1. Functional Requirements

The following requirements have been identified for successful completion of the project.

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| ID | Requirement | Notes | Priority |
| 1.1 | The Product class will define a product according to the ID number, name, description, size, and color | This is the order necessary for creating products in the control | 1 |
| 1.2 | The system will store individual existing product ID numbers, names, descriptions, sizes, and colors in the Product control | ID numbers will not repeat; products will be added using the format defined in the Product class | 1 |
| 1.3 | The system will store a list of existing product ID numbers, names, descriptions, sizes, and colors in the Product control | The list will contain the same format that was created in the Product class | 1 |
| 1.4 | The system will print a list of products that have been stored | All items can be printed from the URL of the api with “/api/Product URL.” | 1 |
| 1.5 | The system will print individual products that have been stored | Individual items can be found according to their ID number in the URL (“/api/Product?id=”) | 1 |
| 1.6 | The system will generate an index as the “home page” that will contain the code for the form | The index will be produced as a view | 1 |
| 1.7 | The index will have a control that prints out the title for the home page | This can be found in Home Controls, which is the same folder that holds controls for the zip code, labor cost, price, name/description, color size, and ID of the product created in the form | 2 |
| 1.8 | The system will generate new text for the zip code, labor cost, price, name/description, size, color, and ID of the product | The original text for the placeholders will be replaced with the new information from Home Controller | 1 |
| 1.9 | The views for the zip code, labor cost, price, name/description, size, color, and ID will print out the message that was defined in the Home Controller | There are individual views for each of these | 1 |
| 2.0 | The form will determine the shipping cost according to the zip code | This is done by entering a zip code | 1 |
| 2.1 | The form will provide the labor cost for the item selected | This is based on the name and size of the item selected using radio buttons | 2 |
| 2.2 | The form will provide the price for the item selected | This is based on the name and size of the item selected using radio buttons | 1 |
| 2.3 | The form will print out the properties for the item selected (including the product’s id, name, description, size, color, price, and labor cost). | The product’s id will be determined by the number of times the user prints properties for different items | 1 |