Web Fundamentals

Questions:

1. What is the World Wide Web?
2. Explain the functional differeeces between a web application's front end and back end.
3. Describe what occurs on the back end during a web interaction using the "Google query example" (refer to page 10 of this PDF) or create your own example.
4. What is the MERN stack?

Answers:

1. World Wide Web (www) is global information system. It has web pages created by us using several or one particular Programming Language. As mentioned above, it is vast! And, of course, there are many web pages. These pages are connected to one another or work supporting one another. But what connects them together is called Hyperlink.

2. 2.1. Front End.

Example, we open our PC and go on GOOGLE and type a letter or a number, anything really. Then, GOOGLE shows us the options depending on what we typed. We click one option or we go back and start typing again. When we eventually click on the option and go further we get a result. It could be a picture, music or document etc. Anything the user sees on the screen is we call Front End of Web Development.

2.2. Back End.

Continuing what's said above, whatever we typed, that goes to GOOGLE Server (Server). Before it reaches the Server it goes through steps, events. And the Server gives us the best option between choices or the common choice within the choices. These all operates behind the screen. We don't see it. And that's called Back End.

3. Say, I have opened a page on GOOGLE. And someone posted an advert on here about selling a furniture and there is link to it. I click on the link which opens an another page on the browser. So, what happened here is

the Server opened a new page for me because I clicked the link . Or I start typing a name and the Server gives options with the second names. Here, the Server is taking all of the information and choosing what to show first on the screen. This was the example of the Back End process.

4. To create a web application we need STACK. Stack is a collection of technologies. There are several types of stack which helps hugely to create a web page. One of them is called MERN STACK. Mern Stack is used when we work with JS. It helps to implement the work more quicker, easier and more capable. It is the technology which creates better interaction between server and the user.