## **Inventory Control System**

## **Use Case Specification**

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Use Cas	se Name	Deliver Stock
Description		Insert warehouse outbound records
Data Involved		Batch No., Date, Goods Name, Quantity, Unit Price
Precond	lition	Login
Flow	Basic Path	(1) User input the data needed
of		(2)Valid the quantity is not greater than in database, otherwise
Events		go to E1
		(3)Update database
		(4) Inform user operation is done
		(5)Judge whether the current quantity in database after this
		operation is less than the warning of depletion, if it is release the
		warn of depletion.
	Alternate	Null
	Path	
	Exceptional	E1
	Path	(1) Inform user the input is wrong, asked for re-input
		(2) go the Basic Path (2)
Use Ca	se Name	Issue Stock-up Request
Descrip		Warn users the depletion of goods and request for stock up
Data Inv		Batch No., Goods Name, Quantity,
Precond		UC[Warehouse outbound]->Basic Path(5)
Flow	Basic Path	Use messageBox to release the warn of Depletion with the
of		goods info and issue Stock-up Requset
Events	Alternate	Null
	Path	
	Exceptional	Null.
11 0-	Path	Out of the Charles
	se Name	Order Stock
Descript		Insert warehouse inbound records
Data Inv	/oivea	Batch No., Date, Goods Name, Quantity, Unit Price,
Danasa	I'.4'	Expired Date
Precond		Login (1) Hear input the data peopled
Flow	Basic Path	(1) User input the data needed
of Events		(2) Valid the Quantity is not less than zero otherwise go to E1
Events		(3)Update database
		(4) Inform user operation is done

	Alternate	Null.
	Path	1.14
	Exceptional	E1
	Path	(1) Inform user the input is wrong, asked for re-input
		(2) go the Basic Path (2)
Use Case Name		View Goods Info
Description		Select all the records from database and display them to user
Data Involved		Batch No., Date, Goods Name, Quantity, Unit Price,
		Expired Date
Precondition		Login
Flow	Basic Path	(1) Select all the records from database after login successfully
of		(2) Bind the widget with the data
Events	Alternate	Null
	Path	
	Exceptional	Null.
	Path	
Use Cas	se Name	Add new Goods
Descript	tion	Insert a new goods record into database
Data Inv	volved	Goods Name, Depletion Threhold, Category Name
Precond	lition	Login
Flow	Basic Path	(1) User input the data needed
of		(2)Update database
Events		(3) Inform user operation is done
	Alternate	Null.
	Path	
	Exceptional	Null.
	Path	
Use Cas	se Name	Set Expiry Time
Descript	tion	Set the expiry time for goods
Data Inv	olved	Expiry Time
Precond	lition	UC[Warehouse Inbound]->Basic Path(1)
Flow	Basic Path	(1) valid the expiry time inputted is not less than the current
of		date, otherwise go to E1
Events	Alternate	Null.
	Path	
	Exceptional	E1
	Path	(1) Inform user the input is wrong, asked for re-input
		(2) go the Basic Path (2)
Use Case Name		Select Category
Description		Set Category name when it is needed
Data Involved		Category Name
Precondition		Null.
Flow	Basic Path	(1) Select the category info from database, and bind them into

of		the combo box
Events		(2) User choose the category name they want
2101110		(3) Convert the selected category name into its corresponding
		ID
	Alternate	Null
	Path	Null
	Exceptional	Null.
	Path	ivuii.
Use Cas	se Name	Set Warning Line of Depletion
Description		Set warning line of depletion when add a new goods
Data Involved		Threhold,
Precondition		User is adding a new goods
Flow	Basic Path	(1) valid the Threhold input is not less than the zero, otherwise
of	Baolo I dall	go to E1
Events	Alternate	Null.
	Path	
	Exceptional	E1
	Path	(1) Inform user the input is wrong, asked for re-input
		(2) go the Basic Path (2)
Use Cas	se Name	Set Warning Line of Expiry
Descript	tion	Set warning line of expiry when add a new goods
Data Inv	rolved	Days before expiry
Precond	lition	User is adding a new goods
Flow	Basic Path	(1) valid the days input is not less than the zero, otherwise go to
of		E1
Events	Alternate	Null.
	Path	
	Exceptional	E1
	Path	(1) Inform user the input is wrong, asked for re-input
		(2) go the Basic Path (2)
Use Cas	se Name	Maintain Goods Category Info
Descript	tion	Updates the goods Info when necessary
Data Inv	rolved	
Precond	lition	Null.
Flow	Basic Path	(1) Updates the data in the UI.
of		(2) Valid the data input is available, otherwise go to E1
Events		(3) Update database
		(4)Refresh the UI
	Alternate	Null.
	Path	
	Exceptional Path	E1
		(1) Inform user the input is wrong, asked for re-input
		(2) go the Basic Path (2)

Use Case Name		Analyse Statistics
Description		Select the sum of quantity and money according to the
		requirement of user
Data Involved		Start Date, End Date, Category Name, Goods Name
Precond		Login as the role of Manager
Flow	Basic Path	(1) user choose the date from UI
of		(2) Select the required record from database
Events		(3) Display the data on UI
	Alternate	Null.
	Path	TVaii.
	Exceptional	Null.
	Path	TVUII.
Use Cas	se Name	Maintain Grocer Info
Descript		Updates the grocer Info when necessary
Data Inv		
Precond		Login as the role of Manager
Flow	Basic Path	(1) Updates the data in the UI.
of	24010 1 4411	(2) Valid the data input is available, otherwise go to E1
Events		(3) Update database
		(4) Refresh the UI
	Alternate	Null.
	Path	TVUII.
	Exceptional	E1
	Path	(1) Inform user the input is wrong, asked for re-input
		(2) go the Basic Path (2)
Use Cas	se Name	Warn of Impending Expiry
Descript	tion	Release the warning of impending expiry to User
Data Inv		Batch No., Goods Name
Precond	lition	Current date is greater than the expiry time of some goods
		subtract its warning line of expiry
Flow	Basic Path	(1) System automatically select the goods info which is in the
of		precondition of this case
Events		(2) Release the warning of impending expiry to User
	Alternate	Null.
	Path	
	Exceptional	Null.
	Path	
Use Case Name		Maintain Database
Description		Maintain the database info
Data Involved		Null.
Precondition		Login as the role of Manager or Administer
Flow	Basic Path	(1) Choose Backup or Restore
of	Alternate	Null.

Events	Path	
	Exceptional	Null.
	Path	
Use Case Name		Backup Database
Description		Backup the database
Data Involved		Null.
Precondition		Login as the role of Manager or Administer
Flow	Basic Path	(1) Start to backup database
of		(2) If unsuccessful, go to E1
Events		(3) Inform user operation is done
	Alternate	Null.
	Path	
	Exceptional	E1
	Path	(1) Display the exceptional info
		(2) Roll back
Use Cas	se Name	(2) Roll back  Restore Database
Use Cas Descript		( )
	tion	Restore Database
Descript	tion volved	Restore Database Restore the database
Descript Data Inv	tion volved	Restore Database Restore the database Backup Date
Descript Data Inv	tion volved lition	Restore Database Restore the database Backup Date Login as the role of Manager or Administer
Description Data Investment Precond	tion volved lition	Restore Database  Restore the database  Backup Date  Login as the role of Manager or Administer  (1) Start to restore database into the previous status according
Description Data Investment Precond Flow of	tion volved lition	Restore Database  Restore the database  Backup Date  Login as the role of Manager or Administer  (1) Start to restore database into the previous status according to the selected backup date
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Description Data Investment Precond Flow of	tion volved lition Basic Path	Restore Database  Restore the database  Backup Date  Login as the role of Manager or Administer  (1) Start to restore database into the previous status according to the selected backup date  (2) If unsuccessful, go to E1  (3) Inform user operation is done
Description Data Investment Precond Flow of	dition  Volved  Sition  Basic Path  Alternate	Restore Database  Restore the database  Backup Date  Login as the role of Manager or Administer  (1) Start to restore database into the previous status according to the selected backup date  (2) If unsuccessful, go to E1  (3) Inform user operation is done
Description Data Investment Precond Flow of	tion volved lition Basic Path  Alternate Path	Restore Database  Restore the database  Backup Date  Login as the role of Manager or Administer  (1) Start to restore database into the previous status according to the selected backup date  (2) If unsuccessful, go to E1  (3) Inform user operation is done  Null.