FUNCTIONAL & NON-FUNCTIONAL REQUIREMENTS

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| **No.** | **Requirement** | **Feature** | **SS/**  **CS** | **F/**  **NF** |
| 1 | Client needs to be always connected to the server. | All | CS | F |
| 2 | Client should have an interface for the customer to enter login information. | Login | CS | NF |
| 3 | Client must send login information to the server to be checked. | Login | CS | F |
| 4 | Server must check the sent login information by the client and respond to the client. | Login | SS | F |
| 5 | Client should be able to display list of categories and click on them for browsing. | Browse category | CS | NF |

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| 6 | Client must send the clicked category’s identification to the server. | Browse category | CS | F |
| 7 | Server must provide the selected category’s content list for the client. | Browse category | SS | F |
| 8 | Client should have an interface for the customer to enter special keywords to search a product. | Search products | CS | NF |
| 9 | Client must send the entered keywords to the server. | Search products | CS | F |
| 10 | Server must compare the sent keyword with products list and respond. | Search products | SS | F |
| 11 | Client should be able to display a product’s description such as name, model, image, price and details. | View products description | CS | NF |
| 12 | Server must provide the selected product’s description for the client. | View products description | SS | F |
| 13 | Client should have an interface for the customer to add a product to the shopping cart. | Add products to the cart | CS | NF |
| 14 | Client must send the clicked product’s identification to the server. | Add products to the cart | CS | F |
| 15 | Server should add the product to the customer’s shopping cart on the database. | Add products to the cart | SS | F |
| 16 | Server should be able to check a product’s quantity on the database. | Check item quantity | SS | F |
| 17 | Client should have an interface for the customer to remove an already added product on the shopping cart. | Remove product from cart | CS | NF |
| 18 | Client must send the removed product’s identification to the server. | Remove product from cart | CS | F |
| 19 | Server should remove the product from customer’s shopping cart on the database. | Remove product from cart | SS | F |
| 20 | Client should have an interface for the customer to change the quantity of an already added product on the shopping cart. | Change quantity | CS | NF |
| 21 | Client must send the new quantity and the product’s identification to the server. | Change quantity | CS | F |
| 22 | Server must update the customer’s shopping cart content on the database. | Change quantity | SS | F |
| 23 | Client should have an interface for the customer to checkout and view the checkout receipt. | Checkout | CS | NF |
| 24 | Client must send the customer’s identification to the server. | Checkout | CS | F |
| 25 | Server must provide the customer’s checkout receipt for the client. | Checkout | SS | F |
| 26 | Client should have an interface for the customer to view the payment method’s authentication and enter required credentials. | Payment method | CS | NF |
| 27 | Client must send the provided credentials to the server. | Payment method | CS | F |
| 28 | Server must perform the money transfer and send back a confirmation. | Payment method | SS | F |
| 29 | Server must update the database with the required checkout processes. | Payment method | SS | F |
| 30 | Client must be provided bank payment method as well as Cash on Delivery method. | Payment method | CS | NF |
| 31 | Client should be able to see order details (Delivery time, amount, delivery type and etc. | Placing Order | CS | NF |
| 32 | Client should be provided a free view for window shopping. | View Products | CS | NF |
| 33 | View should be optimized for portrait and landscape mode. | All | CS | NF |
| List of Abbreviations  No. Number  SS Server side  CS Client side  F Functional  NF Non-Functional | |  |  |  |