



**Institute of Science and Technology for  
Advanced Studies and Research**

A constituent college of

**The Charutar Vidya Mandal University**



**Practical List**

**Master of Computer Application (MCA)**

**SEMESTER – III**

**Subject Title – Practical based on  
Advanced Web Application Development**

**Subject Code – 101550306**

**--: Prepared By :-**

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1	Create named route for ISTAR. Create 3 blades as a MCA, IT and GIS. Set ISTAR route in all 3 pages as href link.
2	Create a route group for user with sub routes as view, insert, update and delete.
3	Create parameterized route which accept name as parameter and display that name.
4	Create middleware for checking age. If age is grater then 18 it will redirect to requested page, redirect to login page otherwise.
5	Create middleware for login authentication.
6	Create group middleware as authentication is required to traverse any page in group.
7	<p>Create a new project as middleware_example</p> <p>Create four blades as home, about, contact, dashboard and write a proper message in these blades as "This is &lt;_____&gt; Page, to access it login is Required" except "home" blade. Write a welcome message in home blade.</p> <p>Create four routes for the same without parameter.</p> <p>Note: it will show above message when you will not pass the parameter.</p> <p>Create other three routes for about, contact, dashboard with parameter as uname and pass. Also give the name to these routes.</p> <p>Set hyperlink of these three pages in home page using name of routes.</p> <p>Create one middleware as LoginCheck.</p> <p>Write a code to get the parameter passed in url.</p> <p>Check if uname and pass both is "admin", allow to access requested page.</p> <p>Otherwise redirect it to home page.</p> <p>Apply this middleware in all three parameterized route.</p>
8	<b>Basic Controller</b> - Write a Program to create a controller for different arithmetic operation. Create four functions within it named as add, sub, mul, and div. create routes for calling these functions with a parameter.
9	<b>Basic Controller</b> - Create a controller for 3 operations. 1. For factorial 2. Sum of odd numbers 3. Sum of even number. Create routes with one parameter and perform the above operations.
10	<b>Single Action Controller</b> -Write a single action controller for return the square.
11	<b>Single Action Controller</b> - Write a single action controller for return the Cube.
12	<b>Overloading</b> -Write a code for post login credentials in the controller. If user is authenticate (id and password as admin), redirect to welcome page. Redirect to login page otherwise. Use same url for all routes.
13	<p><b>Overloading</b>-Create a controller and create a function in as login within it. Take two parameters as id and password and perform the following operations. Use same url in all routes.</p> <ol style="list-style-type: none"> <li>1. Display a message as "Login is required" if no parameter passed.</li> <li>2. Display a message as "Password is required" if only one parameter is passed.</li> <li>3. Display a message as "Wrong user or password".</li> <li>4. Display a message as "Welcome" otherwise.</li> </ol>
14	Write a program to post the data.
15	Write a program to post login credentials and check weather user is authenticated or not.
16	Create components for the header and footer and include it in every page of web

	application. (x-header and x-footer)
17	Crete a master (layout) page using the template inheritance and inherit in every page of your web application.
18	Create one database as Laravel in mysql. Create table as user with the fields as uid, uname, password, email, mobile and city. Write a code in Laravel to insert the record.
19	Create login form for the user and check the authentication of user.
20	Write a code in Laravel for show all the records of user table.
21	Write a code in Laravel for update the record from user table.
22	Write a code in Laravel for delete the record from user table.
23	Write a code to search record by name from user table.





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