

## 7. Test and evaluation

### 7.1. Requirements testing

Req. no.	Requirements Description	Req. Type	MoSCoW	Test result: Fail/Pass	Notes
1	The solution must automate and simplify the process of selling and buying goods, such as second-hand books, within the University of Surrey environment.	Non-functional	M		
Database					
2	The centralized database that contains the products must update automatically and daily.	Non-functional	M		
3	The solution must update the list of products so that a product becomes unavailable after a user purchases it.	Functional	M		
Seller/Buyer requirements					
4	The solution must ask the users (byers & sellers) to agree with ‘The Sales of Goods Act 1979’ and adhere to it: “ <i>traders must sell goods that are as described and of satisfactory quality</i> ” [4], [5]. The Terms & conditions must be accessible, meaningful and fair.	Non-functional	M		
5	The solution won’t require the users to register. The	Functional	W		

	login process will be based on the existing Active Directory (AD) groups. New users will be automatically added in the database.				
6	The solution must validate the user information upon registration e.g. text fields that require information and valid email that contains '@', '.'.	Functional	M		
7	The solution must allow the users to search products based on categories e.g. books or room swaps.	Functional	M		
8	The solution must provide a search functionality (text-box search) to allow the users enter keywords.	Functional	M		
9	The solution should enable the users to sort the products based on price (Low to High, or High to Low).	Functional	S		
10	The solution must provide information about the product: Title, Description, Price, Category and Seller contact information.	Functional	M		
11	The solution must ask the seller to fill specific fields regarding the product: Title, Description, Price, Category and Seller contact information such as email address and/or mobile phone number.	Functional	M		
12	The solution should provide a 'My profile' area for each user.	Functional	S		

13	The solution should allow users to bookmark items.	Functional	C		
14	The bookmark functionality must protect users' bookmarks and follow data privacy policies.	Non-functional	M		
15	The solution won't allow items to be purchased online (PayPal services) provided that the users are students that live on campus and they'll meet for the delivery and payment of the product.	Functional	W		
16	The solution won't provide delivery charges, stages involved in ordering process and dispatch information.	Functional	W		
17	The solution won't provide refund functionalities.	Functional	W		