up a new user (e.g. admin, customer)2. Login as admin and as customer3. Updating a user details4. Adding an aircraft (by admin)5. Updating an aircraft details (by admin)6. Adding a flight (by admin)7. Updating a flight details (by admin)8. Showing a list of available flights that satisfy certain criteria (e.g. date, source, destination, required number of seats...)9. Performing operations on flights: booking, canceling, changing class, accepting payment10. Sending booking/cancelation confirmation emails.11. Log out
Project 3	Train booking
Required minimum functionalities	<ol style="list-style-type: none">1. Signing up a new user (e.g. admin, customer)2. Login as admin and as customer3. Updating a user details4. Adding an train (by admin)5. Updating a train details (by admin)6. Adding a trip (by admin)7. Updating a trip details (by admin)8. Showing a list of available seats that satisfy certain criteria (e.g. date, time, source, destination, required number of seats...)9. Performing operations on trips: booking, canceling, and accepting payment10. Sending booking/cancelation confirmation emails.11. Log out