KIT214 Assignment 2

1. Text

   Description automatically generatedItem list web service

Figure : XML list to display seller’s items

For part I used XML to list the items for each seller. I would usually use a database for this and then list the item from that however, the assignment sheet seemed to want this part as an XML. I then used php to echo those items back and display them on the webpage.

1. Search for online items

Table

Description automatically generated with medium confidenceFor this section I used JSON to pass GET of the name of the item searched back to itself and then used that to search for the item in my SQL database. It then returns the item id, name, price, and seller. Then I used php to display those items. I used two error codes in this section with an added a brief description for each. 400 bad request – for when the user searches for something that is not a name e.g., 123. I also user 404 not found. This is for when a user searches something that is not on any sellers site. If the item is found on two seller site, they are both listed with links to there page so that the user can only buy it form one seller.

Figure : Searching item on 2 sites and displaying in a list

1. Purchase an online item

For this section I manually passed the user id to my site. This assignment didn’t say anything about making a log in service or sign up. I only have one user set up with the id of 1. I pass the user id, item id, quantity, and price to the webservice. It first checks to see if the user has enough balance. If they do, then the price is taken away from the user balance. If not, it then returns error 403 with a brief description. I have made the quantity always one, so that the user can only buy one item at a time.

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1. Add balance

For this I have used a similar approach as the order section. The current balance is displayed. If zero is added, then it continues to show the current value. If an amount is added, then the new current value is shown. I did this displaying the current balance of the user then if funds are added the database is updated with the amount added to the balance, then reloading the page to display the new value.

Graphical user interface, text

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