● When we hit https://www.techtonicgroup.com/ what happens? Don't focus too much on architecture (Monolithic, SOA, Microservices, etc.). Try to focus more on how the web functions.

When I enter the URL into my browser, my browser translates that URL into an IP address.  That IP address tells my browser to retrieve information from the server that is hosting the techtonic group website.  My broswer then translates the information from the server into what I view on my browser.  It turns the information from the server into the readable understandable content.

● From start to finish how does that data reach you to be rendered in the browser?

When I navigate to a webpage, my computer is asking the server to get an html document.  The server will check to see if the requested file exists.  If it does exist, the server will send the file back to my computer.  My browser will then interpret the html code into what I see as the webpage.

● What code is rendered in the browser?

The code rendered in the browser is the html, javascript, and css code.

● What is the server-side code's main function?

Server-side code is run on the server.  This is used for customizing user experiences.  For example, a user can log in to a webpage and get a unique interface or be presented with unique data.  The processing done to generate that unique experience is done at the server and not on the client side.

● What is the client-side code's main function?

Client-side code is run inside a web browser on the user's computer.  It is the code that is interpreted by the browser to create the user interface.  It is what the user will see when she accesses a webpage.

● How many instances of the client-side assets (HTML, CSS, JS, Images, etc.) are created?

One instance is generated per request.

● How many instances of the server-side code are available at any given time?

I think that depends on what purpose the program on the server side provides.

● What is runtime?

   Runtime is the time a program is running from beginning to end.

● How many instances of the databases connected to the server application are created?

   I think there is one connection so it would be one instance.