Use cases

	Use Case	Description
R05	UC-1: Different payment options	The cash register system will be able to accept and provide different payments options such cash, Debit, and credit.
R-04	UC-2: Bar Code scanning	If the system is unable to scan the barcode of the product then it will notify the cashier by displaying " unable to scan the product" and it will then give the cashier an option to insert the code manually using the keyboard.
R-09	UC-3:Cash Register Database	The cash register requires a database in order to function; all the tasks being carried out with the cash register requires a local database; used as a reference to the products being purchased. The database should provide sufficient information about any product owned in the business.
R-06	UC-4: Generates Receipt	After a purchase is made, the cash register will be able to print out a summary of the customers time spent in the store, this serves as a proof of purchases made and can be used in the future to make returns
R-02 R-07	UC-5: Purchase Cancellation	The cashier is able to cancel both full purchasing sessions and individual products. Canceling full sessions will nullify all items scanned while canceling individual products will only cancel that one product.

Quality Attributes for the application

ID	Quality Attribute	Scenario
	Speedy response time	The cash register should be able to complete tasks in good time; allowing

		the customer to cash out relatively quickly and makes business easier.
	Resourceful	The cash register should be able to make use of its resources such as the local database of products or the barcode scanner.
	Accessibility	The cash register should be able to connect to an offline POS system allowing offline transactions in case the online POS system(tap or interac) is malfunctioning.
	Stability	The cash register shouldn't take much time to load, it shouldn't take more than 2 seconds to load ad it should be stable.
	Versatility	The cash register is versatile as it has many different functions. It is able to scan products, identify products, and so much more.

System Constraints for the application

ID	Constraint
CON-1	It is not possible to change the hardware platforms. Planned for the future.
CON-2	It is not possible for the register to identify the product if the barcode is damaged
CON-3	The cash register would not be able to recover information fast, if it is deleted.