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ACS 560  
9/21/15  
  
  
Functional Requirements  
  
1. Users will be able to manage their shopping list. *(Managing their shopping list will include adding, editing, and removing items.)*

1A. Users will be able to add items to their shopping list. (*Being able to add an item to the list is an essential feature.)*

1B. Users will be able to edit items in their shopping list. *(The ability to edit an item is needed in case user enters inaccurate information.)*

1C. Users will be able to remove items from their shopping list. *(The ability to remove an item is an essential feature.)*  
   
2. Users will be able to search for sale prices at supported stores for an item in their shopping list. *(This will allow users to find prices for an item of interest.)*  
  
3. Users will be able to add an item that is available for sale to the system. *(This allows users to add items that are not located by Requirement 2.)*

4. Users will be able to validate whether an item is available at a sales price. *(This allows users to determine whether an item is still available.)*

5. Expired user-created deals will not appear in search results. *(This feature is necessary for ensuring that only valid deals appear.)*

6. User information and user-created deals will be stored in a database. *(This is an essential feature ensuring that information is stored.)*

7. Users shall be uniquely identified by a user name. *(This prevents duplicate user names from existing in the system.)*

Non-Functional Requirements

8. Client application will use Java programming language on Android Operating System.

9. Server application will use JavaScript programming language with node.js on Linux Operating System.

10. Server application will use mongodb as datasource.