

1 AMENDMENTS TO REQUIREMENTS

1.1 Use Case Change Log

Use Case Number	Use Case Name	Change Description
B0200 <i>Check glossary</i>	Record Sale	Combined use cases B0200 and B0400 into one single use case.
A0500	Maintain Employees	Inserted a new use case that maintains the employees of the gallery.
A0600	Assign Artist to agent	Inserted a new use case that assigns an artist to an agent.
A0800	Search Artist of an agent	Inserted a new query on searching artist of a particular agent.
A0900	View a list of agents	Inserted a new query that shows the report of all the galleries agents
A1000	Search artwork of an artist	Inserted a new query that searches the artwork of a particular artist
A1100 <i>A0100?</i>	View list of artists	Inserted a new query that shows a report of all the artists in the gallery

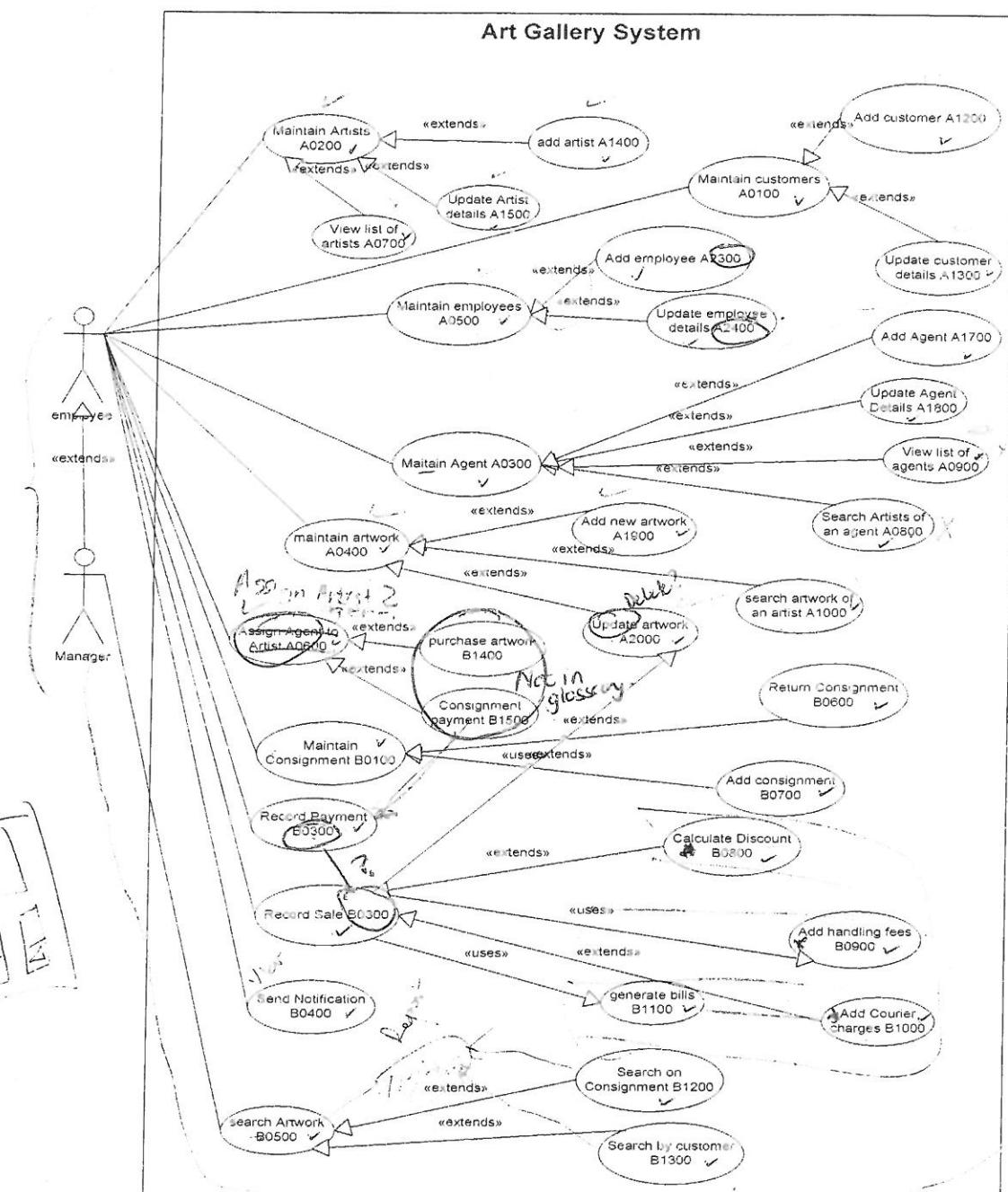
1.2 Data Model Change Log

Entity	Change Description
Artwork	Removing the selling amount attribute because it is not a fixed amount.
Agent	Removing the attribute artistNum because an agent can have more than one artist.
Artist	Removing the attribute numOfPainting. An artist can have a painting or craftwork at the gallery. Remove agentNum because some artists may not have agents.
Calculate discount	This is not an entity but forms part of an entity where a sale is recorded. So it was not suppose to be included as an entity.
Sales	This is an entity that was not included in the requirements document, where sales are recorded, discounts are calculated, bills generated, courier charges and handling fees are taken into account.
Payments	This is an entity that was not included in the requirements

	document. Payments can be either cash or credit.
Send Notifications	This is an entity that was not included in the requirements document. In which the gallery notifies the customers about the latest discounts on artworks.

2 FUNCTIONAL REQUIREMENTS

2.1 Analysis Use Case Model



* Having your views only as <extends> UIC's in Maintain-type use cases takes the freedom of choice away from the user. This means, if a user wants to view a report, the user first needs to select a Maintain Option & only then can the user run the report.

2.2 Updated Use Case Glossary

Package Id: A		Package Name: Maintenance
Team Member Responsible: Lazola Joni		
Use Case Id	Use Case Name	Actors
A0100 ✓	Maintain Customer	Employees
A0200 ✓✓	Maintain Artist	Employees
A0300 ✓✓	Maintain Agent	Employees
A0400 ✓✓	Maintain Artwork	Employees
A0500 ✓	Maintain Employees Action	Manager Not according to your UC model.
A0600 ✓✓	Sign an artist to an agent Check name on UC model	Employees
A0700 ✓	View list of artists This is a report. Same as A100?	Employees
A1200 0100	Add Customer	Employees
A1300 0120	Update Customer	Employees
A1400 0200	Add Artist	Employees
A1500 0220	Update Artist details	Employees
A1700 0300	Add agent	Employees
A1800 0320	Update Agent details	Employees
A1900 0400	Add new artwork	Employees
A2000 0420	Delete Artwork Update?	Employee
A2100 0500	Add Employee	Manager *

See pg 7 ab Inception phase guidelines re Numbering of UC's! Page 6 of 40

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A2200 OS20	✓ ✓	Update Employee details	Manager *

Queries/Reports

A0800	✓ ✓	Search artists of an agent	Employees
A0900	✓ ✓	View list of agents	Employees
A1000	✓ ✓	Search artwork of an artist	Employees
A1100 Not on diagram	✓ ✓	View list of artists Same as A0700 ?	Employees

Package Id: B	Package Name: Sales	
Use Case Id	Use Case Name	
Use Case Id	Use Case Name	Actors
100	Maintain Consignment	Employee
200	Record Payment	Employee
300	Record Sale	Employee
400	Send Notification	Employee
500	Return Consignment	Employee
600	Add Consignment	Employee
700	Calculate Discount	Employee
800	Add Handling Fees	Employee

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1000	✓ Add Courier Charges	Employee
1100	✓ Generate Bills	Employee
1200 0510	✓ Search on Consignment	Employee
1300 0520	✓ Search by customer	Employee

Queries/Reports

30500	✓ Search Artwork	Employee
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3 Detailed Analysis Use Case Narratives

3.1 Package A: Maintenance

Author:	Lazola Joni	
Use-Case Id:	A0100	Use Case Type <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Use-Case Name:	Maintain Customer	✓
Date	14 April 2009	
Primary Business Actor	Employees	
Other Participating Actors		
Description	Maintains the customers of the gallery, customers can be added into the system and their details can be updated as well.	This is done in other UC's, not in this one. That is what you have modelled as extended in your use case model.
Precondition	There is none or many customers registered in the gallery	
Trigger	This use case is initiated when the employee selects the option to maintain customer.	
Typical Course of Events	Actor Action Selects	System Response
	1. An employee requests the option to maintain a customer.	2. The system responds by giving the employee the option of adding a customer, or updating its details.
eg.	Actor Action? Add	Add invokes A1200
Alternate Courses	Actor Action	System Response
	Alternate choices? — Update	Adding Updating • Invokes A1300
Conclusion	This use case concludes when a customer is added or the details of an existing customer are updated. This is done by separate UC's.	
Post condition	The customer is maintained by the employee { No -- the customer maintenance option is only selected. Based on what the user selects then, another UC is invoked.	
Assumptions		

All other maintain UC's have the same problems.

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All ~~extended & causes~~ UC's should be invoked from the relevant parent UC - this is not indicated in any of your narratives.

Author: Lazola Joni		Use Case Type <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Use-Case Id: A0200		
Use-Case Name: Maintain Artist ✓		
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	Maintains the artists of the gallery, artists can be added, their details can be updated and an artist can be deleted...	Not done in this uc. Done in A1400 & A1500
Precondition	There is none or many artist registered with the gallery.	
Trigger	This use case is initiated when the employee selects the option to maintain artist.	
Typical Course of Events	Actor Action <i>Selects</i>	System Response
	1. An employee requests the option to maintain an artist.	2. The system responds by giving the employee the option of adding a artist, updating its details or deleting an artist.
Alternate Courses	Actor Action	System Response
Conclusion	This use case concludes when the employee adds, update details of an artist or delete an artist.	
Post condition	The artist is maintained by the employee	
Assumptions		

Author: Lazola Joni	Use Case Type <input type="checkbox"/> Business Requirements
Use-Case Id: A0300	
Use-Case Name: Maintain Agent ✓	

Date	14 April 2009	<input checked="" type="checkbox"/> Analysis
Primary Business Actor	Employee	
Other participating actors		
Description	Maintains the agents that have artists in the gallery. [The agent's details are added and also updated regularly. A query can be made in searching for an artist's of a particular agent.]	
Precondition	The individual maintaining the agents must be an employee of the art gallery.	
Trigger	This use case is initiated when the employee selects the option to maintain agents.	
Typical Course of Events	<p>Actor Action Selects</p> <ol style="list-style-type: none"> An employee request the option to maintain agent 	<p>System Response</p> <ol style="list-style-type: none"> The system responds by giving the employee four options of either adding a new agent, updating details of an agent, or searching artists of an agent.
Alternate Courses		
Conclusion	The use case concludes when the employee has maintained the agent's details.	
Post Condition	The agent is maintained.	
Assumptions		

Author: Lazola Joni		
Use-Case Id:	A0400	Use Case Type
Use-Case Name:	Maintain Artwork	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date	14 April 2009	
Primary Business Actor	Employee	

er ticipating ors		
scription	Maintains the artwork in the gallery. A new artwork can be added, can be viewed and also deleted in the system if a particular artwork has been purchased.	
condition	The individual maintaining the artwork must be an employee.	
gger	This use case is initiated when the employee selects the option of maintaining the artwork.	
actical Course Events	Actor Action	System Response
	1. The employee ^{selects} requests the option of maintaining artwork.	2. The system responds by giving the employee the options of adding new artwork, updating artwork, or viewing artworks of an artist.
ernate rises	Actor Action	System Response
Inclusion	This use case concludes when artwork is maintained.	
st condition	The artwork is maintained.	
sumptions		

Author: Lazola Joni		
-Case Id:	A0500	Use Case Type
-Case Name:	Maintain Employees	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date:	14 April 2009	
Primary Business Actor	Manager	
Other Participating Actors		

Description	This use case maintains the employees. This use case is only used by the manager. [Here in this use case, an employee can be added, the details of an employee can be updated and an employee can be deleted in case of that particular employee being fired by the gallery.]	
Precondition	The individual maintaining the employee should only be the manager.	
Trigger	This use case is initiated when the manager selects the option to maintain the employees.	
Typical Course of Events	<p>Actor Action</p> <p style="text-align: center;">selects</p> <ol style="list-style-type: none"> The manager requests the option of maintaining employees. 	<p>System Response</p> <ol style="list-style-type: none"> The system responds by giving the manager the option of adding an employee, updating its details or deleting an employee.
Alternate Courses		
Conclusion	This use case concludes when the employee is maintained.	
Post condition	Maintain employee details.	
Assumptions		

Author: Lazola Joni	
Use-Case Id:	A0600
Use-Case Name:	Sign an artist to an agent
Date	14 April 2009
Primary Business Actor	Employee
Other Participating Actors	
Description	This is a use case where an artist is assigned to an agent.
Precondition	The artist has no agent. <i>what about artist wanting to change to a new agent?</i>
Trigger	This is initiated when an employee selects the option of assigning an artist to an agent.

Typical Course Events	Actor Action	System Response
	1. The employee <u>selects</u> the option of assigning an artist to an agent.	2. The system responds by prompting the user to <u>enter</u> <u>select</u> (from a list) the artist number and the agent's number.
	3. The employee provides both the artist number and the agent's number.	4. The details of an artist are displayed and can also be updated. <u>What about agent info?</u>
	5. The employee adds the name of the agent in the artist details and clicks on the save button.	No confirmation?
Alternate Courses	Actor Action	System Response
		Alt-Step 4: If the artist already has an agent, notify the employee that the user cannot have more than one agent.
Conclusion	This use case concludes when an artist is assigned to the agent.	
Post Condition	The artist is assigned to an agent.	
Assumptions		

Author: Lazola Joni	
Use-Case Id:	A0700
Use-Case Name:	View list of Artists
Date	14 April 2009
Primary Business Actor	Employee
Other Participating Actors	
Description	This is a report where a list of all artists in the gallery is viewed.
Precondition	The individual to view the artist list must be an employee.
Trigger	This use case is initiated when the employee selects the option to view artist list. <u>only available from Maintain artist? Not efficient.</u>

Typical Course of Events	Actor Action	System Response
	Selects	
	1. The employee requests the option to view artist list.	2. The system responds by displaying all artists in the gallery system.
Alternate Courses	Actor Action	System Response
Conclusion	This use case is concluded when the list of artist is displayed on the screen.	
Post condition	The list of artist is displayed.	
Assumptions		

No other options?
No criteria?

Option to print available?

Author: Lazola Joni		
Use-Case Id:	A0800	Use Case Type
Use-Case Name:	Search artists of an agent	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date	14 April 2009	
Primary Business Actor	Employees	
Other Participating Actors		
Description	This use case describes the event where the employee searches for artists of a particular agent.	
Precondition	The individual searching must be an employee.	
Trigger	This use case is initiated when the employee selects the option to maintain agent, and then search artists.	Not very efficient, user simply to search, without maintaining anything?
Typical Course of Events	Actor Action	System Response
	Selects	
	1. The employee requests the option of searching for artists of an agent.	2. The system responds by prompting the employee to enter the agent's number.
Select a term a list	3. The employee then provides the agent's number.	4. The system retrieves all the artists under that agent's number and those artists are displayed on the screen.

Also display
some info of
the Agent.

	Actor Action	System Response
Alternate Courses		Alt-Step 4: The system responds by displaying the message: "There is no agent found" when the employee entered a wrong agent's number.
Conclusion	This use case is concluded when the employee views the artist of an agent are on the screen.	
Post condition	Display the artist of an agent.	
Assumptions		

What should select from a list not be required to remember a number.
What if there are no artists assigned to an agent?

Author: Lazola Joni		
Use-Case Id:	A0900	Use Case Type
Use-Case Name:	View list of agents	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	This use case describes an event where list of agent is viewed.	
Precondition	The individual to view the list must be the employee.	
Trigger	This use case is initiated when the employee selects the option of viewing the list of agents. <i>From which menu option? Or available from main menu? Not according to your use case model.</i>	
Typical Course of Events	Actor Action	System Response
	1. The employee <i>requests</i> the option of viewing the list of agents.	2. The system responds by displaying all the agents used by artists in the gallery.
Alternate Courses	Actor Action	System Response
		Alt-Step 2: The system responds by displaying the message: "There are no agents found in the list".

Conclusion	This use case is concluded when the employee views the list of agents on the screen.
Post condition	The list of agents is displayed.
Assumptions	

Author: Lazola Joni		
Use-Case Id: A1000		Use Case Type <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Use-Case Name: Search artwork of an artist ✓		
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	This use case describes an event where an employee searches for artworks of an artist.	
Precondition	The individual must be an employee. Which individual?	
Trigger	This use case is initiated when the employee selects the option to search for artworks of an artist.	
Typical Course of Events	Actor Action	System Response
	1. The employee requests the option of searching for artworks of an artist.	2. The system responds by prompting the employee to enter the artist name and number.
	3. The employee then provides the artist name and number.	4. The system retrieves all the artworks of that particular artist.
Alternate Courses	Actor Action	System Response
	Alt-Step 3: The employee re-enter the artist number. Why?	Alt-Step 4: The system responds by displaying the message that no artwork was found for that artist.

Conclusion	This use case is concluded when the employee views the artworks of an artist.
Post condition	The artworks of an artist are viewed.
Assumptions	

Author: Lazola Joni		
Use-Case Id: A1100 <i>Same as A0700?</i>	Use Case Type <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis	
Use-Case Name: View list of artists <i>Not in UL model</i>		
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	This use case describes an event where an employee does a report on the list of artists.	
Precondition	The employee must be <i>l</i> to the system.	
Trigger	This use case is initiated when the employee selects an option to view the list of artists.	
Typical Course of Events	Actor Action	System Response
	1. The employee requests the option of viewing the list of artists.	2. The system responds by displaying the list of artists on the screen.
Alternate Courses	Actor Action	System Response
Conclusion	This use case is concluded when the employee is able to view the list of all artists in the system.	
Post condition	The list of the artists is displayed o the screen.	
Assumptions		

Author: Lazola Joni

Author: Lazola Joni		
Case Id:	A1300	Use Case Type <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Case Name:	Update Customer	
Date:	14 April 2009	
Mary Business Actor	Employee	
Other Participating Actors		
Description	This use case describes an event where the details of a customer are updated. This could include a change of postal address, change of contact numbers, etc.	
Condition	The customer exists in the system.	
Trigger	This use case is initiated after the employee has selected the option of maintaining a customer and then selects the option of updating the details of a customer.	
Physical Course Events	Actor Action	System Response
	1. The employee Selects requests the option of updating the details of a customer.	2. The system responds by prompting the employee to enter the customer number and name. Select from a list.
	3. The employee then Selects provides the customer number and name.	4. The system retrieves all the information of the customer, and they are also editable. Displays a form where all info is available for edit (except cust. no.)
	5. The employee then edits the details and then clicks save.	6. The details of the customer are then captured and then saved.
Alternate Courses	Actor Action	System Response
	Alt-step 3: The employee re-enters the customer number and name again.	Alt-Step 4: The system responds with the message reading: "There is no such customer number, please enter the customer number again".
Inclusion	This use case is concluded when the details of a customer are updated and saved in to the system.	

Post condition	Details of a customer are updated.
Assumptions	

Author: Lazola Joni		
Use-Case Id: A1500	A1500?	
Use-Case Name:	Add Artist	
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	This use case describes an event where a new artist is added to the art gallery system.	
Precondition	The artist does not exist in the system.	
Trigger	This use case is initiated after the employee has selected the option of maintaining artists, and then the selects the option of adding an artist.	
Typical Course of Events	Actor Action	System Response
	1. The employee <u>requests</u> the option of adding an artist.	2. The system responds by <u>prompting</u> the employee to enter the details of the new artist.
	3. The employee then <u>enters</u> <u>provides</u> the details of the new artist <u>including the artist number</u> which is unique. Do you type in the artist no?	4. The system then captures the details of the new artist and then saves them.
		Beams so.
Alternate Courses	Actor Action	System Response
	Alt-Step 3: The employee re-enters the artist number.	Alt-Step 4: The system responds with the message: the artist number entered exists, so choose another one.

Displaying a form to enter new artist detail.

What about letting the system generate a unique artistno?

Conclusion	This use case is concluded when the new artist is added to the system.
Post condition	The artist is added.
Assumptions	

Author: Lazola Joni

Use-Case Id: A1600 A 1500?	Use Case Type	
Use-Case Name: Update Artist Details	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis	
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	This use case describes an event where the details of an artist are updated. This could include a change of postal address, change of contact numbers, etc.	
Precondition	The artist exists in the system.	
Trigger	This use case is initiated after the employee has selected the option of maintaining an artist and then selects the option of updating the details of an artist.	
Typical Course of Events	Actor Action	System Response
	1. The employee selects the option of updating the details of an artist.	2. The system responds by prompting the employee to enter the artist number. <i>Displays a list of artist numbers</i>
	3. The employee then <i>Selects</i> provides the artist number. <i>from the list</i>	4. The system retrieves the details of the artist and provides the option to the employee of editing them.
	5. The employee then <i>edits</i> , <i>provides</i> the system with the <i>details</i> of the changes.	6. The system then captures the changes and then saves the details of the artist.
Alternate	Actor Action	System Response

Irises		Alt-Step 4: The system responds with the message: "There is no artist with the given artist number", and then prompts the employee to enter the artist number again. (Go back to step 3 again.)
Inclusion	The use case is concluded when the artist details are saved after being updated.	
Exit condition	The details of an artist are updated.	
Assumptions		

Author: Lazola Joni

Use Case Id:	A1700	Use Case Type										
Use Case Name:	Add Agent	<input checked="" type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis										
Date	14 April 2009											
Mary Business Actor	Employee											
Other Participating Actors												
Description	This use case describes an event where a new agent is added to the art gallery system.											
Precondition	The agent does not exist in the system											
Trigger	This use case is initiated after the employee has selected the option of maintaining an agent, and then the selects the option of adding an agent.											
Typical Course Events	<table border="1"> <thead> <tr> <th>Actor Action</th> <th>System Response</th> </tr> </thead> <tbody> <tr> <td>1. The employee <u>requests</u> the option of adding an agent. <u>enters</u></td> <td>2. The system responds by prompting the employee to enter the details of the new agent.</td> </tr> <tr> <td>3. The employee provides the details of the agent and provides the agent with a unique agent number.</td> <td>4. The system then captures the details of the new agent.</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Actor Action	System Response	1. The employee <u>requests</u> the option of adding an agent. <u>enters</u>	2. The system responds by prompting the employee to enter the details of the new agent.	3. The employee provides the details of the agent and provides the agent with a unique agent number.	4. The system then captures the details of the new agent.					Displays form to enter new agent. Creates agent no?
Actor Action	System Response											
1. The employee <u>requests</u> the option of adding an agent. <u>enters</u>	2. The system responds by prompting the employee to enter the details of the new agent.											
3. The employee provides the details of the agent and provides the agent with a unique agent number.	4. The system then captures the details of the new agent.											

Alternate Courses	Actor Action	System Response
	Alt-Step 3: The employee provides an agent number that already exists.	Alt-Step 4: The system responds with the message: "The agent number exists in the system", and then prompts the employee to re-enter the agent number again. (Goes back to Step 3). Generate a number.
Conclusion	This use case is concluded when the new agent is added to the system.	
Post condition	A new agent is added.	
Assumptions		

Author: Lazola Joni

Use-Case Id:	A1800	Use Case Type						
Use-Case Name:	Update Agent details	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis						
Date	14 April 2009							
Primary Business Actor	Employees							
Other Participating Actors								
Description	This use case describes an event where the details of an agent are updated and then saved.							
Precondition	The agent exists in the system.							
Trigger	This use case is initiated when the employee request the option to maintain an agent, and then selects the option to update the details of an agent.							
Typical Course Events	<table border="1"> <thead> <tr> <th>Actor Action</th> <th>System Response</th> </tr> </thead> <tbody> <tr> <td>1. The employee requests ^{Selects} the option to update the details of an agent.</td> <td>2. The system responds by displaying a list of agents currently in the system.</td> </tr> <tr> <td>3. The employee then provides ^{Selects} the agent number.</td> <td>4. The system retrieves the details of the agent and allows the employee to edit the details.</td> </tr> </tbody> </table>		Actor Action	System Response	1. The employee requests ^{Selects} the option to update the details of an agent.	2. The system responds by displaying a list of agents currently in the system.	3. The employee then provides ^{Selects} the agent number.	4. The system retrieves the details of the agent and allows the employee to edit the details.
Actor Action	System Response							
1. The employee requests ^{Selects} the option to update the details of an agent.	2. The system responds by displaying a list of agents currently in the system.							
3. The employee then provides ^{Selects} the agent number.	4. The system retrieves the details of the agent and allows the employee to edit the details.							

	5. The employee provides the changes made to the agent details.	6. The system captures the updated details and then saves them.
ernate rses	Actor Action	System Response
	Alt-Step 3: The employee provides an agent number that exists.	Alt-Step 4: The system responds by displaying the message: "The agent number exists", and prompts the employee to re-enter the agent number. (Goes back to Step 3).
Inclusion	This use case is concluded when the details of an agent are updated and saved by the system.	
it condition	The details of an agent are updated.	
umptions		

how is this alternate event?

Author: Lazola Joni					
-Case Id:	A1900				
-Case Name:	Add Artwork				
Date:	14 April 2009				
Mary Business Actor	Employees				
Other Participating Actors					
Description	This use case describes an event where a new artwork is added to the art gallery system.				
Condition	The use case is done by an employee of the art gallery.				
Trigger	This use case is initiated after the employee has selected the option of maintaining artwork, and then the selects the option of adding an artwork.				
Initial Course Events	<table border="1"> <thead> <tr> <th>Actor Action</th> <th>System Response</th> </tr> </thead> <tbody> <tr> <td>1. The employee requests the option of adding an artwork.</td> <td>2. The system responds by displaying a form or prompting the employee to enter the details of the artwork. detail can be added!</td> </tr> </tbody> </table>	Actor Action	System Response	1. The employee requests the option of adding an artwork.	2. The system responds by displaying a form or prompting the employee to enter the details of the artwork. detail can be added!
Actor Action	System Response				
1. The employee requests the option of adding an artwork.	2. The system responds by displaying a form or prompting the employee to enter the details of the artwork. detail can be added!				

Can also generate an artwork number.

	3. The employee provides the details of the artwork, and also provides the artwork with an artwork number.	4. The system captures the details of the artwork and saves them.
lternate ourses	Actor Action	System Response
	Alt-Step 3: The employee provides an artwork number that exists in the system.	Alt-Step 4: The system responds by displaying the message "The artwork number exists in the system", and then prompts the employee to re-enter the artwork number. (Goes back to Step 3)

onclusion This use case is concluded when a new artwork is added to the system.

ost condition The artwork is added.

ssumptions

narrative for A2000?

uthor: Lazola Joni

se-Case Id:	A2100	Use Case Type
se-Case Name:	Add Employee	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
ate	14 April 2009	
imary usiness Actor	Manager	
ther articipating ctors		
escription	This use case describes an event where an employee is added to the system.	
recondition	The only person allowed to do the use case is the manager.	
trigger	This use case is initiated when the manager selects the option to maintain employee, and then the option of adding an employee.	
ypical Course	Actor Action	System Response

of Events	selects 1. The manager requests the option of adding an employee.	2. The system responds by prompting the manager to enter the details of the employee. <i>displaying a form to enter employee details. Also generate emp. no</i>
	enacts 3. The manager provides the details of the employee, and also provides the employee with an employee number.	4. The system captures the details of the employee and saves them.
Alternate Courses	Actor Action	System Response
	Alt-Step 3: The manager provides an employee number that exists in the system.	Alt-Step 4: The system responds by displaying the message: "The employee number exists in the system", and then prompts the manager to re-enter the artwork number. (Goes back to Step 3)
Conclusion	This use case is concluded when the manager has added the new employee to the system.	
Post condition	The employee is added to the system.	
Assumptions		

Author: Lazola Joni	
Use-Case Id: A1300 A 2200?	Use Case Type
Use-Case Name: Update Employee details	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date	14 April 2009
Primary Business Actor	Manager
Other Participating Actors	
Description	This use case describes an event where the details of an employee are updated. This could include a change of postal address, change of contact numbers, etc.

- Business Requirements
 Analysis

Use-Case Id: A1300 A 2200?	**Use Case Type**
Use-Case Name: Update Employee details	Business Requirements Analysis
Date	14 April 2009
Primary Business Actor	Manager
Other Participating Actors	
Description	This use case describes an event where the details of an employee are updated. This could include a change of postal address, change of contact numbers, etc.

Precondition	The employee is currently employed in the art gallery.															
Trigger	This use case is initiated after the manager has selected the option of maintaining employees and then selects the option of updating the details of an employee.															
Typical Course of Events	<table border="1"> <thead> <tr> <th>Actor Action</th> <th>System Response</th> </tr> </thead> <tbody> <tr> <td>1. The manager requests the option of updating the details of an employee.</td> <td>2. The system responds by prompting the manager to enter the employee number.</td> </tr> <tr> <td>3. The employee then provides the employee number.</td> <td>4. The system retrieves all the information of the employee, and they are also editable.</td> </tr> <tr> <td>5. The manager then provides changes to the details of the employee.</td> <td>6. The details of the employee are then captured and then saved.</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Actor Action	System Response	1. The manager requests the option of updating the details of an employee.	2. The system responds by prompting the manager to enter the employee number.	3. The employee then provides the employee number.	4. The system retrieves all the information of the employee, and they are also editable.	5. The manager then provides changes to the details of the employee.	6. The details of the employee are then captured and then saved.							<p style="text-align: right; margin-right: 10px;">giving a list of current employees.</p> <p style="margin-top: 10px; margin-left: 10px;">/</p>
Actor Action	System Response															
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Conclusion	This use case is concluded when the details of an employee are updated and saved in to the system.															
Post condition	Details of an employee are updated.															
Assumptions																

3.2 Package B: Sales

Author: Yonela Ndabeni

Use-Case Id:	B0100	Use Case Type
Use-Case Name:	Maintain Consignment	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date	14 April 2009	
Primary	employee	

Business Actor		
Other Participating Actors		
Description	The use case describes the event where an artwork is added to consignments or return and therefore deleted from consignments	
Precondition		
Trigger	Use case triggered when the employee select the option to maintain consignment	
Typical Course of Events	Actor Action	System Response
	Step 1: employee selects the option to maintain consignment	Step 2: system displays two option return consignment and add consignment
	3 Employee selects to Add consignment	4 System displays Sorry! to delete consignment Invokes B0700
	5 Employee enters ---	
Alternate Courses	Actor Action	System Response
	Alt-3a Employee selects to return consignment	Alt 4-a System displays Sorry! screen to return consignment Invokes B0600.
Conclusion	The user selects one of the options	
Post condition	A consignment is add or deleted	
Assumptions		

Author: Yonela Ndabeni

Use-Case Id: B0700	Use Case Type
Use-Case Name: Add Consignment	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date	14 April 2009
Primary Business Actor	Employee
Other Participating Actors	

Description	The use case describes the event of an artist or agent submitting his or her artwork to the gallery. The gallery is not purchasing the artwork. The artwork is hanged at the gallery for a certain time for customers to buy	
recondition	The artist or agent submitting the artwork must exist in the records of the gallery, with a valid artist number or agent number.	
trigger	The use case is initiated when the employee selects the option add consignment <i>From where?</i>	
Typical Course Events	Actor Action	System Response
	Step 1: The employee requests the option to add consignment	Step 2: the system requests for the artist or agent number to check if they exist within the system.
	Step 3: The employee enters the artist or agent number.	Step 4: The system verifies the existence of the artist or agent number within the gallery records.
	Step 5: The employee then enters the artwork details	Step 6: The system saves the artwork details
	Step 7: The employee then enters the artwork details.	Step 8: The system saves the artwork details.
Alternate Courses	Actor Action	System Response
	Alt 3-a employee selects agent	Alt 4-a System displays list of agents
	Alt 5-a employee selects specific agent.	Alt- Step 4: If the artist or agent number does not exist, the system calls the add artist and add agents methods. Before responding with a form to add artwork. (go to step 5)
		Alt 4b if artist does not exist, invoke A1400
		Alt 4c if agent does not exist, invoke A1700
Conclusion	<ul style="list-style-type: none"> The use case concludes when the employee receives confirmation that the artwork is saved on the system. OR Concludes when the artwork is then removed from the gallery records and the number of artworks in the gallery is updated. 	
Last condition	The artwork has been recorded; if the artists or agent were not in the system they are also recorded. The number of artworks in the gallery is updated. <i>where / how ??</i>	
Assumptions	The artist or agent can cancel the consignment at any time.	

Author: Yonela Ndabeni		
Use-Case Id: B0600		Use Case Type <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Use-Case Name: Return Consignment		✓
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	This use case describes an event where an artwork is being returned to an artist or agent. After the artwork has been hanging at the gallery for a certain period of time and has not been sold.	
Precondition	The artwork was added for consignment to start with. The consignment period of the artwork has expired or the artist or agent has cancelled the consignment.	
Trigger	The use case is triggered when the employee has selected the option to return artwork. Invokes from Maintain Consignment.	
Typical Course of Events	Actor Action selects	System Response System
	Step 1: The employee requests the option to return consignment.	Step 2: The system responds with displaying a form that has a search option. Prompting the employee to insert the artwork number. System can simply list all consignments that can be returned.
	Step 3: The employee enters the artwork number from the list	Step 4: The system displays details
	Step 5: The employee deletes the artwork from consignment.	Step 6: The system automatically updates the consignments.
	Selects to return artwork (∴ delete it)	
Alternate Courses	Actor Action	System Response
		At Step 4: The system displays an error message (go to step 3)
Conclusion	No! You simply want it to be marked as returned - not physically deleted.	
Post condition	The artwork is then removed from the gallery records and the number of artworks on consignment is updated. What period?	
Assumptions	The artist or agent can renew a consignment when the period is expired but they still want the artwork to be on consignment at the gallery. The artwork is then added to again for consignment.	

Author: Yonela Ndabeni		
Use-Case Id: B0500		Use Case Type <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Use-Case Name: Search Artwork		
Date	14 April 2009	
Primary Business Actor	Manager	
Other Participating Actors		
Description	The use case describes an event where a manager needs to view artworks that are bought by a certain customer. The manager also requires the system to search for information of an artwork that is on consignment.	
Precondition	The employee has to be a manager	
Trigger	The use case is triggered when a selects search Artwork option.	
Typical Course of Events	Actor Action	System Response
	Step 1: The manager requests the option to search artwork.	Step 2: The system responds by displaying two options; search on consignment and bought by customer.
	Step 3: The manager selects the option to bought by customer	Step 4: The system responds by requesting the customer number.
	Step 5: The manager enters the customer number	Step 6: The system displays all artwork bought by that customer.
Alternate Courses	Actor Action	System Response
	Alt-Step 3: The manager selects the option to search on consignment	Alt-Step 4: The system responds by displaying all the artwork on consignment.
	Alt -5 Select artwork	Alt -6 displays result [16 required]
Conclusion	The use case concludes when the system displays a list of artworks on consignment or when the system displays all artwork bought by a specific customer.	
Post condition	The manager views the list	

Other option is an alternate course of events.

L Make search on consignment file ALT course.

Assumptions	<ul style="list-style-type: none"> The customer exists within the gallery records The system does consist of artworks that are on consignment
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Author: Yonela Ndabeni		
Use-Case Id: B0400		Use Case Type
Use-Case Name: Send Notification		<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Date	14 April 2009	
Primary Business Actor	employee	
Other Participating Actors		
Description	This use case describes the event where an employee has to send information to the gallery's customers about the gallery exhibitions.	
Precondition	<ul style="list-style-type: none"> The individual sending the notifications must be an employee at the gallery. There is an exhibition at the gallery which the customers need to be informed about. 	
Trigger	This use case is triggered when the employee selects the option send notification	
Typical Course of Events	Actor Action	System Response
	Step 1: The employee selects the option to send notification	Step 2: The system responds by displaying a list of customers
	Step 3: The employee selects the customers to which notifications must be sent to	Step 4: the system prints out the customer name , surname and telephone number
Alternate Courses	Actor Action	System Response
Conclusion	The use case is concluded when the user receives conformation that notification are sent	
Post condition	The employee calls all the customers on the print out	
Assumptions		

Author: Yonela Ndabeni		
Use-Case Id: B0200	Check glossary & Diagram	
Use-Case Name: Record Sale	<p>Use Case Type</p> <input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis	
Date	14 April 2009	
Primary Business Actor	Employee	
Other Participating Actors		
Description	<p>This use case describes an event where an artwork work is bought by a customer and the sale has to be recorded. During the sale the following have to be considered is the artwork discounted, does the sale include courier charges or the customer will come and pick up the artwork themselves. The sale includes handling fees and the bills generated.</p>	
Precondition	An artwork is sold	
Trigger	The use case is triggered when the employee selects the option record sale.	
Typical Course of Events	Actor Action	System Response
	Step 1: The employee requests the option to record sale selects	Step 2: The system respond by asking the customer number displaying the list of artworks at the gallery
	Step 3: the user enter the customer number from the list	Step 4: the system verifies the customer number and displays the list of artworks at the gallery
	Step 5: The employee selects the name of the artwork being bought and clicks on the okay button.	Step 5: the system asks the user if the artwork is discounted
	Step 7: the user enters the discount percentage	Step 8: The system displays discounted amount of the artwork price.
	Step 9: the user clicks on the handling fees option	Step 10: The adds the handling fees to the discounted artwork price and gives the option for courier charges
	Step 11: the user selects courier charges	Step 12: the system adds the courier charges
	Step 13: the user requests total amount	Step 14: the system displays the final amount

Item	Actor Action	System Response
		Alt-Step 4: If the customer number does not exist the system requires the user to add customer. The system calls the method to add customer.
		Alt-Step 4: Artwork is not discounted (go to step 9)
	Alt-Step 9: the user does not select courier charges (go to step 13)	
Conclusion	The use case is concluded when bills are generated	
Condition	The customer gets a bill	
Options		

Yonela Ndabeni

use Id: B1400
use Name: Purchase Artwork
Date: 14 April 2009

Not in glossary
Only an diagram

Use Case Type
 Business Requirements
 Analysis

Actor: Employee

Description: This use case describes the event where a payment can also occur when the gallery purchases a new artwork.

Condition: Payment is made to an existing artist or agent

Trigger: The use case is triggered when an employee selects the option purchase artwork

Course	Actor Action	System Response
	Step 1: The employee requests the option to purchase artwork	Step 2 The system requests the user to enter the artist number and artwork number
	Step 3: The user enters the artist number And artwork number	Step 4: The system checks the validity of the artist number

What is the difference between Purchase and Add artwork?
Are they the same?
Or is the purpose hoc to pay an artist

	Step 5: User enters the price of the artwork	Step 6: the system increases the amount paid to the artist with the given price or an agent if the artist works with an agent
		Step 8: the system calls the method to add artwork. Artwork is added to the system
	Actor Action	System Response
		Alt-Step 4: If the artist number does not exist the system requires the user to add artists. The system calls the method to add Artist UCL #.
lusion	The use case concludes when the user get the conformation that the payment is add to the artist/agents account.	
condition	The payment count of an artist/agent is increased because of the payment.	
mptions	An agent pays their own artists	

Author: Yonela Ndabeni	
Case Id: B1500	Not in glossary Only in diagram
Case Name: Consignment payment	Use Case Type
14 April 2009	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis
Primary Actor	employee
Participating Act	
Description	This use case describes the event where a payment to an agent or artist is recorded after a sale of a consigned artwork concerning that particular agent or artist has been sold
Condition	An artwork on consignment is bought
Trigger	The use case is triggered when an employee selects the option consignment payment

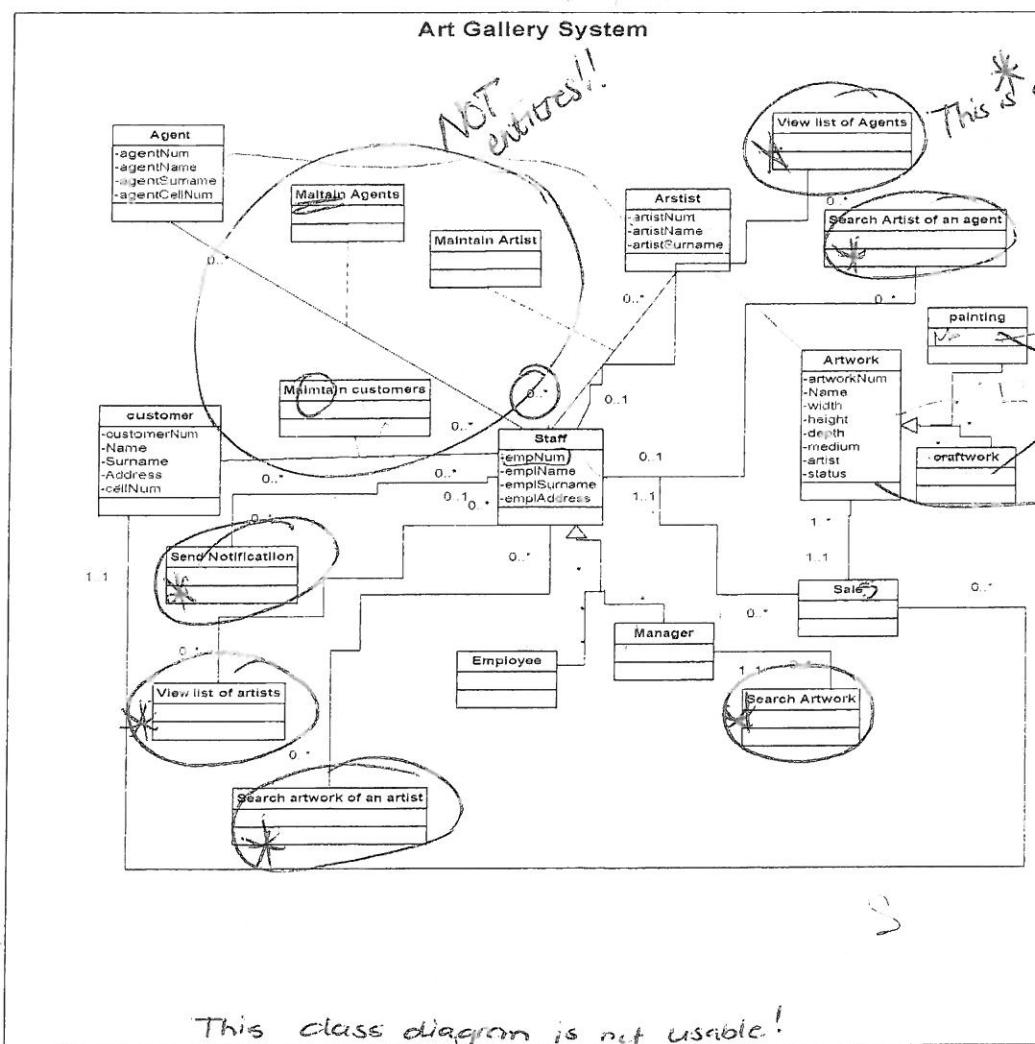
Typical Course of Events	Actor Action	System Response
	Step 1: The employee selects requests the option for consignment purchase	Step 2 The system requests the user to enter the artist number and artwork number Select from lists displayed
	Step 3: The user selects enters the artist number And artwork number	Step 4: The system checks the validity of the artist number
		Step 5: the system increases the amount paid to the artist/agent with the given price taken from the artwork records
Alternate Courses	Actor Action	System Response
		Alt-Step 4: If the artist number does not exist, the system display an error message (go to step3)
Conclusion	The use case concludes when the user get the conformation that the payment is add to the artist/agents account.	
Post Condition	The payment count of an artist/agent is increased because of the payment.	
Assumptions	An agent pays their own artists	

Author: Yonela Ndabenzi

e-Case Id: B0200	Use Case Type	
e-Case Name: record payment	<input type="checkbox"/> Business Requirements <input checked="" type="checkbox"/> Analysis	
Date	14 April 2009	
Primary Actor	employee	
Other Participating Actors		
Description	This use case describes the event where a payment is made to an artist/agent. When artwork on consignment has been sold or when the gallery purchases a new artwork	
Precondition		
Trigger	The use case is triggered when an employee selects the option record payment	
Typical Course of Events	Actor Action	System Response
	Step 1: The employee requests the option for record payment	Step 2: the system displays two option consignment payment and purchase artwork

Why separate?
What about
B400 / BISCO

DATA REQUIREMENTS



NOT entries!!

This is a report - not stored in db.

Type of payment?
Attributes.
No relationship
between artist
and/or agent?

Payments?

This class diagram is not usable!

Needs serious attention!

Missing attributes!
PK's?
FK's?