1. Why does the servlet uses different methods to extract the data for the parameter color and food in the servlet code.

This is because food is a check box and multiple values can be selected; therefore, food will be a String Array so we will use getParameterValues().

1. How would you change the html/servlet code to this application to make browser send HTTP GET request to the server when user clicks the submit button and also get the correct response?

Instead of doing public void doPost() it would be public void doGet().

1. Can you support both a get request and a post without duplicating your code? How? What would you do?

Yes. By having both a doGet() and a doPost() one can perform either function. To prevent duplicating code, under the doPost() method invoke method doGet(). So I would do it like this:

public void doGet(HttpServletRequest request, HttpServletResponse response) throws IOException, ServletException {…Code… }

public void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

doGet(request, response);

}

1. In tomcat we have a directory called WEB-INF under our application, if you change this directory name to lowercase directory name web-inf, will the applications still work? What if you changed it in your project and re-build? Will it build correctly?

Yes. No

1. What are some of the advantages and disadvantages of using *RequestDispatcher*? What are some of the advantages and disadvantages about using reditects? Why would you use one over another?

The advantages of using RequestDispatcher is that it is quicker than a redirect. It handles everything on the server while in a redirect situation a new URL is sent to the browser where the work for redirecting is done on the client side. In a RequestDispatch the servlet can pass off a task to another part of the server that will better help. The client will be unaware of this because the URL in the browser will not change. In some cases you would want to use a redirect in the fact that it starts a new get request. Say you refresh a page with a submit. When the page is reloaded it only reloads the new and not the intial state; therefore, preventing a multiple submits.