ID	User Story	Test Description	Test Date	Action	Expected Output	Actual Output	Test Result Pass/Total	Comments
T1	US1	Insert a product data	########	Enter product info(price, description…)	Product data is correctly displayed in the database	New item shown in the database	3 of 3	
T2	US2	Edit a product data	########	Change the price, update the image, re-write the description	Product database is updated with new data	Updated item info is shown in the database	3 of 3	
T3	US3	Delete a product data	########	Delete a product	The target data is deleted	The target item is deleted	3 of 3	
T4	US4	Sort the data	########	Select Classification = Food	all food items are display	all food items are display	3 of 3	This project will need to be retested in the future. We should have a drop-down list for users to select categories instead of manually typing
T5	US16	Evaluate suppliers	########	Select supplier which id=1	all info of supplier is shown	all info of supplier is shown	3 of 3	
T6	US17	Collect supplier's info	########	Add a new supplier to the DBS	a new supplier info is added	shown the info of the new supplier	3 of 3	
T7	US31	Online realtime Database	########	Add a new item data from device A, and check the update from device B	the new item is shown on device B	the new item is shown on device B	3 of 3	
T8	US5	Visualize data		Renders the output page of the imported database combined with the graph	For example, a pie chart (the proportion of each product, the quantity is clearly marked)			
T9	US6	Set up cargo replenishment reminders		Alerts are sent when the product falls below the set quantity	When the number of products is less than or equal to 10, the out-of-stock status will be displayed			
T10	US7	Intelligent analysis of sales status		After inputting data, intelligently analyze the sales method and make decisions based on sales records.	AI gives a suggestion			
T11	US8	Scan barcode	########	Barcode recognition by camera	Output the data contained in the barcode	The barcode numbers	8 of 10	Need HD webcam for better result
T12	US9	Scan product	########	Identify and add items via camera	Add the item to the bill	The item INFO is automatically filled into the form	10 of 15	Some item is not found in the database
T13	US10	After stopping adding goods, produce a total price		Calculate the sum of the total price after multiplying the unit price and quantity of each item	Total amount owed=Specific amount (40 $)			
T14	US11	Navigate to the record the payment		Load the payment page, confirm the payment and display the payment	Load paid page			
T15	US12	Generate customer list and scroll through the form	2022/12/5	Navigate to the customer list, and click to view the details of each line of customer history	Each customer history record in the list can be clicked. Click a customer history record randomly to navigate to the history details page	A list of customers	3 of 3	
T16	US13	Generate & print the invoice		Input orders' detail	Generate a receipt for the orders			
T17	US14	Provide the name list of suppliers	2022/12/5	Navigate to the supplier list and display some basic information. For example, name, main industry, etc. Users can click the supplier to obtain more details.	View the name of each supplier, and click a supplier to view its details.			
T18	US15	regular template		When import new data, provide a general template(including name, price, quantity, type, saving time, etc.)	This interface can generate a standard template			
T19	US16	Filter index		Set suppliers ID, evaluate and so on. (Used to filter user needs)	This interface displays some public data of the supplier on business cooperation, such as performance			
T30	US17	Upload, update data		Upload local data and update it to the database	After the local data is uploaded, the database is updated and new data information can be viewed	New data is shown	3 of 3	
T21	US18	Forecast inventory price		Obtain a specific price according to the inventory quantity or mathematical function model	Output an estimated price			
T22	US19	Total forecast sales		Based on the current time or quarter, the sales volume in this period can be estimated (through the previous data model)	Output an estimated quantity			
T23	US20	Number of products recommended for sale		(Based on previous data or mathematical model) speculate the sales quantity of the goods to maximise the benefits within a limited time	Output an estimated range			
T24	US21	Logistics transportation status management		Navigate to the logistics of the item, provide the date and location, and predict when it will arrive	The status of the article (shipped or not shipped), information about the goods, date, and location	The UPS shipment INFO is shown	4 of 5	only works for UPS shipments
T25	US22	Logistics arrival management		When the goods are about to arrive, the recipient will receive a prompt from the app	Pop up window with prompt (SMS or email or other methods)	A message is shown	5 of 5	
T26	US23	Logistics History		Navigate to the logistics history page. Each history is a separate information, record date, recipient, sender, bill of lading number, goods information, etc	The latest historical data are arranged from top to bottom, and you can view the details of each historical data	A list of all the shipments	3 of 3	
T27	US24	Logistics History Filter Settings		This setting has specific filtering information, such as keywords, dates, logistics, etc	After selecting filtering information, jump to the page with relevant data	Filtered data is displayed	3 of 3	
T28	US25	Double layer security verification		Pop up authentication protection pop-up settings	The user is required to enter the verification code (version 1) or the verification code sent to the mobile phone or email (version 2)			
T29	US26	Cloud data security management		When viewing the uploaded data, you need to set a password (including numbers, letters, etc.) for the first time, and the password can be changed. You need to enter the password every time you view the data	Enter the password, or change the password from an existing password. Assumption (If the input error exceeds 3 times, it will be locked)			
T30	US27	User account password setting		Set the login interface. The data of each user is not interconnected. Enter the account password and log in to your own account	Login interface, account, password, forgotten password, login button. Can log in after input			