

SCHEDULE

-----DAY 1(7 hrs)-----


1. Overview of Library Management System
 - Web application.
 - To create a basic inventory system.
 - Library Management System
 - Example of a Library Management system.
 - Need of Library Management System
2. Creating a Java web project
 - Developing a simple web project
 - Deployment descriptor
 - Web content folder
 - web.xml
 - HTML Page
 - Run the application

-----DAY 2 (7 hrs)-----

3. Java servlets and JSPs
 - Definition of web server
 - Definition of web container
 - Creating a servlet
 - Running the servlet
 - Including HTML inside Java code
 - Running the Project again
 - Difference between Servlets and JSPs
 - Creating a JSP

-----DAY3-(7hrs)-----

4. Servlet Methods
 - Creating the home page of Library Management System
 - Go to index.jsp
 - Modify the index.jsp by creating a form
 - Create GreetingServlet.java
 - Servlet as a controller
 - Inside the doGet method retrieve the form data parameters
 - Run the project and see the output
 - Repeat the same for doPost method
 - Difference between doGet and doPost methods


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-----DAY4-(7hrs)-----

5. Database and validation

- Create database library
- Create table users
- Load JDBC Driver
- Run the project
- Login and show successGreeting page
- Explain GreetingServlet.java
- Explain getParameter method
- Explain code for JDBC connection
- To redirect to successGreeting.jsp use RequestDispatcher
- Similarly explain how to print error messages on index.jsp
- Explain about scriptlet in index.jsp
- What is Model
- Explain the User Model
- Register as a new user
- Explain about successUser Page
- Explain AddUserServlet.java
- Explain different errors possible while filling the form


-----DAY5-(7hrs)-----

6. Creating and viewing inventories

- Modify the login page to redirect to admin page
- Create Book and Checkout model Modifying GreetingServlet.java Creating #*AdminSection.java Create listBooks.jsp Fetch all the book details
- Create listBorrowedBooks.jsp Fetch borrowed book details
- To display the books borrowed by logged in user

7. Issuing and Returning a book

- Adding more functionalities to the Admin Section Page
- Listing all the users
- Checkout/Return a book
- Modifications in the corresponding servlets
- Interface for checkout and return
- Creating CheckoutServlet.java


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