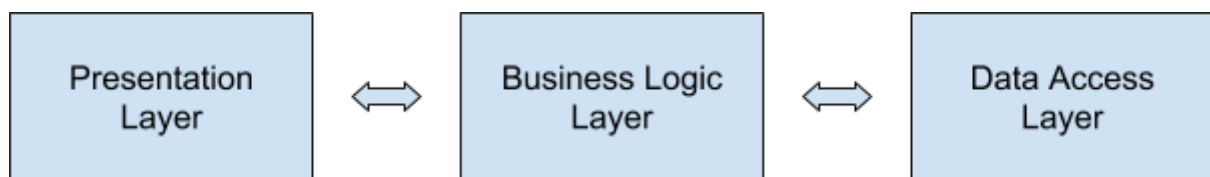


3-Tier Architectural Diagram

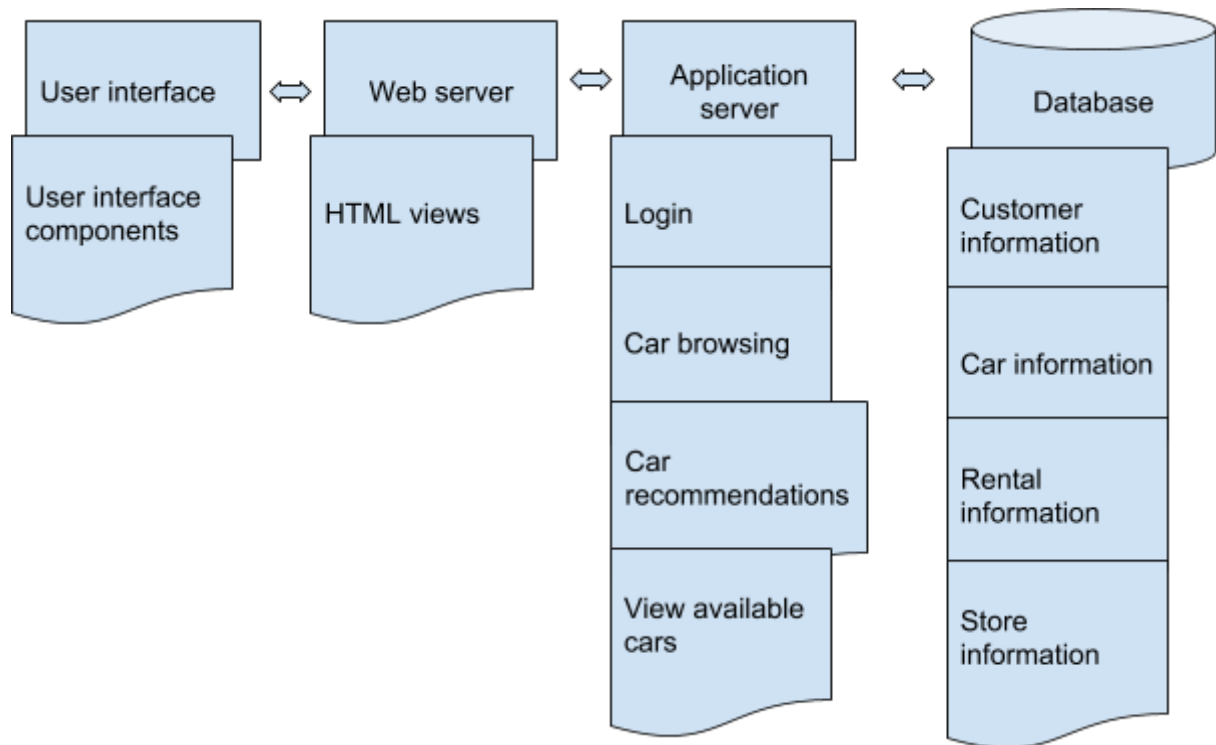
A 3 tier architecture comprises of 3 layers. The presentation layer, the business logic layer and the data access layer.

The presentation layer is what the user interacts with. the presentation layer is usually written in HTML, CSS and JavaScript. The application or business logic layer comprises of the functional business logic which runs the applications core capabilities. Finally the data layer is where all the information the website needs to function. For this the data layer is run using MySQL or other data muniating languages. The reason why our group used a 3 tier architecture is because it is easier to make, easier to debug, has a higher performance and has more availability. By having the css and HTML on a separate layer than the having it run in the function business logic layer it makes it easier to organise the code. Another reason that we used a 3 tier architecture is that it has scalability if the website is focused is presentation it could have basic business logic layer and a more advanced presentation layer and for a more functional website visa versa.

Logical diagram



Physical diagram



Details

User interface

User interface components

Application server

Business logic 1 = car browsing

Business logic 2 = car recommendation

Business logic 3 = log in

Business logic 4 = view available cars

Database

Database layer 1 = customer information

Database layer 2 = car information

Database layer 3 = store information

Database layer 4 = time

Web server

HTML views