

In partial fulfillment of the requirement for  
System Development  
420-940-VA section 05808  
Vanier College

# User Stories

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## 4<sup>th</sup> Deliverable


Customer Name:  
**Delhi Kabab**


Team Name:  
**Green Team**


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## 1. STATEMENT OF PREVIOUS WORK EXPERIENCE

In this deliverable, the team utilized user story, product backlog, and user story map. None of the team members have any prior experience using these tools. Each team member experienced working using these tools for the first time in this deliverable.

Table 1: Prior projects with similar experiences in Deliverable 4

Projects Made	Skills	Contributor/s
No Previous Related Project for this Deliverable	Not Applicable	Not Applicable

## 2. EXECUTIVE OVERVIEW

In this deliverable, the team was able to meet the client and gather more information specifically what the client wants to have in the system. With the use of user story, the team gained a deeper understanding on what functionalities to implement and what design preference the client wants.

The team defined the updated client description and business problem in this deliverable. The team was also able to make a narrative description of the future inventory management system with the use of the user stories gathered from the client.

The Process on how the user stories were gathered and a list of user story and product backlog were included in this documentation (see **Appendix A and B**).

The team also tested all user stories and provided a transcription of all user stories gathered as a form of an acceptance test criteria which can be seen also in this phase (see **Appendix C**).

Finally, the team was able to use a software in generating a user story map for this deliverable. Our team used Miro software for mapping user stories. The user story map was also included in the appendix (see **Appendix D**).

### 3. DESCRIPTION OF CLIENT

The Team's client, Delhi Kabab, is an Indian restaurant located in Brossard. It is a cozy, sit-down restaurant plating tandoori chicken, spicy curries, and traditional Indian dishes (Delhi Kebab, n.d.). This fine Indian cuisine also serves variety of French food and various delicious desserts. The business is being operated by two partners with 6 employees. This business has been operating for more than 5 years. The restaurant is open everyday from 4:00PM till 9:00PM, they have their own delivery service, and they also are using 3<sup>rd</sup> party delivery services such as Doordash, SkipTheDishes, and Uber Eats (**see Appendix E**).

After having several meetings with our client, the team discovered that they only use Windows OS in the restaurant. The owners can perform basic tasks on the computer. This includes navigating browser, operating system, and using some applications. Since they are used to using this system, they requested that the application must be compatible with Windows OS.

#### **4. BUSINESS PROBLEM**

Delhi Kabab has an inefficient system in monitoring their inventories. The restaurant is using a notepad to list necessary items to be ordered such as ingredients for their food preparations, cleaning items, toilet supplies etc. According to the client, they often lose their list and sometimes forget to update the list of ordered items in their system. In consequence, the restaurant's inventory record often produces inconsistent information. This type of system leads to increase in spoilage and loss if inventories like ingredients are not tracked and monitored properly. The system also takes a lot of time tracking and reviewing their inventory. There is no way to view a comprehensive report easily, such as the ingredient supply level.

Customer satisfaction is sometimes affected by the inconsistencies in their inventory management system. There are times where customers want to order something, but the food is not available because some ingredients are missing. This leaves unsatisfied customers which could affect the bottom line of the business.

When it comes to security, their excel file for tracking inventories is not encrypted or password protected. This can be easily access and modify by anyone within the organization. The owner realized that this type of system can lead to pilferage without him knowing it. Someone can just manipulate the stock level and steal some inventories used in the restaurant.

The team also just recently discovered that they don't have any sort of notification system that would notify them about a particular item that is running low or about to expire. They just check the stockroom and items physically which takes time.

## **5. NARRATIVE DESCRIPTION OF THE FUTURE INFORMATION SYSTEM**

The team was able to determine the customer's preferences for their future information system. For security reasons, the owner wants the application to have a login option. The team determined that there will be two user types or roles using the system. First role is the administrator, who also happens to be the restaurant's owner. The administrator will basically have full access privilege in the system. The second type of user is the guest who can basically just view the list of items in the system. The guest user cannot do any modification within the system. In case a user forgets his/her username, the system will have a username retrieval mechanism that when a user clicks this function then the username will be sent to his/her email. There will also be a forget password feature in case the user forgets his/her password

When it comes to user account management, the administrator may perform CRUD operations such as adding new users, viewing user profiles, deleting user profiles and updating user profiles including password, email, contact, etc. The admin can also perform CRUD operations in managing the items in their inventory such as adding an item that they want to track, display or view list of all items, delete or remove an item from the system, and update an item's description such as expiration date, brand name, stock level, etc.

The system will record all the items they are tracking, and the application will include a filter feature to let users search for an item by category or by name. The user can also sort the items by price. This will give the restaurant a way to quickly monitor and see their items and its stock level.

The system will also monitor expiration date of the items and will have a notification feature. When an item is about to expire in 7 days, it will send a notification to the user that an item is about to expire. In this way the restaurant will minimize their spoilage.

Not only that the system can provide a list of items that the restaurant currently has but the system will also be capable of generating list of expired items and items that are running low in stock.



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## 7. APPENDIX A: PROCESS TO OBTAIN USER STORY

**Preparation for interview:** Before conducting the interview, our team revisited deliverable 3 to do further analysis on our clients existing system and their business problems. After further analyzing their needs, our team formulated some sample user stories that would help the client understand the essence of the meeting and help him to formulate his own user story.

**Meeting place and time:** The meeting took place at the Delhi Kabab's restaurant from 11:00am to 1:00pm on Oct. 9. Interview with the owner was conducted by two team members, Md Ibrahim Ullah and Shaykh Tarafdar.

**Process of Obtaining User Story:** One of our team members led the interview while the other member wrote down key points of the interview. The team showed sample user stories and explained how it will help us in developing their future inventory system. During the interview the team asked the owner all desired features he wants to have in the system. The owner was also able to identify who's going to use the system. The interviewers also proposed some functions and asked the owner's opinion about it. These functions and preferences were later converted into a user story.

**Follow up meeting:** After our interview, the team scheduled another physical meeting with our client from 11:30 am to 12:00 pm on Oct. 16 with our team member Md Ibrahim Ullah. A complete list of user Stories has been presented to the client to verify that this list is fulfilling his expectations and for accuracy. Our client verified the list and approved to proceed.

## 8. APPENDIX B: USER STORY LIST AND PRODUCT BACKLOG

User Story Product Backlog				
ID	As an <type of user/ persona>	I want <goal/ objective> User story	So that <benefit/result/some reason>	Priority
1	Administrator	to have login,	I can login.	High
2	Administrator	to have different access levels,	the system will have additional level of security.	High
3	Administrator	to have a forget password,	I can easily reset it when I forget my password.	High
4	Administrator	to be able to retrieve username,	I can retrieve my username if I forget it.	High
5	Administrator	to be able to add user,	I can create multiple users.	High
6	Administrator	to be able to update password,	I can change my password.	Moderate
7	Administrator	to have a delete user account,	I can manage the users in the system.	High
8	Administrator	to have an update user profile,	I can update user profile if there are any changes.	High
9	Administrator	to be able to add item in the system,	I can track and monitor items.	High
10	Administrator	to be able to delete item,	I can delete an item that is no longer monitored or tracked in our inventory.	High
11	Administrator	to be able to view item being monitored,	I can easily manage our inventory.	High
12	Administrator	to be able to update item,	I can change or update item's description if needed.	High
13	Administrator	to see quantity of each item in the inventory list,	I can easily monitor stock level of our inventory list.	High

14	Administrator	to get notification when a particular item has low stock level,	I would be aware if an item is running low.	High
15	Administrator	to see list of low-level items,	I can easily monitor those items that are running low.	High
16	Administrator	to get notification when a particular item is about to expire,	I can remove them right away from the stockroom or use them right away.	High
17	Administrator	to be able to update expiration date of an item,	I can easily adjust expiration date when a wrong date is recorded.	High
18	Administrator	to view list of expired items,	I can remove them from the stockroom.	High
19	Administrator	to remove expired items from the list,	the system stays up to date.	High
20	Administrator	to sort items by price,	I can quickly see items which are high in price or low in price.	High
21	Administrator	to search item based on their category,	I would have an efficient way for checking an item in a list.	High
22	Administrator	to sort an item by category	I can easily track and monitor our items.	High
23	Administrator	to search an item by name,	I can easily find a particular item by searching its name.	High
24	Administrator	to capture low level items and create items to order,	I won't be needing to write items to order in a paper.	High
25	Administrator	to be able to modify the list of items to order that was generated by the system,	if I want to delete or add something I would be able to manage it.	High
26	Administrator	to be able to print items needed to be ordered,	I don't need to list them down anymore in a piece of paper.	High
27	Administrator	to be able to print list of expired items,	I can use this document in removing those items from our stockroom.	High
28	Administrator	to be able print list of items in the system,	I can use this document for monitoring and tracking purposes.	High
29	Administrator	to view supplier details,	I can check suppliers' information easily.	High

30	Administrator	to be able to logout	when I'm not using the application, nobody can access our inventory management system.	High
31	Administrator	the application to run in a Windows Operating System	I can run it in Delhi Kabab's computer	High
32	Administrator	to be able to manage the accounts	I can add, delete, and update accounts	High
33	Administrator	to be able to search item	I can easily track an item that is being monitored	High
34	Guest	to be able to search item	I can easily track an item that is being monitored	High
35	Guest	to be able to view items being monitored,	I can easily manage our inventory.	High
36	Guest	to see quantity of each item in the inventory list,	I can easily monitor stock level of our inventory list.	High
37	Guest	to get notification when a particular item has low stock level,	I would be aware if an item is running low.	High
38	Guest	to see list of low-level items,	I can easily monitor those items that are running low.	High
39	Guest	to get notification when a particular item is about to expire,	I can remove them right away from the stockroom or use them right away.	High
40	Guest	to view list of expired items,	I can remove them from the stockroom.	High
41	Guest	to remove expired items from the list,	the system stays up to date.	High

42	Guest	to sort items by price,	I can quickly see items which are high in price or low in price.	High
43	Guest	to search items based on their category,	I would have an efficient way for checking an item in a list.	High
44	Guest	to sort an item by category	I can easily track and monitor our items.	High
45	Guest	to search an item by name,	I can easily find a particular item by searching its name.	High

## 9. APPENDIX C: TRANSCRIPTION OF ALL USER STORIES AND ACCEPTANCE TEST CRITERIA

ID	User Stories	Function	Acceptance criteria
1	As an [admin], <b>I want</b> [ to have a login] <b>so that</b> [I'll have a secured application].	Login	<b>Scenario 1:</b> Admin enters the correct login credentials. <b>Given</b> [That the user is an administrator], <b>when</b> [the user enters the correct login credentials], <b>then</b> [The system will give the access to the user].
			<b>Scenario 2:</b> Admin enters the wrong login credentials. <b>Given</b> [That the user is an administrator], <b>when</b> [the user enter the wrong login credentials], <b>then</b> [The system will not give access to the user] <b>And</b> [the system displays an error message "user name or password is incorrect"].
2	As an [admin], <b>I want</b> [to have different access level ] <b>so that</b> [the system will have additional level of security ].	Access level	<b>Scenario 1:</b> Admin can access all features. <b>Given</b> [The administrator enters login credentials], <b>when</b> [the admin access in to the system ], <b>then</b> [The system will give full access to the user ].
			<b>Scenario 2:</b> Guest user can access the limited features. <b>Given</b> [the user enters as a guest], <b>when</b> [the user access the system], <b>then</b> [The system will give limited access to the user ].
3	As an [Admin], <b>I want</b> [to have a forget password ] <b>so that</b> [I can easily reset it when I forget my password ].	Forget Password	<b>Scenario 1:</b> An admin user forgot his password <b>Given</b> [That the user is an administrator], <b>when</b> [the user enters the wrong password], <b>then</b> [the system display a error message] <b>And</b> [The system send a link to the administrator email address upon clicking on forget password option]. <b>And</b> [The user changes his password using this link]. <b>And</b> [the database will remove the old password] <b>And</b> [replace it with the new password] <b>And</b> [display a success message]
			<b>Scenario 2:</b> A guest user tries to access login <b>Given</b> [That the user is a guest user], <b>when</b> [the user enters the wrong password], <b>then</b> [The system sends a link to the administrator email address]. <b>And</b> [ The user can not change the password].

4	<p><b>As an</b> [Admin ], <b>I want</b> [to be able to retrieve username] <b>so that</b> [I can retrieve my username if I forget it].</p>	Forget Username	<p><b>Scenario 1:</b> An admin user forgot his username <b>Given</b> [That the user is an administrator], <b>when</b> [ the user tries to change the username using forget username option], <b>then</b> [the system will sent a link to the user email].</p>
			<p><b>Scenario 2:</b> A guest user try to access login <b>Given that</b> [That the user is a guest user], <b>when</b> [the user tries to change the username using forget username option], <b>then</b> [the system will sent a link to the admin email]. <b>and</b> [the system will not change username]</p>
5	<p><b>As</b> [an admin], <b>I want</b> [to be able to add users] <b>so that</b> [I can create multiple users].</p>	Add Users	<p><b>Scenario 1:</b>An administrator can add another Admin account <b>Given</b> [That the user is an administrator], <b>when</b> [the user log in to the system], <b>then</b>[the admin selects create admin account], <b>and</b> [the system record the information and create another admin account ]. <b>and</b> [a successful message will be displayed].</p>
			<p><b>Scenario 2:</b> A guest user can not add another admin account <b>Given</b> [That the user is a guest user], <b>when</b> [the user tries to add another account], <b>then</b> [the system will display an error message] <b>and</b> [the new user account would not be created]</p>
6	<p><b>As</b> [an admin], <b>I want</b> [to be able to update password] <b>so that</b> [I can change my password ].</p>	Update Password	<p><b>Scenario 1:</b>Admin can update password. <b>Given</b> [That the user is an administrator], <b>when</b> [the admin clicks update password], <b>then</b> [the system remove old password from database]. <b>and</b> [Replace it with new password] <b>and</b> [a success message will be displayed]</p>
			<p><b>Scenario 2:</b> A guest user can change the password. <b>Given</b> [That the user is a guest user], <b>when</b> [the user tries to log in], <b>then</b>[an error message will be displayed] <b>and</b> [the system will not give the access to the user ].</p>



7	<p><b>As</b> [an admin],  <b>I want</b>[to have a delete user account ]  <b>so that</b> [I can manage the users in the system ].</p>	Delete User	<p><b>Scenario 1:</b> An admin can delete an account  <b>Given</b> [That the user an administrator],  <b>when</b> [the admin clicks on, delete user account],  <b>then</b> [the system displays a warning message].  <b>and</b> [the user will be removed from database upon clicking on confirm button].</p>
			<p><b>Scenario 2:</b> An admin can not delete an account.  <b>Given</b> [That the user is an administrator],  <b>when</b> [the admin clicks delete a user account],  <b>then</b> [the system display message to select an account].  <b>and</b> [upon clicking on delete, the system display a warning message]  <b>and</b> [upon confirming, the system display an error message since there is only one account remaining]</p>
8	<p><b>As</b> [an admin],  <b>I want</b> [to have an update user profile]  <b>so that</b> [I can update user profile if there are any changes].</p>	Update User information	<p><b>Scenario 1:</b> A user changed his/her email address  <b>Given</b> [That the user is an administrator],  <b>when</b> [the user changed his/her email address, by clicking on update profile],  <b>then</b> [the system remove old email address from database].  <b>and</b> [replace it with new email address]  <b>and</b> [a success message will be displayed]</p>
			<p><b>Scenario 2:</b> A user changed his/her contact number  <b>Given</b> [That the user is an administrator],  <b>when</b> [the user changed his/her contact number, by clicking on update profile],  <b>then</b> [the system remove old contact number from database].  <b>and</b> [replace it with new contact nubur]  <b>and</b> [a success message will be displayed]</p>
9	<p><b>As</b> [an admin],  <b>I want</b> [to be able to add item in to the system]  <b>so that</b> [ I can track and monitor items]</p>	Add item	<p><b>Scenario 1:</b> Admin adds new item in the inventory list  <b>Given</b> [That the user is an administrator],  <b>when</b> [the admin adds an item],  <b>then</b> [the system added item in to database].  <b>and</b> [an appropriate message will be displayed]</p>
			<p><b>Scenario 2:</b> Admin adds exiting item in the inventory list  <b>Given</b> [That the user is an administrator],  <b>when</b> [the admin add an existing item in to the system],  <b>then</b> [the system display a message "Item Already in the System!"].  <b>and</b> [the item will not be recorded in to the database]</p>

10	<p>As [an admin], <b>I want</b> [to be able to delete item] <b>so that</b> [ I can delete an item that is no longer monitored or tracked in our inventory]</p>	Delete item	<p><b>Scenario 1:</b> Admin deletes item from the inventory list <b>Given</b> [That the user is an administrator], <b>when</b> [the admin deletes an item], <b>then</b> [it will be removed from the database]. <b>and</b> [a success message will be displayed].</p>
			<p><b>Scenario 2:</b> A guest user wants to delete an item in the inventory. <b>Given</b> [that the user is a guest user] <b>when</b> [the user wants to delete an item from the inventory list], <b>then</b> [the system will displayed an error message]. <b>and</b> [the user will be locked out].</p>
11	<p>As [as admin], <b>I want</b> [to be able to view items that are being monitored] <b>so that</b> [ I can easily manage our inventory].</p>	Display items	<p><b>Scenario 1:</b>Admin wants to see items in the inventory list. <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on display items button], <b>then</b> [The system will display a list of items].</p>
			<p><b>Scenario 2:</b> A guest user wants to see items in the inventory list. <b>Given</b> [That the user is a guest user], <b>when</b> [the user clicks on display items buttons], <b>then</b> [the system will display a list of items].</p>
12	<p>As [an admin ], <b>I want</b> [to be able to update item] <b>so that</b> [ I can change or update item's description if needed].</p>	Update item	<p><b>Scenario 1:</b>Admin wants to increase the number of a particular item <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on increase button to change the number of a particular item], <b>then</b> [the system delete the number of particular item from database]. <b>and</b> [replace it with the new number] <b>and</b> [a success message will be displayed].</p>
			<p><b>Scenario 2:</b>Admin wants to decrease the number of a particular item. <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on decrease button to change the number of a particular item], <b>then</b> [the system delete the number of particular item from database]. <b>and</b> [replace it with the new number]. <b>and</b> [a success message will be displayed].</p>

13	<p><b>As</b> [an admin],  <b>I want</b> [to see quantity of each item in the inventory list]  <b>so that</b> [I can easily monitor stock level of our inventory list].</p>	View quantity of each item	<p><b>Scenario 1:</b> An admin can view the number of each item in the inventory list.  <b>Given</b> [That the user is an administrator],  <b>when</b> [the user clicks on view each items button ],  <b>then</b> [the system will display the number of each items].</p> <p><b>Scenario 2:</b> A guest user wants to view the number of each item in the inventory list.  <b>Given</b> [That the user is a guest user],  <b>when</b> [the user clicks on view each items button ],  <b>then</b> [the system will display the number of each items].</p>
14	<p><b>As a</b> [admin],  <b>I want</b> [to get notification when a particular item has low stock level]  <b>so that</b> [I would be aware if an item is running low].</p>	Notification for low level items	<p><b>Scenario 1:</b> Admin will get notification if an item reached in low level threshold.  <b>Given</b> [That the user is an administrator],  <b>when</b> [the user logins],  <b>then</b> [the system will display a message "&lt;Total numbers&gt; of items are running low"].</p> <p><b>Scenario 2:</b> A guest user will get notification if an item reached in low level threshold.  <b>Given</b> [That the user is a guest user],  <b>when</b> [the user enters in to the system],  <b>then</b> [the system will display a message "&lt;Total numbers&gt; of items are running low"].</p>
15	<p><b>As a</b> [admin],  <b>I want</b> [to see list of low level stock items]  <b>so that</b> [I can easily monitor those items that are running low].</p>	Display low level items	<p><b>Scenario 1:</b>Admin wants to see list of low level items  <b>Given</b> [That the user is an administrator],  <b>when</b> [the user clicks low stock items button],  <b>then</b> [the system display a list of all low level items].</p> <p><b>Scenario 2:</b> A guest user wants to see list of low level items  <b>Given</b> [That the user is a guest user],  <b>when</b> [the user clicks on low stock items button],  <b>then</b> [the system display a list of all low level items].</p>

16	<p><b>As a</b> [admin], <b>I want</b> [to get notification when a particular item is about to expire], <b>so that</b> [I can remove them right away from the stockroom or use them right away].</p>	Notification for about to expire items	<p><b>Scenario 1:</b>Admin wants to get notification for the number of items is about to expire. <b>Given</b> [That the user is an administrator], <b>when</b> [admin logins], <b>then</b> [the system will display , "&lt;Total numbers &gt; items will expire in 7 days"].</p> <p><b>Scenario 2:</b> A guest user wants to get notification for the number of items is about to expire. <b>Given</b> [That the user is a guest user], <b>when</b> [the user enters in to the system], <b>then</b> [the system will display , "&lt;Total numbers &gt; items will expire in 7 days"].</p>
17	<p><b>As</b> [an admin ], <b>I want</b> [to be able to update expiration date of an item] <b>so that</b> [ I can easily adjust expiration date when a wrong date is recorded].</p>	Update item expiration	<p><b>Scenario 1:</b> Admin enter a correct expiration date of an item into the system. <b>Given</b> [That the user is an administrator], <b>when</b> [the user click on update expiration button], <b>then</b> [the system give an access to update the expiration date]. <b>and</b> [delete the older expiration date of an item from database] <b>and</b> [replace it with new expiration date] <b>and</b> [a success message will be displayed]</p> <p><b>Scenario 2:</b>Admin enter an erroneous expiration date of an item in to the system. <b>Given</b> [That the user is an administrator], <b>when</b> [the user click on update expiration button], <b>then</b> [the system give an access to update the expiration date]. <b>and</b> [delete the older expiration date of an item from database] <b>and</b> [replace it with new expiration date] <b>and</b> [a success message will be displayed]</p>
18	<p><b>As a</b> [admin], <b>I want</b> [to view list of expired items] <b>so that</b> [I can remove them from the stockroom].</p>	Display List of expired items	<p><b>Scenario 1:</b> Admin wants to view list of expired items. <b>Given</b> [That the user is an administrator], <b>when</b> [The user clicks on list of expired items button], <b>then</b> [the system will display a list of expired items].</p> <p><b>Scenario 2:</b> A guest user wants to view list of expired items <b>Given</b> [That the user is a guest user], <b>when</b> [The user clicks on list of expired items button], <b>then</b> [the system will display a list of expired items].</p>

19	<p>As a [admin], <b>I want</b> [to remove expired items from the list] <b>so that</b> [the system stays up to date]</p>	Remove expired items	<p><b>Scenario 1:</b> Admin wants to remove an expired items from list <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on remove expired items button], <b>then</b> [the system display a message to confirm]. <b>and</b> [clear the list after confirming] <b>and</b> [a success message will be displayed].</p> <p><b>Scenario 2:</b> A guest user wants to remove an expired items from the list. <b>Given</b> [That the user is a guest], <b>when</b> [the user clicks on remove expired items button], <b>then</b> [the system display a message to confirm]. <b>and</b> [clear the list after confirming] <b>and</b> [a success message will be displayed].</p>
20	<p>As a [admin], <b>I want</b> [to sort items by price], <b>so that</b> [I can quickly see items which are high in price or low in price].</p>	Sort Item by price	<p><b>Scenario 1:</b> A user can sort items by price in the system in ascending order. <b>Given</b> [That the user is a administrator], <b>when</b> [the user clicks on sort by price ascending button], <b>then</b> [the system will sorted out items by low to high price].</p> <p><b>Scenario 2:</b> A user can sort items by price in the system in descending order. <b>Given</b> [That the user is a administrator], <b>when</b> [the user clicks on sort by price descending button], <b>then</b> [the system will sorted out items by high to low price].</p>
21	<p>As an [admin], <b>I want</b> [to see items based on their category] <b>so that</b> [I would have an efficient way for checking an item in a list].</p>	Search Items by category	<p><b>Scenario 1:</b> A user wants to see a list of available beverages in their system. <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on beverage under search by category], <b>then</b> [the system will display a list of available beverage items]</p> <p><b>Scenario 2:</b> A user wants to see a list of available ice-cream in their system. <b>Given that</b> [That the user is a guest user], <b>when</b> [the user clicks on ice-cream under search by category], <b>then</b> [the system will display a list of available ice-cream items]</p>

22	<p><b>As an</b> [admin], <b>I want</b> [to sort an item by category] <b>so that</b> [I can easily track and monitor our items].</p>	Sort Item by Category	<p><b>Scenario 1:</b>Admin wants to sort items by category <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on button sort by category], <b>then</b> [the system will display list of items arranged based on their category]</p>
			<p><b>Scenario 2:</b> A guest user wants to sort items by category <b>Given</b> [That the user is a guest user], <b>when</b> [the user clicks on button sort by category], <b>then</b> [the system will display list of items arranged based on their category]</p>
23	<p><b>As an</b> [admin], <b>I want</b> [to search an item by name], <b>so that</b> [I can easily find a particular item by searching its name].</p>	Search Item by name	<p><b>Scenario 1:</b> Admin wants to find flour item in the inventory system list <b>Given</b> [That the user is an administrator], <b>when</b> [the user types flour in the search button], <b>then</b> [the system will display the amount of flour they have, expiration date, brand]</p>
			<p><b>Scenario 2:</b> A guest user wants to find sugar in the inventory system list. <b>Given</b> [That the user is a guest user], <b>when</b> [the user types sugar in the search button], <b>then</b> [the system will display the amount of sugar they have, expiration date, brand]</p>
24	<p><b>As an</b> [admin], <b>I want</b> [ to capture low level items and create items to order] <b>so that</b> [I wont be needing to write items to order in a paper]</p>	Create order list	<p><b>Scenario 1:</b>Admin wants list of items to order <b>Given</b> [That the user is an administrator], <b>when</b> [admin clicks order list button], <b>then</b> [a list of items with low stock level will be generated by the system ].</p>
			<p><b>Scenario 2:</b> A guest user wants list of items to order. <b>Given</b> [That the user is a guest user], <b>when</b> [the user tries to generate list of items to order], <b>then</b> [the system display an error message] <b>and</b> [the user will be locked out].</p>
25	<p><b>As an</b> [admin ], <b>I want</b> [to be able to edit the list of items to order that was generated by the system], <b>so that</b> [if I want to delete or add something I would be able to manage it].</p>	Modify order list	<p><b>Scenario 1:</b>Admin wants to delete an item in the list to order <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on edit order list], <b>then</b> [the system give the user access to edit the order list].</p>
			<p><b>Scenario 1:</b> A guest user wants to delete an item in the list to order. <b>Given</b> [That the user is a guest user], <b>when</b> [the user clicks on edit order list], <b>then</b> [the system display an error message] <b>and</b> [the user will be locked out]</p>

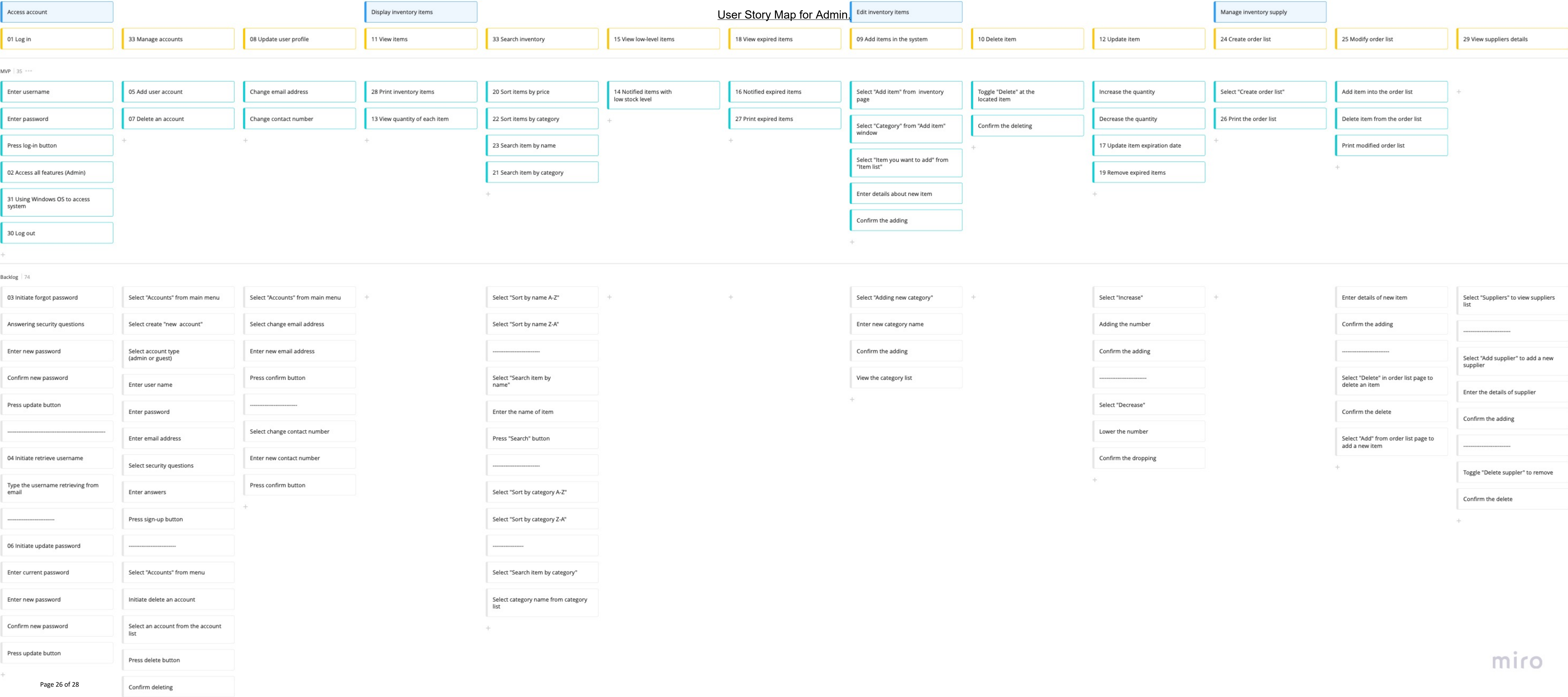
26	As an [admin], <b>I want</b> [to be able to print items needed to be ordered] <b>so that</b> [I don't need to list them down anymore in a piece of paper]	Print order list	<b>Scenario 1:</b> Admin wants to print items to order <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on print items to order button], <b>then</b> [the system will print the list of items to order].
			<b>Scenario 2:</b> A guest user wants to print items to order <b>Given</b> [that the user is a guest user], <b>when</b> [the user tries to print the order list], <b>then</b> [the system will display an error message] <b>and</b> [the user will be locked out].
27	As an [admin], <b>I want</b> [to be able to print list of expired items], <b>so that</b> [I can use this document in removing those item from our stockroom].	Print expired items list	<b>Scenario 1:</b> Admin wants to print expired items in the system <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on print expired items list], <b>then</b> [the system will print the list of expired items].
			<b>Scenario 2:</b> A guest user wants to print list of expired items in the system <b>Given</b> [That the user is a guest user], <b>when</b> [the user tries to print the expired items list], <b>then</b> [the system display an error message] <b>and</b> [the user will be locked out]
28	As an [admin], <b>I want</b> [to be able print list of items] <b>so that</b> [I can use this document for monitoring and tracking purposes]	Print list of items in the inventory	<b>Scenario 1:</b> Admin wants to print list off all items in the system <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on print inventory items], <b>then</b> [the system will print a list of all items].
			<b>Scenario 2:</b> A guest user wants to print list of all items in the system <b>Given</b> [That the user is a guest user], <b>when</b> [the user tries to print the inventory items list], <b>then</b> [the system will display an error message] <b>and</b> [the user will be locked out]
29	As an [Admin], <b>I want</b> [to view supplier details], <b>so that</b> [I can check suppliers information easily]	View Supplier Details	<b>Scenario 1:</b> Admin wants to see the contact information of the supplier <b>Given</b> [That the user is an administrator], <b>when</b> [the user clicks on supplier details button], <b>then</b> [the system will display the supplier information].
			<b>Scenario 2:</b> A guest user wants to see contact information of the supplier. <b>Given</b> [That the user is a guest user], <b>when</b> [the user tries to get supplier details], <b>then</b> [the system will display an error message] <b>and</b> [the user will be locked out].

30	<p><b>As an</b> [Admin], <b>I want</b> [to be able to logout] <b>so that</b> [when I'm not using the application, nobody can access our inventory management system]</p>	logout	<p><b>Scenario 1:</b>Admin wants to logout <b>Given that</b> [admin wants to logout], <b>when</b> [admin logouts], <b>then</b> [admin signs off from an account].</p>
			<p><b>Scenario 2:</b> Non-admin wants to logout <b>Given that</b> [non-admin wants to logout], <b>when</b> [non-admin logouts], <b>then</b> [non-admin signs off from an account].</p>
31	<p><b>As an</b> [Admin], <b>I want</b> [the application to run in a Windows Operating System] <b>so that</b> [I can run it in Delhi Kabab's computer].</p>	Operating System Preference	<p><b>Scenario 1:</b> Using Windows 10 <b>Given</b> [That the user is an administrator], <b>when</b> [the user use the inventory system], <b>then</b> [the system run properly].</p>
			<p><b>Scenario 2:</b> Using Windows 11 <b>Given</b> [That the user is a guest user], <b>when</b> [the user use the inventory system], <b>then</b> [the system run properly].</p>

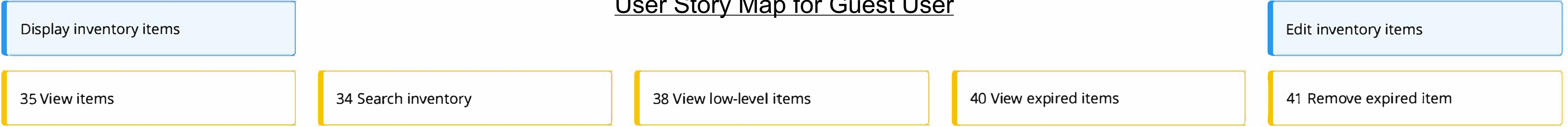


## **10. APPENDIX D: USER STORY MAP**

Our team used Miro in generating our user story map. Miro is an online collaborative platform used by many around the world. Miro allowed us to create, collaborate and communicate in working on this project. Miro is much easier than to use than Trello and it is a free a which is why we opted to use this application.

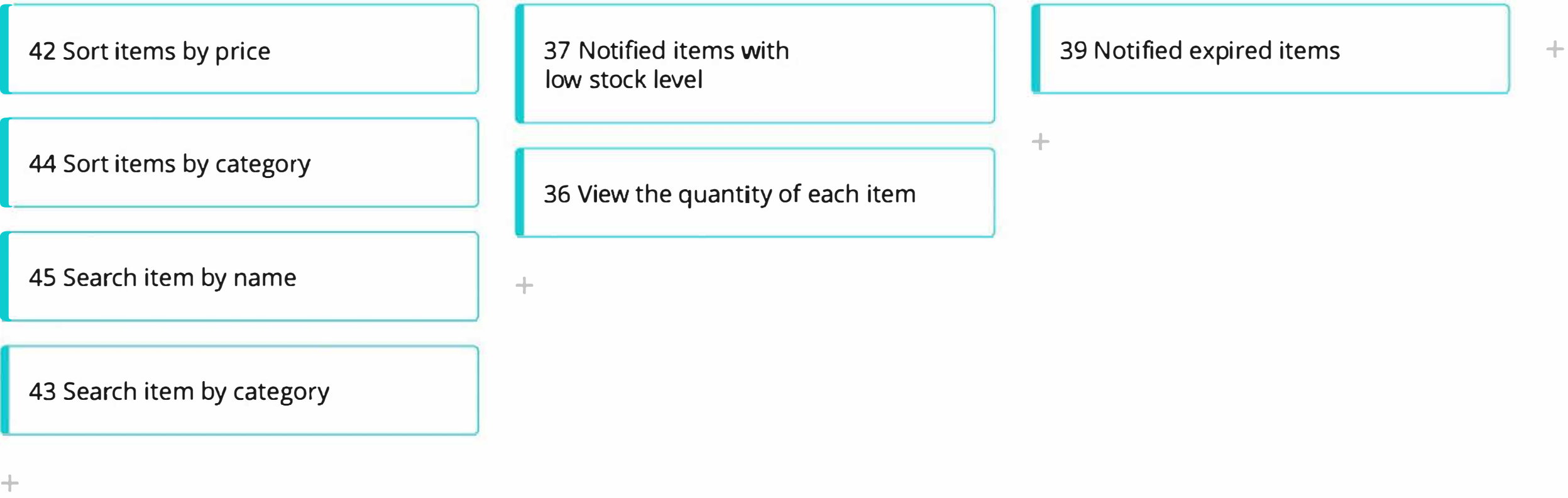


User Story Map for Guest User



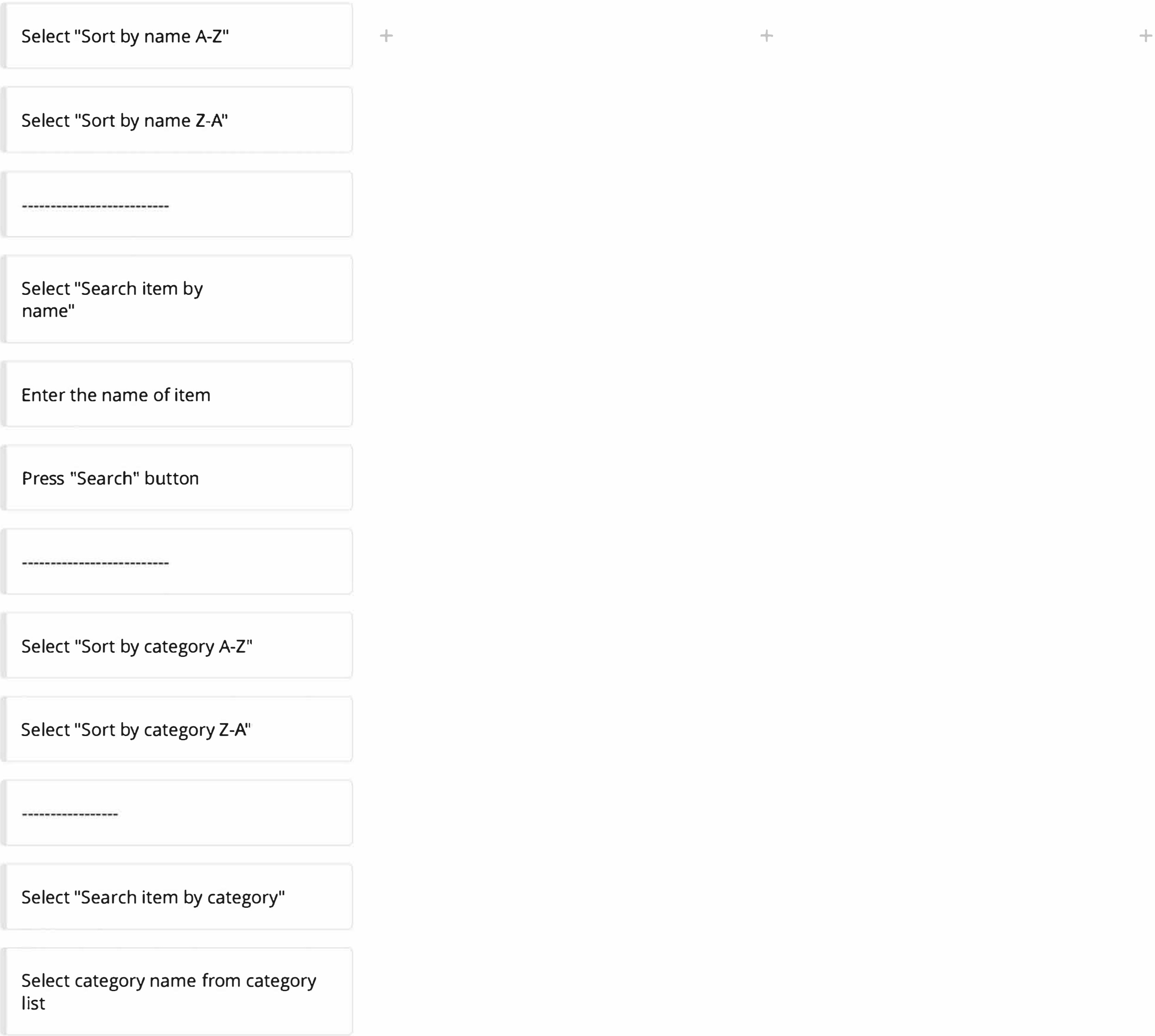
MVP | 7

+



Backlog | 12

+



## 11. APPENDIX E: PHOTOS



Figure 1 Delhi Kabab's Signage



Figure 2 Dining Area



Figure 4 Chicken Curry



Figure 5 Chicken Tikka on Sizzler



Figure 6 Shrimp Bhuna



Figure 3 Restaurant's Map

**Hours:** Monday 4–9p.m.  
Tuesday 4–9p.m.  
Wednesday 4–9p.m.  
Thursday 4–9p.m.  
Friday 4–9p.m.  
Saturday 4–9p.m.  
Sunday 4–9p.m.

[Suggest new hours](#)

**Menu:** [delhikabab.com](http://delhikabab.com)

**Phone:** (450) 678-6535

**Order:** [skipthedishes.com](http://skipthedishes.com), [ubereats.com](http://ubereats.com),  
[doordash.com](http://doordash.com)

Figure 7 Opening Times and Delivery Partners