

**PB007**

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jsenko

# Table of Contents

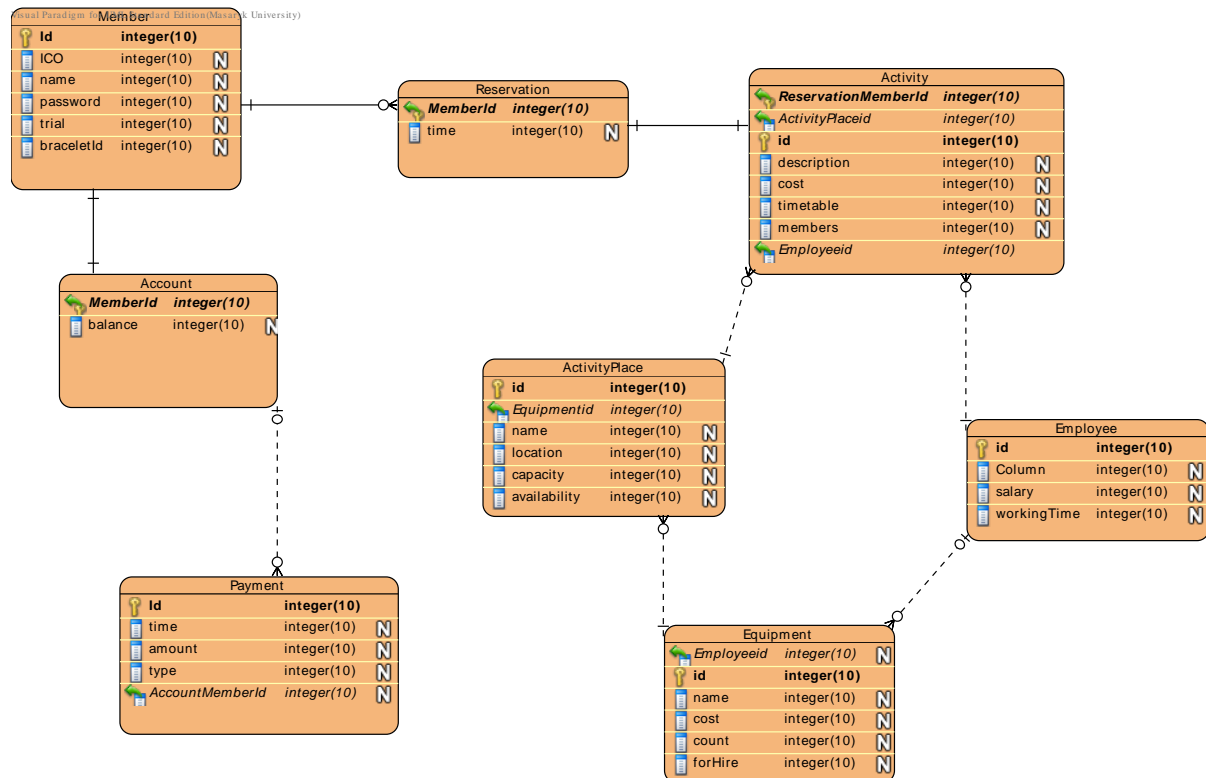
ER diagram.....	4
Use Case Diagram.....	16
Analytical class diaram.....	63
Book up an activity.....	123
Register into system.....	142
Book up an activity.....	162
Cancel activity reservation.....	170
Book up an activity.....	178
Register into system.....	192

# Table of Figures

ER diagram.....	4
Use Case Diagram.....	16
Analytical class diaram.....	63
Book up an activity.....	123
Register into system.....	142
Book up an activity.....	162
Cancel activity reservation.....	170
Book up an activity.....	178
Register into system.....	192

# Entity Relationship Diagram

## ER diagram



Name	Value
Name	ER diagram
Author	jsenko
Create Date Time	Nov 1, 2012 6:35:16 PM
Last Modified	Nov 15, 2012 6:48:32 PM
Data Model	Physical

## Summary

Name	Documentation
<a href="#">Member</a>	
<a href="#">Activity</a>	
<a href="#">Reservation</a>	
<a href="#">Account</a>	
<a href="#">ActivityPlace</a>	
<a href="#">Employee</a>	
<a href="#">Payment</a>	
<a href="#">Equipment</a>	

## Details



## Member


Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:40:24 PM	
Last Modified	Nov 1, 2012 7:12:45 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	

## Columns Summary

Name	DataType	Constraints	Nullable	Documentation
Id	integer(10)	PK	No	
ICO	integer(10)		Yes	
name	integer(10)		Yes	
password	integer(10)		Yes	
trial	integer(10)		Yes	
braceletId	integer(10)		Yes	

## Relationships

Unnamed Relationship	
To	<a href="#">Account</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:48:11 PM
Last Modified	Nov 1, 2012 7:12:45 PM
Quality Score	Good
Identifying	true
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 <a href="#">Reservation</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:48:47 PM
Last Modified	Nov 1, 2012 7:24:18 PM
Quality Score	Good
Identifying	true
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


## Activity


Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:42:24 PM	
Last Modified	Nov 1, 2012 7:24:18 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	


## Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
ReservationMemberId	integer(10)	PK/FK ( <a href="#">Reservation.MemberId</a> )	No	
ActivityPlaceId	integer(10)	FK ( <a href="#">ActivityPlace.id</a> )	No	
id	integer(10)	PK	No	
description	integer(10)		Yes	
cost	integer(10)		Yes	
timetable	integer(10)		Yes	
members	integer(10)		Yes	
Employeeid	integer(10)	FK ( <a href="#">Employee.id</a> )	No	

## Relationships

Unnamed Relationship	
From	 <a href="#">Reservation</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:49:18 PM
Last Modified	Nov 1, 2012 7:24:18 PM
Quality Score	Good
Identifying	true
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 <a href="#">ActivityPlace</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:49:24 PM
Last Modified	Nov 1, 2012 7:02:13 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 <a href="#">Employee</a>
Author	jsenko
Create Date Time	Nov 1, 2012 7:21:31 PM
Last Modified	Nov 8, 2012 6:21:35 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


## Reservation

Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:42:08 PM	
Last Modified	Nov 1, 2012 7:24:18 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	


## Columns Summary

Name	DataType	Constraints	Nullable	Documentation
MemberId	integer(10)	PK/FK ( <a href="#">Member.Id</a> )	No	
time	integer(10)		Yes	

## Relationships

Unnamed Relationship	
To	 <a href="#">Activity</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:49:18 PM
Last Modified	Nov 1, 2012 7:24:18 PM
Quality Score	Good
Identifying	true
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical



Unnamed Relationship	
From	 <a href="#">Member</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:48:47 PM
Last Modified	Nov 1, 2012 7:24:18 PM
Quality Score	Good
Identifying	true
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


## Account


Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:41:44 PM	
Last Modified	Nov 1, 2012 7:12:45 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	

## Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
MemberId	integer(10)	PK/FK ( <a href="#">Member.Id</a> )	No	
balance	integer(10)		Yes	

## Relationships

Unnamed Relationship	
To	 <a href="#">Payment</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:50:33 PM
Last Modified	Nov 1, 2012 7:12:45 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	0..1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 <a href="#">Member</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:48:11 PM
Last Modified	Nov 1, 2012 7:12:45 PM
Quality Score	Good
Identifying	true
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


## ActivityPlace


Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:42:43 PM	
Last Modified	Nov 1, 2012 7:25:56 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	

## Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
id	integer(10)	PK	No	
Equipmentid	integer(10)	FK ( <a href="#">Equipment.id</a> )	No	
name	integer(10)		Yes	
location	integer(10)		Yes	
capacity	integer(10)		Yes	
availability	integer(10)		Yes	

## Relationships

Unnamed Relationship	
To	 <a href="#">Activity</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:49:24 PM
Last Modified	Nov 1, 2012 7:02:13 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 <a href="#">Equipment</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:50:19 PM
Last Modified	Nov 1, 2012 7:02:13 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


## Employee


Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:45:36 PM	
Last Modified	Nov 1, 2012 7:24:18 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	

## Columns Summary

Name	DataType	Constraints	Nullable	Documentation
id	integer(10)	PK	No	
Column	integer(10)		Yes	
salary	integer(10)		Yes	
workingTime	integer(10)		Yes	

## Relationships

Unnamed Relationship	
To	 <a href="#">Equipment</a>
Author	jsenko
Create Date Time	Nov 1, 2012 7:00:47 PM
Last Modified	Nov 1, 2012 7:24:18 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	0..1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 <a href="#">Activity</a>
Author	jsenko
Create Date Time	Nov 1, 2012 7:21:31 PM
Last Modified	Nov 8, 2012 6:21:35 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


## Payment

Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:41:55 PM	
Last Modified	Nov 1, 2012 7:24:18 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	

## Columns Summary

Name	DataType	Constraints	Nullable	Documentation
Id	integer(10)	PK	No	
time	integer(10)		Yes	
amount	integer(10)		Yes	
type	integer(10)		Yes	
AccountMemberId	integer(10)	FK ( <a href="#">Account.MemberId</a> )	Yes	

## Relationships

Unnamed Relationship	
From	 <a href="#">Account</a>
Author	jsenko
Create Date Time	Nov 1, 2012 6:50:33 PM
Last Modified	Nov 1, 2012 7:12:45 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	0..1
Sync To Association	Yes
Data Model	Physical

## Equipment


Name	Value	
Author	jsenko	
Create Date Time	Nov 1, 2012 6:43:41 PM	
Last Modified	Nov 1, 2012 7:24:18 PM	
Data Model	Physical	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Records	N/A	

## Columns Summary

Name	DataType	Constraints	Nullable	Documentation
Employeeid	integer(10)	FK ( <a href="#">Employee.id</a> )	Yes	
id	integer(10)	PK	No	
name	integer(10)		Yes	
cost	integer(10)		Yes	
count	integer(10)		Yes	
forHire	integer(10)		Yes	

## Relationships

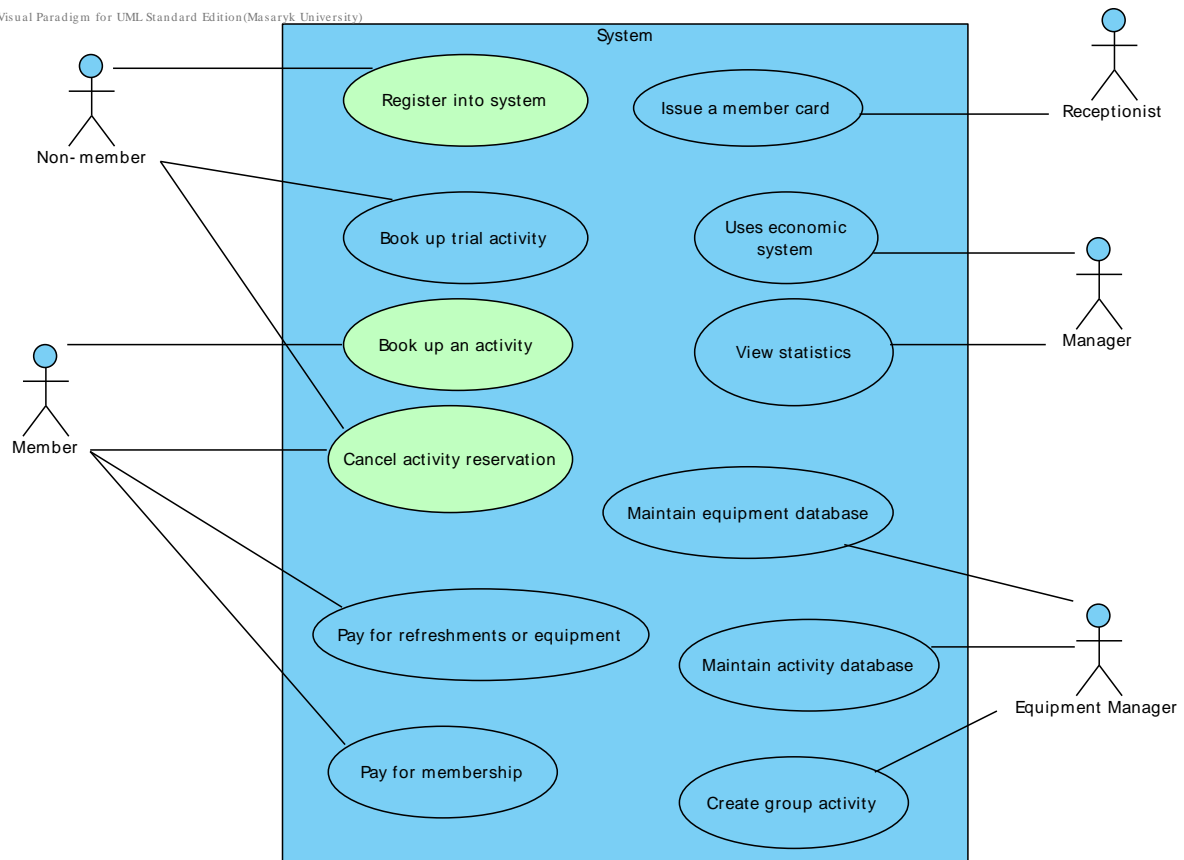
Unnamed Relationship	
To	 ActivityPlace
Author	jsenko
Create Date Time	Nov 1, 2012 6:50:19 PM
Last Modified	Nov 1, 2012 7:02:13 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 Employee
Author	jsenko
Create Date Time	Nov 1, 2012 7:00:47 PM
Last Modified	Nov 1, 2012 7:24:18 PM
Quality Score	Good
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	0..1
Sync To Association	Yes
Data Model	Physical

## Use Case Diagram

# Use Case Diagram

Visual Paradigm for UML Standard Edition (Masaryk University)




Name	Value
Name	Use Case Diagram
Author	jsenko
Create Date Time	Sep 27, 2012 6:54:32 PM
Last Modified	Nov 15, 2012 7:15:46 PM
Show Extend Condition	false

## Summary

Name	Documentation
Member	
Non-member	
Manager	
Equipment Manager	
Receptionist	
Uses economic system	
Issue a member card	
Book up trial activity	
Maintain activity database	
Maintain equipment database	



● Pay for refreshments or equipment	
● Cancel activity reservation	<p>Brief Description: User decide not to go to activity A from time T</p> <p>Preconditions: User must have activity A reserved</p> <p>Main Flow:</p> <ol style="list-style-type: none"> <li>1. User logs in</li> <li>2. User goes to his activity list and finds the proper activity</li> <li>3. User clicks the button "cancel reservation"</li> <li>4. The Reservation is cancelled</li> </ol> <p>Postcondition: User has not activity A reserved</p> <p>Alternative Flows:</p>
● View statistics	
● Pay for membership	
● Create group activity	
● Book up an activity	<p>Brief description: Member finds in ordering system appropriate activity and calendar inside it and book up the time that suits him</p> <p>Precondition: None</p> <p>Main Flow:</p> <ol style="list-style-type: none"> <li>1. Member selects an activity</li> <li>2. The calendar of activity is displayed to him.</li> <li>3. He chooses the time he wants</li> <li>4. If the time he wants is already reserved, he can join the queue of activity. <ol style="list-style-type: none"> <li>4.1 If activity is not engaged, the user gets email or sms notification and he can join it</li> </ol> </li> <li>5. He can pay for it till 7 days after attending the activity</li> <li>6. If he doesn't pay in time, he will receive penalty</li> </ol> <p>Postcondition: None</p> <p>Alternative Flows: None</p>
● Register into system	<p>Brief description: The customer provides his credentials including nickname and password in order to verify his identity when signing into system</p> <p>Preconditions: None</p> <p>Main Flow:</p> <ol style="list-style-type: none"> <li>1. The use case starts when user clicks the button "Register"</li> <li>2. User must type in his credentials into textfields(email and password twice)</li> <li>3. All credentials must be filled in</li> <li>4. Customer confirms his credentials</li> <li>5. Customer must accept the terms of use</li> <li>5. WHILE passwords or emails dont match <ol style="list-style-type: none"> <li>5.1 customer gets new form with filled credentials except those that dont match</li> <li>5.2 customer confirms his credentials</li> <li>5.3 credentials are validated</li> </ol> </li> </ol>

	6. User credentials are processed on the server
	Postcondition: None
	Alternative flow:
	1. The user cancels registration form during the registration
 System	

## Documentation

### Functional requirements

- System must keep records of users in the database
- System must distinguish different types of membership (monthly, yearly, trial)
- System will assign an unique identifier (ICO) to each user
- System will identify the user utilizing contactless smart card
- System must keep track of users membership fee payments
- System will distinguish two types of activities - individual and group
- System must allow users to book an activity using a web interface
- System should include a mechanism for canceling reservations
- System must collect statistics on the use of individual activities that will be accessible to a manager
- System will be able to communicate with the economic system

### Non-functional

- System will also be accessible for visually and hearing impaired users
- System is scalable, when deployed it must be able to serve 10,000 users simultaneously
- System must prevent single account from being used by multiple persons
- System should be optimized for all modern desktop and mobile browsers
- The system may be down for at most 1 hour a month

## Details


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## Member


Name	Value	
Author	jsenko	
Create Date Time	Sep 27, 2012 6:55:39 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
ID	AC01	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	
Goals		

## Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 Pay for membership
	Author	jsenko
	Create Date Time	Oct 2, 2012 1:56:43 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 1:56:43 PM	
Last Modified	Oct 2, 2012 2:01:38 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 Pay for refreshments or equipment
	Author	jsenko
	Create Date Time	Oct 2, 2012 2:00:46 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 2:00:46 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Book up an activity</a>
	Author	jsenko
	Create Date Time	Oct 4, 2012 6:49:34 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 6:49:34 PM	
Last Modified	Oct 4, 2012 6:50:32 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Cancel activity reservation</a>
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:19:46 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:19:46 PM	
Last Modified	Oct 4, 2012 7:32:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	





## Non-member


Name	Value	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:07:14 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
ID	AC04	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	
Goals		



## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 <a href="#">Register into system</a>
	Author	jsenko
	Create Date Time	Oct 4, 2012 6:56:33 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 6:56:33 PM	
Last Modified	Oct 4, 2012 7:01:36 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Book up trial activity</a>
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:06:53 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:06:53 PM	
Last Modified	Oct 9, 2012 10:35:00 AM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Cancel activity reservation</a>
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:19:53 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:19:53 PM	
Last Modified	Oct 4, 2012 7:32:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	




## Manager

Name	Value	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:05:02 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
ID	AC03	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	
Goals		

## Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">View statistics</a>
	Author	jsenko
	Create Date Time	Oct 2, 2012 1:57:23 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 1:57:23 PM	
Last Modified	Oct 2, 2012 2:01:38 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


Unnamed Association		
From	Name	Value
	End Model Element	 Uses economic system
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:18:40 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:18:40 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	




## Equipment Manager


Name	Value	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:10:13 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
ID	AC06	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	
Goals		

## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Create group activity
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:20:39 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:20:39 PM	
Last Modified	Oct 4, 2012 7:32:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	



Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Maintain equipment database</a>
	Author	jsenko
	Create Date Time	Oct 2, 2012 2:01:50 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 2:01:50 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Maintain activity database</a>
	Author	jsenko
	Create Date Time	Oct 2, 2012 2:02:12 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 2:02:12 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	



## Receptionist

Name	Value	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:04:43 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
ID	AC02	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	
Goals		


## Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Issue a member card</a>
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:13:35 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:13:35 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Uses economic system

Name	Value	
Author	jsenko	
Create Date Time	Oct 4, 2012 7:17:01 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
ID	UC15	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Manager
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:18:40 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:18:40 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Issue a member card

Name	Value	
Author	jsenko	
Create Date Time	Oct 4, 2012 7:12:48 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
ID	UC14	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

## Relationships


Unnamed Association		
To	Name	Value
	End Model Element	 Receptionist
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:13:35 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:13:35 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	



## Book up trial activity

Name	Value	
Author	jsenko	
Create Date Time	Oct 4, 2012 6:50:30 PM	
Last Modified	Oct 9, 2012 10:35:00 AM	
ID	UC13	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Non-member
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:06:53 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:06:53 PM	
Last Modified	Oct 9, 2012 10:35:00 AM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Maintain activity database

Name	Value	
Author	jsenko	
Create Date Time	Oct 2, 2012 2:01:58 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
ID	UC11	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 <a href="#">Equipment Manager</a>
	Author	jsenko
	Create Date Time	Oct 2, 2012 2:02:12 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 2:02:12 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Maintain equipment database

Name	Value	
Author	jsenko	
Create Date Time	Oct 2, 2012 2:01:31 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
ID	UC10	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 <a href="#">Equipment Manager</a>
	Author	jsenko
	Create Date Time	Oct 2, 2012 2:01:50 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 2:01:50 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Pay for refreshments or equipment

Name	Value	
Author	jsenko	
Create Date Time	Oct 2, 2012 2:00:12 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
ID	UC09	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Oct 2, 2012 2:00:46 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 2:00:46 PM	
Last Modified	Oct 2, 2012 2:08:10 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


## Cancel activity reservation


Name	Value
Documentation	Brief Description: User decide not to go to activity A from time T
	Preconditions: User must have activity A reserved
	Main Flow: 1. User logs in 2. User goes to his activity list and finds the proper activity 3. User clicks the button "cancel reservation" 4. The Reservation is cancelled
	Postcondition: User has not activity A reserved
	Alternative Flows:
Author	jsenko




Create Date Time	Oct 2, 2012 1:58:54 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
ID	UC08	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:19:46 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:19:46 PM	
Last Modified	Oct 4, 2012 7:32:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
To	Name	Value
	End Model Element	 Non-member
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:19:53 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:19:53 PM	
Last Modified	Oct 4, 2012 7:32:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


## Sub Diagrams

Name	Documentation
 <a href="#">Cancel activity reservation</a>	

## View statistics

Name	Value	
Author	jsenko	
Create Date Time	Oct 2, 2012 1:57:07 PM	
Last Modified	Oct 2, 2012 2:01:38 PM	
ID	UC07	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Manager
	Author	jsenko
	Create Date Time	Oct 2, 2012 1:57:23 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 1:57:23 PM	
Last Modified	Oct 2, 2012 2:01:38 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Pay for membership

Name	Value	
Author	jsenko	
Create Date Time	Oct 2, 2012 1:56:27 PM	
Last Modified	Oct 2, 2012 2:01:38 PM	
ID	UC06	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Oct 2, 2012 1:56:43 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 2, 2012 1:56:43 PM	
Last Modified	Oct 2, 2012 2:01:38 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Create group activity

Name	Value	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:21:02 PM	
Last Modified	Oct 4, 2012 7:22:34 PM	
ID	UC04	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

## Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 <a href="#">Equipment Manager</a>
	Author	jsenko
	Create Date Time	Oct 4, 2012 7:20:39 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 7:20:39 PM	
Last Modified	Oct 4, 2012 7:32:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


## Book up an activity

Name	Value
Documentation	Brief description: Member finds in ordering system appropriate activity and calendar inside it and book up the time that suits him
	Precondition: None
	Main Flow:
	<ol style="list-style-type: none"> <li>1. Member selects an activity</li> <li>2. The calendar of activity is displayed to him.</li> <li>3. He chooses the time he wants</li> <li>4. If the time he wants is already reserved, he can join the queue of activity.               <ol style="list-style-type: none"> <li>4.1 If activity is not engaged, the user gets email or sms notification and he can join it</li> </ol> </li> </ol>





	5. He can pay for it till 7 days after attending the activity 6. If he doesn't pay in time, he will receive penalty	
	Postcondition: None	
	Alternative Flows: None	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:18:23 PM	
Last Modified	Nov 15, 2012 7:15:48 PM	
ID	UC03	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Oct 4, 2012 6:49:34 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 6:49:34 PM	
Last Modified	Oct 4, 2012 6:50:32 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Sub Diagrams


Name	Documentation
 Book up an activity	
 Book up an activity	

## Register into system



Name	Value
Documentation	Brief description: The customer provides his credentials including nickname and password in order to verify his identity when signing into system
	Preconditions: None
	Main Flow:
	1. The use case starts when user clicks the button "Register"

	2. User must type in his credentials into textfields(email and password twice) 3. All credentials must be filled in 4. Customer confirms his credentials 5. Customer must accept the terms of use 5. WHILE passwords or emails dont match 5.1 customer gets new form with filled credentials except those that dont match 5.2 customer confirms his credentials 5.3 credentials are validated 6. User credentials are processed on the server Postcondition: None Alternative flow: 1. The user cancels registration form during the registration	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:13:29 PM	
Last Modified	Nov 8, 2012 7:36:48 PM	
ID	UC01	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Quality Score	Fair	
Quality Reason	<b>Problem</b>	<b>Suggestion</b>
	Name does not contain glossary terms	Define name as term in glossary
Business Model	false	

## Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 Non-member
	Author	jsenko
	Create Date Time	Oct 4, 2012 6:56:33 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 4, 2012 6:56:33 PM	
Last Modified	Oct 4, 2012 7:01:36 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	



## Sub Diagrams

Name	Documentation
 Register into system	
 Register into system	

## System

Name	Value	
Author	jsenko	
Create Date Time	Sep 27, 2012 7:00:48 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Children

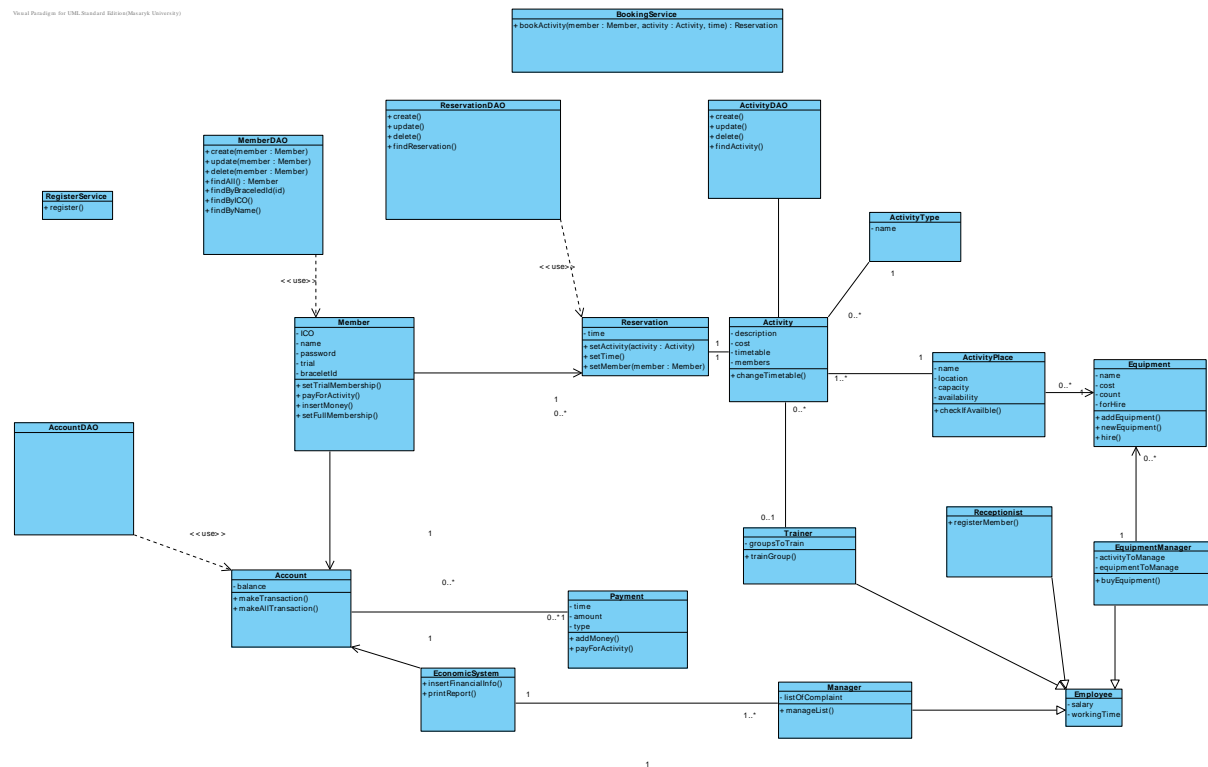
Name	Documentation
 Register into system	<p>Brief description: The customer provides his credentials including nickname and password in order to verify his identity when signing into system</p> <p>Preconditions: None</p> <p>Main Flow:</p> <ol style="list-style-type: none"> <li>1. The use case starts when user clicks the button "Register"</li> <li>2. User must type in his credentials into textfields(email and password twice)</li> <li>3. All credentials must be filled in</li> <li>4. Customer confirms his credentials</li> <li>5. Customer must accept the terms of use</li> <li>5. WHILE passwords or emails dont match               <ol style="list-style-type: none"> <li>5.1 customer gets new form with filled credentials except those that dont match</li> <li>5.2 customer confirms his credentials</li> <li>5.3 credentials are validated</li> </ol> </li> <li>6. User credentials are processed on the server</li> </ol> <p>Postcondition: None</p> <p>Alternative flow:</p> <ol style="list-style-type: none"> <li>1. The user cancels registration form during the registration</li> </ol>
 Book up an activity	<p>Brief description: Member finds in ordering system appropriate activity and calendar inside it and book up the time that suits him</p> <p>Precondition: None</p> <p>Main Flow:</p> <ol style="list-style-type: none"> <li>1. Member selects an activity</li> <li>2. The calendar of activity is displayed to him.</li> <li>3. He chooses the time he wants</li> <li>4. If the time he wants is already reserved, he can join the queue of activity.</li> </ol>

	<p>4.1 If activity is not engaged, the user gets email or sms notification and he can join it</p> <p>5. He can pay for it till 7 days after attending the activity</p> <p>6. If he doesn't pay in time, he will receive penalty</p> <p>Postcondition: None</p> <p>Alternative Flows: None</p>
● Create group activity	
● Pay for membership	
● View statistics	
● Cancel activity reservation	<p>Brief Description: User decide not to go to activity A from time T</p> <p>Preconditions: User must have activity A reserved</p> <p>Main Flow:</p> <ol style="list-style-type: none"> <li>1. User logs in</li> <li>2. User goes to his activity list and finds the proper activity</li> <li>3. User clicks the button "cancel reservation"</li> <li>4. The Reservation is cancelled</li> </ol> <p>Postcondition: User has not activity A reserved</p> <p>Alternative Flows:</p>
● Pay for refreshments or equipment	
● Maintain equipment database	
● Maintain activity database	
● Book up trial activity	
● Issue a member card	
● Uses economic system	
● Register for trial	
● N/A	

## Class Diagram

# Analytical class diaram







Visual Paradigm for UML Standard Edition (Mac OS X 9.1)



Name	Value
Name	Analytical class diaram
Author	jsenko
Create Date Time	Oct 18, 2012 6:24:30 PM
Last Modified	Nov 20, 2012 3:05:01 PM

## Summary

Name	Documentation
BookingService	
ReservationDAO	
ActivityDAO	
MemberDAO	
RegisterService	
ActivityType	
Member	
Reservation	
Activity	
ActivityPlace	
Equipment	
AccountDAO	
Receptionist	

 Trainer	
 EquipmentManager	
 Account	
 Payment	
 EconomicSystem	
 Manager	
 Employee	

## Details



---

### BookingService


Name	Value
Author	jsenko
Create Date Time	Nov 20, 2012 3:02:19 PM
Last Modified	Nov 20, 2012 3:02:45 PM
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Leaf	false
Root	false



# Operations

public bookActivity (member : Member, activity : Activity, time) : Reservation		
Parameters	<b>member</b>	
	Author	jsenko
	Create Date Time	Nov 20, 2012 3:02:41 PM
	Last Modified	Nov 20, 2012 3:02:45 PM
	Multiplicity	Unspecified
	Type	 Member
	Direction	inout
	<b>activity</b>	
	Author	jsenko
	Create Date Time	Nov 20, 2012 3:02:41 PM
	Last Modified	Nov 20, 2012 3:02:45 PM
	Multiplicity	Unspecified
	Type	 Activity
	Direction	inout
	<b>time</b>	
	Author	jsenko
	Create Date Time	Nov 20, 2012 3:02:41 PM
	Last Modified	Nov 20, 2012 3:02:45 PM
	Multiplicity	Unspecified
	Direction	inout
Author	jsenko	
Create Date Time	Nov 20, 2012 3:02:36 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

## ReservationDAO

Name	Value	
Transit To	 reservationDAO	
Author	jsenko	
Create Date Time	Oct 25, 2012 6:30:37 PM	
Last Modified	Nov 15, 2012 7:10:23 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Operations

public create ()	
Transit To	→ N/A (Member -> reservationDAO)
Author	jsenko
Create Date Time	Oct 25, 2012 6:44:36 PM
Last Modified	Nov 15, 2012 7:10:23 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public update ()	
Author	jsenko
Create Date Time	Oct 25, 2012 6:45:09 PM
Last Modified	Oct 25, 2012 6:58:29 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


public delete ()	
Author	jsenko
Create Date Time	Oct 25, 2012 6:46:45 PM
Last Modified	Oct 25, 2012 6:58:29 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public findReservation ()	
Author	jsenko
Create Date Time	Oct 25, 2012 6:50:10 PM
Last Modified	Oct 25, 2012 6:58:29 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Usage	
To	 <a href="#">Reservation</a>
Author	jsenko
Create Date Time	Oct 25, 2012 6:30:55 PM
Last Modified	Oct 25, 2012 6:37:12 PM
Visibility	Unspecified
Stereotypes	use
Quality Score	Good

## ActivityDAO

Name	Value	
Transit To	 activityDAO	
Author	jsenko	
Create Date Time	Oct 25, 2012 6:31:30 PM	
Last Modified	Nov 15, 2012 7:10:23 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Operations


public create ()	
Author	jsenko
Create Date Time	Oct 25, 2012 6:52:17 PM
Last Modified	Oct 25, 2012 6:58:29 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public update ()	
Author	jsenko
Create Date Time	Oct 25, 2012 6:52:32 PM
Last Modified	Oct 25, 2012 6:58:29 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false



public delete ()	
Author	jsenko
Create Date Time	Oct 25, 2012 6:52:36 PM
Last Modified	Oct 25, 2012 6:58:29 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public findActivity ()	
Transit To	→ N/A (Member -> activityDAO)
Author	jsenko
Create Date Time	Oct 25, 2012 6:52:39 PM
Last Modified	Nov 15, 2012 7:10:23 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


## Relationships


Unnamed Association		
To	Name	Value
	End Model Element	 Activity
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:58:08 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 25, 2012 6:58:08 PM	
Last Modified	Nov 1, 2012 6:39:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	


## MemberDAO

Name	Value	
Transit To	Value	
	 memberDAO	
	 memberDAO	
Author	jsenko	
Create Date Time	Oct 25, 2012 6:29:04 PM	
Last Modified	Nov 15, 2012 6:53:15 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Operations

public create (member : Member)		
Parameters	member	
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:33:51 PM
	Last Modified	Oct 25, 2012 6:37:12 PM
	Multiplicity	Unspecified
	Type	 Member
	Direction	inout
Transit To	→ N/A (<unnamed> -> memberDAO)	
Author	jsenko	
Create Date Time	Oct 25, 2012 6:33:30 PM	
Last Modified	Nov 8, 2012 7:48:03 PM	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

public update (member : Member)		
Parameters	member	
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:34:33 PM
	Last Modified	Oct 25, 2012 6:37:12 PM
	Multiplicity	Unspecified
	Type	 Member
	Direction	inout
Author	jsenko	
Create Date Time	Oct 25, 2012 6:33:51 PM	
Last Modified	Oct 25, 2012 6:37:12 PM	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

public delete (member : Member)		
Parameters	member	
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:35:07 PM
	Last Modified	Oct 25, 2012 6:37:12 PM
	Multiplicity	Unspecified
	Type	 Member
	Direction	inout
Author	jsenko	
Create Date Time	Oct 25, 2012 6:34:47 PM	
Last Modified	Oct 25, 2012 6:37:12 PM	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	




public findAll () : Member	
Author	jsenko
Create Date Time	Oct 25, 2012 6:35:07 PM
Last Modified	Oct 25, 2012 6:37:12 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public findByBraceledId (id)		
Parameters	id	
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:37:17 PM
	Last Modified	Oct 25, 2012 6:47:43 PM
	Multiplicity	Unspecified
	Direction	inout
Author	jsenko	
Create Date Time	Oct 25, 2012 6:35:38 PM	
Last Modified	Oct 25, 2012 6:47:43 PM	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	


public findByICO ()	
Transit To	→ N/A (Member -> memberDAO)
Author	jsenko
Create Date Time	Oct 25, 2012 6:37:17 PM
Last Modified	Nov 15, 2012 6:53:15 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public findByName ()	
Author	jsenko
Create Date Time	Oct 25, 2012 6:43:25 PM
Last Modified	Oct 25, 2012 6:47:43 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Usage	
To	 Member
Author	jsenko
Create Date Time	Oct 25, 2012 6:29:30 PM
Last Modified	Oct 25, 2012 6:37:12 PM
Visibility	Unspecified
Stereotypes	use
Quality Score	Good

## RegisterService

Name	Value	
Transit To	 N/A	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:31:40 PM	
Last Modified	Nov 20, 2012 2:35:07 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Very Bad	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
	Model element without any relationship	Connect model element with relationship

## Operations

public register ()	
Transit To	→ N/A (Non-member -> <unnamed>)
Author	jsenko
Create Date Time	Nov 8, 2012 7:31:51 PM
Last Modified	Nov 8, 2012 7:48:03 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


## ActivityType

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 7:36:49 PM	
Last Modified	Oct 18, 2012 7:42:59 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary



## Attributes

private name			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:38:34 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

## Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 Activity
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:37:07 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:37:07 PM	
Last Modified	Oct 18, 2012 7:42:59 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Member

Name	Value	
Transit To	Value	
	 member	
	 member	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:27:48 PM	
Last Modified	Nov 15, 2012 6:53:15 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Attributes

private ICO			
Author	jsenko		
Create Date Time	Oct 18, 2012 6:33:48 PM		
Last Modified	Oct 18, 2012 6:35:53 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private name			
Author	jsenko		
Create Date Time	Oct 25, 2012 6:41:41 PM		
Last Modified	Oct 25, 2012 6:47:43 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private password			
Author	jsenko		
Create Date Time	Oct 18, 2012 6:33:57 PM		
Last Modified	Oct 18, 2012 6:35:53 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private trial			
Author	jsenko		
Create Date Time	Oct 18, 2012 6:32:30 PM		
Last Modified	Oct 25, 2012 6:47:43 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private braceletId			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:26:03 PM		
Last Modified	Oct 18, 2012 7:27:28 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

## Operations

public setTrialMembership ()	
Transit To	→ N/A (<unnamed> -> member)
Author	jsenko
Create Date Time	Oct 18, 2012 6:36:38 PM
Last Modified	Nov 8, 2012 8:08:11 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


public payForActivity ()	
Author	jsenko
Create Date Time	Oct 18, 2012 6:37:07 PM
Last Modified	Oct 18, 2012 6:45:54 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


public insertMoney ()	
Author	jsenko
Create Date Time	Oct 18, 2012 6:37:20 PM
Last Modified	Oct 18, 2012 6:45:54 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


public setFullMembership ()	
Transit To	→ N/A (<unnamed> -> member)
Author	jsenko
Create Date Time	Nov 8, 2012 8:05:18 PM
Last Modified	Nov 8, 2012 8:08:11 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false




## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Account
	Author	jsenko
	Create Date Time	Oct 18, 2012 6:54:09 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 6:54:09 PM	
Last Modified	Oct 18, 2012 7:16:58 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
To	Name	Value
	End Model Element	 Reservation
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:03:05 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:03:05 PM	
Last Modified	Oct 18, 2012 7:27:27 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Usage	
From	 MemberDAO
Author	jsenko
Create Date Time	Oct 25, 2012 6:29:30 PM
Last Modified	Oct 25, 2012 6:37:12 PM
Visibility	Unspecified
Stereotypes	use
Quality Score	Good


## Reservation

Name	Value	
Transit To	 reservation	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:38:46 PM	
Last Modified	Nov 15, 2012 7:10:23 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## Attributes

private time			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:28:37 PM		
Last Modified	Oct 18, 2012 7:37:28 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


# Operations


public setActivity (activity : Activity)		
Parameters	activity	
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:01:06 PM
	Last Modified	Nov 15, 2012 7:04:11 PM
	Multiplicity	Unspecified
	Type	 Activity
	Direction	inout
Transit To	→ N/A (Member -> reservation)	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:43:40 PM	
Last Modified	Nov 15, 2012 7:10:23 PM	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	


public setTime ()	
Transit To	→ N/A (Member -> reservation)
Author	jsenko
Create Date Time	Nov 15, 2012 6:43:55 PM
Last Modified	Nov 15, 2012 7:10:23 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public setMember (member : Member)		
Parameters	member	
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:00:53 PM
	Last Modified	Nov 15, 2012 7:04:11 PM
	Multiplicity	Unspecified
	Type	 Member
	Direction	inout
Transit To	→ N/A (Member -> reservation)	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:44:09 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Static	false	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Activity
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:42:26 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:42:26 PM	
Last Modified	Oct 20, 2012 8:14:49 AM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:03:05 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	unspecified
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:03:05 PM	
Last Modified	Oct 18, 2012 7:27:27 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Usage	
From	 ReservationDAO
Author	jsenko
Create Date Time	Oct 25, 2012 6:30:55 PM
Last Modified	Oct 25, 2012 6:37:12 PM
Visibility	Unspecified
Stereotypes	use
Quality Score	Good

## Activity

Name	Value	
Transit To	 activity	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:38:36 PM	
Last Modified	Nov 15, 2012 6:53:15 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Attributes

private description			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:29:57 PM		
Last Modified	Oct 18, 2012 7:37:28 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		



private cost			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:30:01 PM		
Last Modified	Oct 18, 2012 7:37:28 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


private timetable			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:30:04 PM		
Last Modified	Oct 18, 2012 7:37:28 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


private members			
Author	jsenko		
Create Date Time	Oct 23, 2012 1:02:41 PM		
Last Modified	Oct 23, 2012 1:04:13 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


## Operations


public changeTimetable ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:31:55 AM
Last Modified	Oct 20, 2012 8:34:51 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 ActivityType
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:37:07 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:37:07 PM	
Last Modified	Oct 18, 2012 7:42:59 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
To	Name	Value
	End Model Element	 <a href="#">Trainer</a>
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:27:00 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 25, 2012 6:27:00 PM	
Last Modified	Oct 25, 2012 6:37:12 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 ActivityPlace
	Author	jsenko
	Create Date Time	Oct 18, 2012 6:55:08 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 6:55:08 PM	
Last Modified	Oct 18, 2012 7:42:59 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 Reservation
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:42:26 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:42:26 PM	
Last Modified	Oct 20, 2012 8:14:49 AM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 ActivityDAO
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:58:08 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 25, 2012 6:58:08 PM	
Last Modified	Nov 1, 2012 6:39:11 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## ActivityPlace

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:39:40 PM	
Last Modified	Nov 1, 2012 7:25:56 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

# Attributes

private name			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:38:57 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private location			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:39:00 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private capacity			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:39:17 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


private availability			
Author	Peter		
Create Date Time	Oct 20, 2012 8:09:23 AM		
Last Modified	Oct 20, 2012 8:14:49 AM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


## Operations

public checkIfAvailable ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:29:25 AM
Last Modified	Oct 20, 2012 8:34:51 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false



## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Activity
	Author	jsenko
	Create Date Time	Oct 18, 2012 6:55:08 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 6:55:08 PM	
Last Modified	Oct 18, 2012 7:42:59 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 Equipment
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:01:40 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:01:40 PM	
Last Modified	Oct 18, 2012 7:27:27 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Equipment

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:41:12 PM	
Last Modified	Oct 23, 2012 1:11:18 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Attributes

private name			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:39:31 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private cost			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:39:34 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private count			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:39:36 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private forHire			
Author	jsenko		
Create Date Time	Oct 23, 2012 1:06:08 PM		
Last Modified	Oct 23, 2012 1:11:18 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


## Operations


public addEquipment ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:28:07 AM
Last Modified	Oct 20, 2012 8:34:51 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public newEquipment ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:28:13 AM
Last Modified	Oct 20, 2012 8:34:51 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


public hire ()	
Author	jsenko
Create Date Time	Oct 23, 2012 1:06:25 PM
Last Modified	Oct 23, 2012 1:11:18 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 ActivityPlace
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:01:40 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	unspecified
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:01:40 PM	
Last Modified	Oct 18, 2012 7:27:27 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
To	Name	Value
	End Model Element	 EquipmentManager
	Author	jsenko
	Create Date Time	Oct 23, 2012 1:07:06 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	unspecified
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 23, 2012 1:07:06 PM	
Last Modified	Oct 25, 2012 6:16:05 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## AccountDAO

Name	Value	
Transit To	 <a href="#">accountDAO</a>	
Author	jsenko	
Create Date Time	Oct 25, 2012 6:29:55 PM	
Last Modified	Nov 15, 2012 7:10:23 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Relationships

Unnamed Usage	
To	 <a href="#">Account</a>
Author	jsenko
Create Date Time	Oct 25, 2012 6:30:17 PM
Last Modified	Oct 25, 2012 6:37:12 PM
Visibility	Unspecified
Stereotypes	use
Quality Score	Good

## Receptionist

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:46:49 PM	
Last Modified	Nov 8, 2012 7:08:41 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Operations

public registerMember ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:32:59 AM
Last Modified	Oct 20, 2012 8:34:51 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Generalization	
From	 Employee
Author	jsenko
Create Date Time	Oct 18, 2012 6:47:51 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified

## Trainer

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:46:18 PM	
Last Modified	Oct 25, 2012 6:37:12 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary



## Attributes


private groupsToTrain			
Author	Peter		
Create Date Time	Oct 20, 2012 8:38:50 AM		
Last Modified	Oct 23, 2012 1:01:43 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

## Operations

public trainGroup ()	
Author	jsenko
Create Date Time	Oct 23, 2012 1:04:44 PM
Last Modified	Oct 23, 2012 1:11:18 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Generalization	
From	 Employee
Author	jsenko
Create Date Time	Oct 18, 2012 6:47:47 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified

Unnamed Association		
From	Name	Value
	End Model Element	 Activity
	Author	jsenko
	Create Date Time	Oct 25, 2012 6:27:00 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 25, 2012 6:27:00 PM	
Last Modified	Oct 25, 2012 6:37:12 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## EquipmentManager

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:47:10 PM	
Last Modified	Oct 23, 2012 1:11:18 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Attributes

private activityToManage			
Author	Peter		
Create Date Time	Oct 20, 2012 8:34:36 AM		
Last Modified	Oct 20, 2012 8:41:46 AM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


private equipmentToManage			
Author	jsenko		
Create Date Time	Oct 23, 2012 1:06:47 PM		
Last Modified	Oct 23, 2012 1:11:18 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

## Operations


public buyEquipment ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:33:57 AM
Last Modified	Oct 20, 2012 8:34:51 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

# Relationships

Unnamed Generalization	
From	 Employee
Author	jsenko
Create Date Time	Oct 18, 2012 6:48:01 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified

Unnamed Association		
From	Name	Value
	End Model Element	 Equipment
	Author	jsenko
	Create Date Time	Oct 23, 2012 1:07:06 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 23, 2012 1:07:06 PM	
Last Modified	Oct 25, 2012 6:16:05 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Account

Name	Value	
Transit To	 account	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:39:24 PM	
Last Modified	Nov 8, 2012 7:08:41 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Attributes


private balance			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:27:28 PM		
Last Modified	Oct 18, 2012 7:37:28 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


## Operations


public makeTransaction ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:21:29 AM
Last Modified	Oct 20, 2012 8:24:50 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false


public makeAllTransaction ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:21:41 AM
Last Modified	Oct 20, 2012 8:24:50 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 EconomicSystem
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:05:00 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	unspecified
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:05:00 PM	
Last Modified	Oct 18, 2012 7:16:58 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
To	Name	Value
	End Model Element	 <a href="#">Payment</a>
	Author	jsenko
	Create Date Time	Oct 18, 2012 6:54:34 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	unspecified
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 6:54:34 PM	
Last Modified	Oct 18, 2012 7:42:59 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Oct 18, 2012 6:54:09 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	unspecified
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 6:54:09 PM	
Last Modified	Oct 18, 2012 7:16:58 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Usage	
From	 AccountDAO
Author	jsenko
Create Date Time	Oct 25, 2012 6:30:17 PM
Last Modified	Oct 25, 2012 6:37:12 PM
Visibility	Unspecified
Stereotypes	use
Quality Score	Good



## Payment

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:39:13 PM	
Last Modified	Oct 20, 2012 8:24:50 AM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Attributes

private time			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:39:55 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private amount			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:40:00 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		


private type			
Author	jsenko		
Create Date Time	Oct 18, 2012 7:40:05 PM		
Last Modified	Oct 18, 2012 7:42:59 PM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

## Operations

public addMoney ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:22:13 AM
Last Modified	Oct 20, 2012 8:24:50 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public payForActivity ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:22:35 AM
Last Modified	Oct 20, 2012 8:24:50 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Association		
From	Name	Value
	End Model Element	 Account
	Author	jsenko
	Create Date Time	Oct 18, 2012 6:54:34 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	unspecified
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 6:54:34 PM	
Last Modified	Oct 18, 2012 7:42:59 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## EconomicSystem


Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:42:40 PM	
Last Modified	Oct 23, 2012 1:11:18 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## Operations

public insertFinancialInfo ()	
Author	jsenko
Create Date Time	Oct 23, 2012 1:08:21 PM
Last Modified	Oct 23, 2012 1:11:18 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

public printReport ()	
Author	jsenko
Create Date Time	Oct 23, 2012 1:09:24 PM
Last Modified	Oct 23, 2012 1:11:18 PM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Manager
	Author	jsenko
	Create Date Time	Oct 23, 2012 1:08:15 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 23, 2012 1:08:15 PM	
Last Modified	Oct 25, 2012 6:16:05 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

Unnamed Association		
From	Name	Value
	End Model Element	 Account
	Author	jsenko
	Create Date Time	Oct 18, 2012 7:05:00 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	0..*
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 18, 2012 7:05:00 PM	
Last Modified	Oct 18, 2012 7:16:58 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Manager

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:42:15 PM	
Last Modified	Oct 23, 2012 1:11:18 PM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Attributes


private listOfComplaint			
Author	Peter		
Create Date Time	Oct 20, 2012 8:40:31 AM		
Last Modified	Oct 20, 2012 8:41:46 AM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

## Operations

public manageList ()	
Author	Peter
Create Date Time	Oct 20, 2012 8:41:17 AM
Last Modified	Oct 20, 2012 8:41:46 AM
Static	false
Leaf	false
Ordered	false
Unique	true
Query	false

## Relationships

Unnamed Generalization	
From	 Employee
Author	jsenko
Create Date Time	Oct 18, 2012 6:47:32 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified

Unnamed Association		
From	Name	Value
	End Model Element	 EconomicSystem
	Author	jsenko
	Create Date Time	Oct 23, 2012 1:08:15 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	1
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
	Derived Union	false
	Read Only	false
	Static	false
	Leaf	false
Author	jsenko	
Create Date Time	Oct 23, 2012 1:08:15 PM	
Last Modified	Oct 25, 2012 6:16:05 PM	
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	
Derived	false	

## Employee

Name	Value	
Author	jsenko	
Create Date Time	Oct 18, 2012 6:42:53 PM	
Last Modified	Oct 20, 2012 8:34:51 AM	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary



## Attributes


private salary			
Author	Peter		
Create Date Time	Oct 20, 2012 8:32:25 AM		
Last Modified	Oct 20, 2012 8:34:51 AM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

private workingTime			
Author	Peter		
Create Date Time	Oct 20, 2012 8:32:29 AM		
Last Modified	Oct 20, 2012 8:34:51 AM		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Leaf	false		

## Relationships

Unnamed Generalization	
To	 Manager
Author	jsenko
Create Date Time	Oct 18, 2012 6:47:32 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified

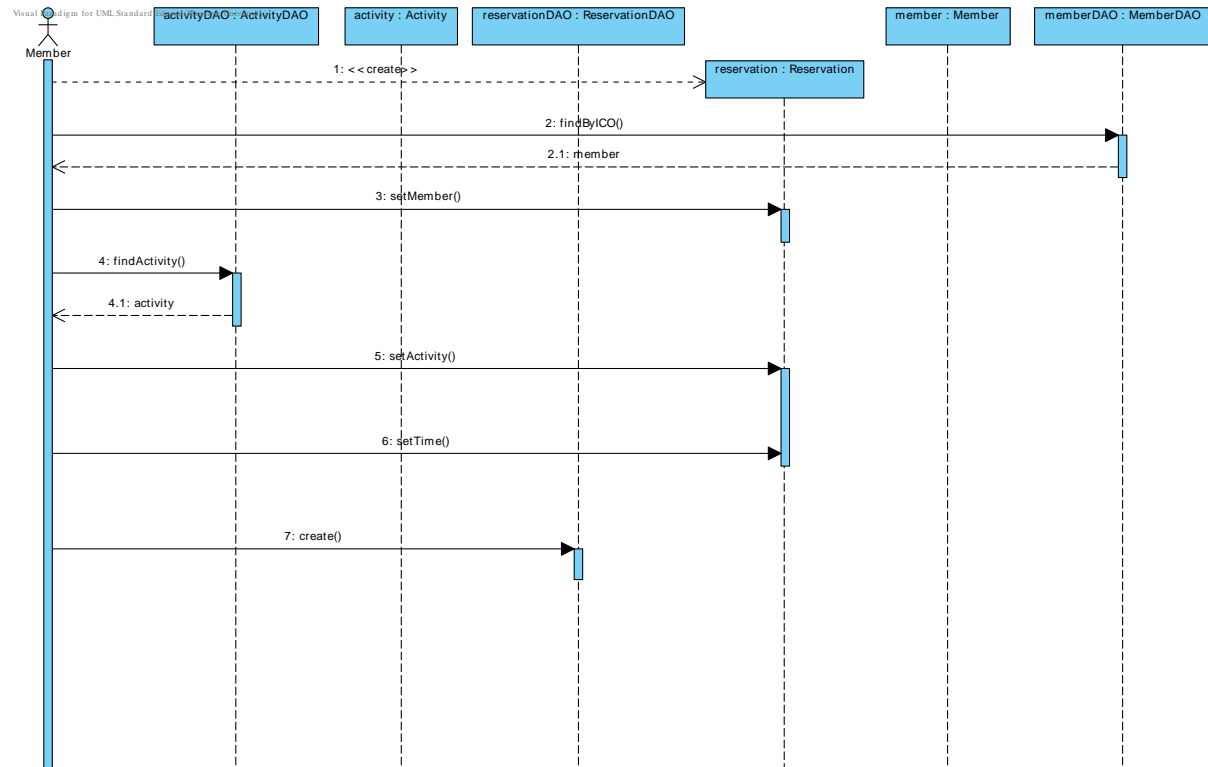
Unnamed Generalization	
To	 <a href="#">Trainer</a>
Author	jsenko
Create Date Time	Oct 18, 2012 6:47:47 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified

Unnamed Generalization	
To	 <a href="#">Receptionist</a>
Author	jsenko
Create Date Time	Oct 18, 2012 6:47:51 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified

Unnamed Generalization	
To	 <a href="#">EquipmentManager</a>
Author	jsenko
Create Date Time	Oct 18, 2012 6:48:01 PM
Last Modified	Oct 18, 2012 6:56:31 PM
Quality Score	Good
Substitutable	false
Visibility	Unspecified








## Sequence Diagram

# Book up an activity




Name	Value
Name	Book up an activity
Author	jsenko
Create Date Time	Nov 15, 2012 6:40:32 PM
Last Modified	Nov 20, 2012 2:55:03 PM

## Summary


Name	Documentation
 Member	
 reservation : Reservation	
 memberDAO : MemberDAO	
 activityDAO : ActivityDAO	
 reservationDAO : ReservationDAO	
 member : Member	
 activity : Activity	


## Details


## Member


Name	Value	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:40:32 PM	
Last Modified	Nov 15, 2012 7:10:23 PM	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	
Referenced Actor	 Member	


## Relationships

<<create>> : Message		
To	Name	Value
	End Model Element	 reservation
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:49:26 PM
Author	jsenko	
Create Date Time	Nov 15, 2012 6:49:26 PM	
Last Modified	Nov 15, 2012 6:53:15 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Create Message	
Sequence Number	1	
Asynchronous	false	


Unnamed Message		
To	Name	Value
	End Model Element	 memberDAO
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:51:33 PM
Transit From	findByICO	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:51:33 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Quality Score	Good	
Return Message	→ member	
Type	Message	
Sequence Number	2	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:51:33 PM
	Iteration	false
	Asynchronous	false
	Operation	findByICO
	Operation Type	Operation
Asynchronous	false	


Unnamed Message		
To	Name	Value
	End Model Element	 reservation
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:00:04 PM
Transit From	setMember	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:00:04 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Quality Score	Good	
Type	Message	
Sequence Number	3	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:00:04 PM
	Iteration	false
	Asynchronous	false
	Operation	setMember
	Operation Type	Operation
Asynchronous	false	


Unnamed Message		
To	Name	Value
	End Model Element	 activityDAO
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:05:30 PM
Transit From	findActivity	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:05:30 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Return Message	→ activity	
Type	Message	
Sequence Number	4	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:05:30 PM
	Iteration	false
	Asynchronous	false
	Operation	findActivity
	Operation Type	Operation
Asynchronous	false	


Unnamed Message		
To	Name	Value
	End Model Element	 reservation
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:07:49 PM
Transit From	setActivity	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:07:49 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Type	Message	
Sequence Number	5	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:07:49 PM
	Iteration	false
	Asynchronous	false
	Operation	setActivity
	Operation Type	Operation
Asynchronous	false	





Unnamed Message		
To	Name	Value
	End Model Element	 reservation
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:08:56 PM
Transit From	setTime	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:08:56 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Type	Message	
Sequence Number	6	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:08:56 PM
	Iteration	false
	Asynchronous	false
	Operation	setTime
	Operation Type	Operation
Asynchronous	false	

Unnamed Message		
To	Name	Value
	End Model Element	 reservationDAO
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:09:22 PM
Transit From	create	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:09:22 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Type	Message	
Sequence Number	7	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:09:22 PM
	Iteration	false
	Asynchronous	false
	Operation	create
	Operation Type	Operation
Asynchronous	false	


member : Message		
From	Name	Value
	End Model Element	 memberDAO
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:56:54 PM
Author	jsenko	
Create Date Time	Nov 15, 2012 6:56:54 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2.1	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:56:54 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	


activity : Message		
From	Name	Value
	End Model Element	 activityDAO
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:06:18 PM
Author	jsenko	
Create Date Time	Nov 15, 2012 7:06:18 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4.1	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:06:18 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	


## reservation : Reservation


Name	Value	
Transit From	 Reservation	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:47:54 PM	
Last Modified	Nov 15, 2012 7:10:23 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 Reservation	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships

<<create>> : Message		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:49:26 PM
Author	jsenko	
Create Date Time	Nov 15, 2012 6:49:26 PM	
Last Modified	Nov 15, 2012 6:53:15 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Create Message	
Sequence Number	1	
Asynchronous	false	



Unnamed Message		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:00:04 PM
Transit From	setMember	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:00:04 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Quality Score	Good	
Type	Message	
Sequence Number	3	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:00:04 PM
	Iteration	false
	Asynchronous	false
	Operation	setMember
	Operation Type	Operation
Asynchronous	false	

Unnamed Message		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:07:49 PM
Transit From	setActivity	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:07:49 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Type	Message	
Sequence Number	5	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:07:49 PM
	Iteration	false
	Asynchronous	false
	Operation	setActivity
	Operation Type	Operation
Asynchronous	false	


Unnamed Message		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:08:56 PM
Transit From	setTime	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:08:56 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Type	Message	
Sequence Number	6	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:08:56 PM
	Iteration	false
	Asynchronous	false
	Operation	setTime
	Operation Type	Operation
Asynchronous	false	




## memberDAO : MemberDAO

Name	Value	
Transit From	 MemberDAO	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:48:13 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 MemberDAO	
Active	false	
Stopped	false	
Multi Object	false	



## Relationships

member : Message		
To	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:56:54 PM
Author	jsenko	
Create Date Time	Nov 15, 2012 6:56:54 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2.1	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:56:54 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	





Unnamed Message		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:51:33 PM
Transit From	findByICO	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:51:33 PM	
Last Modified	Nov 15, 2012 7:04:11 PM	
Quality Score	Good	
Return Message	→ member	
Type	Message	
Sequence Number	2	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 6:51:33 PM
	Iteration	false
	Asynchronous	false
	Operation	findByICO
	Operation Type	Operation
Asynchronous	false	

## activityDAO : ActivityDAO

Name	Value	
Transit From	 ActivityDAO	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:04:55 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 ActivityDAO	
Active	false	
Stopped	false	
Multi Object	false	



## Relationships

activity : Message		
To	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:06:18 PM
Author	jsenko	
Create Date Time	Nov 15, 2012 7:06:18 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4.1	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:06:18 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	


Unnamed Message		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:05:30 PM
Transit From	findActivity	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:05:30 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Return Message	→ activity	
Type	Message	
Sequence Number	4	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:05:30 PM
	Iteration	false
	Asynchronous	false
	Operation	findActivity
	Operation Type	Operation
Asynchronous	false	



## reservationDAO : ReservationDAO



Name	Value	
Transit From	 ReservationDAO	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:47:43 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 ReservationDAO	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships



Unnamed Message		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:09:22 PM
Transit From	create	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:09:22 PM	
Last Modified	Nov 16, 2012 12:25:13 PM	
Quality Score	Good	
Type	Message	
Sequence Number	7	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 15, 2012 7:09:22 PM
	Iteration	false
	Asynchronous	false
	Operation	create
	Operation Type	Operation
Asynchronous	false	



## member : Member

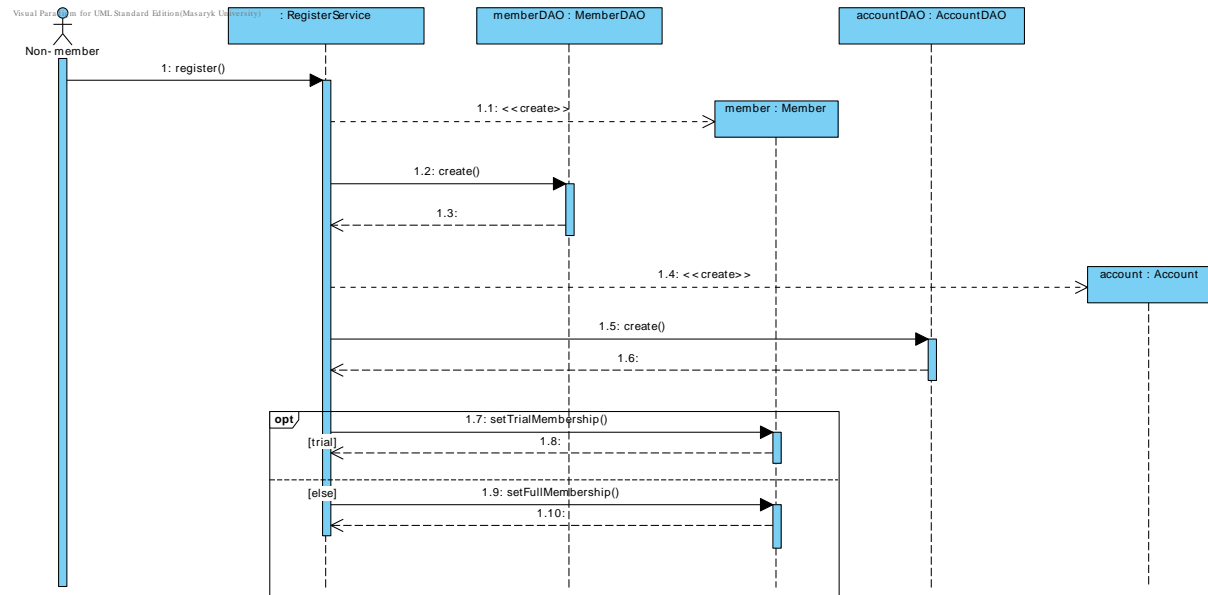
Name	Value	
Transit From	 Member	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:48:02 PM	
Last Modified	Nov 15, 2012 6:53:15 PM	
Quality Score	Very Bad	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
	Model element without any relationship	Connect model element with relationship
Multiplicity	Unspecified	
Base Classifier	 Member	
Active	false	
Stopped	false	
Multi Object	false	

## activity : Activity

Name	Value	
Transit From	 Activity	
Author	jsenko	
Create Date Time	Nov 15, 2012 6:46:48 PM	
Last Modified	Nov 15, 2012 6:53:15 PM	
Quality Score	Very Bad	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
	Model element without any relationship	Connect model element with relationship
Multiplicity	Unspecified	
Base Classifier	 Activity	
Active	false	
Stopped	false	
Multi Object	false	

## Sequence Diagram

# Register into system



Name	Value
Name	Register into system
Author	jsenko
Create Date Time	Nov 8, 2012 6:41:16 PM
Last Modified	Nov 20, 2012 2:46:52 PM

## Summary

Name	Documentation
Non-member	
: RegisterService	
member : Member	
memberDAO : MemberDAO	
account : Account	
accountDAO : AccountDAO	
Operand	
Operand2	
CombinedFragment	

## Details





## Non-member

Name	Value	
Author	jsenko	
Create Date Time	Nov 8, 2012 6:41:16 PM	
Last Modified	Nov 8, 2012 7:48:03 PM	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	
Referenced Actor	Non-member	


## Relationships

Unnamed Message		
To	Name	Value
	End Model Element	N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:19 PM
Transit From	register	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:38:19 PM	
Last Modified	Nov 8, 2012 7:48:03 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:19 PM
	Iteration	false
	Asynchronous	false
	Operation	register
	Operation Type	Operation
Asynchronous	false	


## : RegisterService


Name	Value
Transit From	 RegisterService
Author	jsenko
Create Date Time	Nov 8, 2012 7:37:42 PM
Last Modified	Nov 8, 2012 8:08:11 PM
Quality Score	Good
Multiplicity	Unspecified
Base Classifier	 RegisterService
Active	false
Stopped	false
Multi Object	false


## Relationships


<<create>> : Message		
To	Name	Value
	End Model Element	 account
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:50:15 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:50:15 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Create Message	
Sequence Number	1.4	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:50:15 PM
	Iteration	false
	Asynchronous	false
	Operation Type	Operation
Asynchronous	false	





Unnamed Message		
To	Name	Value
	End Model Element	 member
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:07:20 PM
Transit From	setFullMembership	
Author	jsenko	
Create Date Time	Nov 8, 2012 8:07:20 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Return Message	→ N/A	
Type	Message	
Sequence Number	1.9	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:07:21 PM
	Iteration	false
	Asynchronous	false
	Operation	setFullMembership
	Operation Type	Operation
Asynchronous	false	

Unnamed Message		
To	Name	Value
	End Model Element	 member
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:59:28 PM
Transit From	setTrialMembership	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:59:28 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Return Message	→ N/A	
Type	Message	
Sequence Number	1.7	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:59:28 PM
	Iteration	false
	Asynchronous	false
	Operation	setTrialMembership
	Operation Type	Operation
Asynchronous	false	


create() : Message		
To	Name	Value
	End Model Element	 accountDAO
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:53:28 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:53:28 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Return Message	→ N/A	
Type	Message	
Sequence Number	1.5	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:53:28 PM
	Iteration	false
	Asynchronous	false
	Operation Type	Operation
Asynchronous	false	


<<create>> : Message		
To	Name	Value
	End Model Element	 member
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:55 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:38:55 PM	
Last Modified	Nov 8, 2012 7:48:03 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Create Message	
Sequence Number	1.1	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:55 PM
	Iteration	false
	Asynchronous	false
	Operation Type	Operation
Asynchronous	false	


Unnamed Message		
To	Name	Value
	End Model Element	 memberDAO
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:45:23 PM
Transit From	create	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:45:23 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Good	
Return Message	→ N/A	
Type	Message	
Sequence Number	1.2	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:45:23 PM
	Iteration	false
	Asynchronous	false
	Operation	create
	Operation Type	Operation
Asynchronous	false	

Unnamed Message		
From	Name	Value
	End Model Element	 accountDAO
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:56:00 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:56:00 PM	
Last Modified	Nov 8, 2012 8:08:11 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.6	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:56:00 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	



Unnamed Message		
From	Name	Value
	End Model Element	 memberDAO
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:48:46 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:48:46 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.3	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:48:46 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	

Unnamed Message		
From	Name	Value
	End Model Element	 member
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:06:20 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 8:06:20 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.8	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:06:21 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	


Unnamed Message		
From	Name	Value
	End Model Element	 member
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:08:04 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 8:08:04 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.10	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:08:05 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	

Unnamed Message		
From	Name	Value
	End Model Element	 Non-member
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:19 PM
Transit From	register	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:38:19 PM	
Last Modified	Nov 8, 2012 7:48:03 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:19 PM
	Iteration	false
	Asynchronous	false
	Operation	register
	Operation Type	Operation
Asynchronous	false	


## member : Member


Name	Value	
Transit From	 Member	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:01:31 PM	
Last Modified	Nov 8, 2012 8:08:11 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 Member	
Active	false	
Stopped	false	
Multi Object	false	


## Relationships


Unnamed Message		
To	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:06:20 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 8:06:20 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.8	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:06:21 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	





Unnamed Message		
To	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:08:04 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 8:08:04 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.10	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:08:05 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	

Unnamed Message		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:59:28 PM
Transit From	setTrialMembership	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:59:28 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Return Message	→ N/A	
Type	Message	
Sequence Number	1.7	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:59:28 PM
	Iteration	false
	Asynchronous	false
	Operation	setTrialMembership
Asynchronous	Operation Type	Operation
	false	


<<create>> : Message		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:55 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:38:55 PM	
Last Modified	Nov 8, 2012 7:48:03 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Create Message	
Sequence Number	1.1	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:38:55 PM
	Iteration	false
	Asynchronous	false
	Operation Type	Operation
Asynchronous	false	


Unnamed Message		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:07:20 PM
Transit From	setFullMembership	
Author	jsenko	
Create Date Time	Nov 8, 2012 8:07:20 PM	
Last Modified	Nov 15, 2012 6:42:45 PM	
Quality Score	Good	
Return Message	→ N/A	
Type	Message	
Sequence Number	1.9	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 8:07:21 PM
	Iteration	false
	Asynchronous	false
	Operation	setFullMembership
	Operation Type	Operation
Asynchronous	false	

## memberDAO : MemberDAO



Name	Value	
Transit From	 MemberDAO	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:02:37 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 MemberDAO	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships


Unnamed Message		
To	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:48:46 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:48:46 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.3	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:48:46 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	

Unnamed Message		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:45:23 PM
Transit From	create	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:45:23 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Good	
Return Message	→ N/A	
Type	Message	
Sequence Number	1.2	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:45:23 PM
	Iteration	false
	Asynchronous	false
	Operation	create
	Operation Type	Operation
Asynchronous	false	

## account : Account



Name	Value	
Transit From	 Account	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:01:43 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 Account	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships


<<create>> : Message		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:50:15 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:50:15 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Create Message	
Sequence Number	1.4	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:50:15 PM
	Iteration	false
	Asynchronous	false
	Operation Type	Operation
Asynchronous	false	




## accountDAO : AccountDAO

Name	Value	
Transit From	 AccountDAO	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:02:47 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	 AccountDAO	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships

Unnamed Message		
To	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:56:00 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:56:00 PM	
Last Modified	Nov 8, 2012 8:08:11 PM	
Quality Score	Good	
Type	Message	
Sequence Number	1.6	
Action Type	Name	Value
	Name	Return
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:56:00 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	

create() : Message		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:53:28 PM
Author	jsenko	
Create Date Time	Nov 8, 2012 7:53:28 PM	
Last Modified	Nov 8, 2012 7:56:17 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Return Message	→ N/A	
Type	Message	
Sequence Number	1.5	
Action Type	Name	Value
	Name	Call
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:53:28 PM
	Iteration	false
	Asynchronous	false
	Operation Type	Operation
Asynchronous	false	



## Operand

Name	Value	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:57:02 PM	
Last Modified	Nov 8, 2012 8:08:11 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:57:02 PM
	Constraint	trial





## Operand2

Name	Value	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:57:02 PM	
Last Modified	Nov 8, 2012 8:08:11 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Guard	Name	Value
	Author	jsenko
	Create Date Time	Nov 8, 2012 7:57:02 PM
	Constraint	else






## CombinedFragment

Name	Value	
Author	jsenko	
Create Date Time	Nov 8, 2012 7:57:01 PM	
Last Modified	Nov 8, 2012 8:08:11 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Operator Kind	opt	

## Interaction Operands

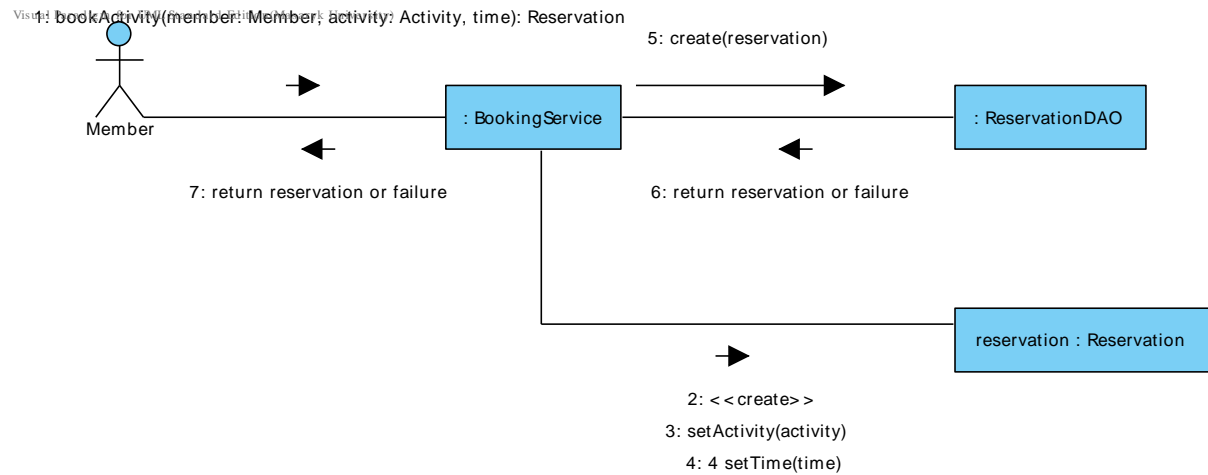
Value
Operand
Operand2

## Covered LifeLines

Name	Documentation
 memberDAO	
 member	
 N/A	

## Communication Diagram

# Book up an activity



Name	Value
Name	Book up an activity
Author	jsenko
Create Date Time	Nov 15, 2012 7:10:59 PM
Last Modified	Nov 20, 2012 3:02:11 PM

## Summary


Name	Documentation
Member	
bookActivity(member: Member, activity: Activity, time): Reservation	
: BookingService	
<<create>>	
reservation : Reservation	
setActivity(activity)	
4 setTime(time)	
create(reservation)	
: ReservationDAO	
return reservation or failure	
return reservation or failure	

## Details



## Member

Name	Value	
Author	jsenko	
Create Date Time	Nov 15, 2012 7:15:52 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	

## Relationships

Unnamed Link		
To	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 20, 2012 2:42:36 PM
	Multiplicity	Unspecified
Author	jsenko	
Create Date Time	Nov 20, 2012 2:42:36 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Good	


## →bookActivity(member: Member, activity: Activity, time): Reservation


Name	Value	
End Relationship From Meta Model Element	 Member	
End Relationship To Meta Model Element	 N/A	
Author	jsenko	
Create Date Time	Nov 20, 2012 2:43:39 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1	
Asynchronous	false	


## : BookingService

Name	Value
Author	jsenko
Create Date Time	Nov 20, 2012 2:41:53 PM
Last Modified	Nov 20, 2012 3:02:45 PM
Quality Score	Good
Multiplicity	Unspecified
Base Classifier	BookingService
Active	false
Stopped	false
Multi Object	false



## Relationships

Unnamed Link		
To	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 20, 2012 2:42:52 PM
	Multiplicity	Unspecified
Author	jsenko	
Create Date Time	Nov 20, 2012 2:42:52 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Good	

Unnamed Link		
To	Name	Value
	End Model Element	 reservation
	Author	jsenko
	Create Date Time	Nov 20, 2012 2:55:15 PM
	Multiplicity	Unspecified
Author	jsenko	
Create Date Time	Nov 20, 2012 2:55:15 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Good	

Unnamed Link		
From	Name	Value
	End Model Element	 Member
	Author	jsenko
	Create Date Time	Nov 20, 2012 2:42:36 PM
	Multiplicity	Unspecified
Author	jsenko	
Create Date Time	Nov 20, 2012 2:42:36 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Good	


→ <<create>>

Name	Value	
End Relationship From Meta Model Element	 N/A	
End Relationship To Meta Model Element	 reservation	
Author	jsenko	
Create Date Time	Nov 20, 2012 2:55:15 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Self Message	
Sequence Number	2	
Asynchronous	false	



## reservation : Reservation

Name	Value	
Author	jsenko	
Create Date Time	Nov 20, 2012 2:56:58 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Base Classifier	Reservation	
Active	false	
Stopped	false	
Multi Object	false	



## Relationships

Unnamed Link		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 20, 2012 2:55:15 PM
	Multiplicity	Unspecified
Author	jsenko	
Create Date Time	Nov 20, 2012 2:55:15 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Good	



## → setActivity(activity)

Name	Value	
End Relationship From Meta Model Element	 N/A	
End Relationship To Meta Model Element	 reservation	
Author	jsenko	
Create Date Time	Nov 20, 2012 2:58:10 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Asynchronous	false	

## → 4 setTime(time)

Name	Value	
End Relationship From Meta Model Element	 N/A	
End Relationship To Meta Model Element	 reservation	
Author	jsenko	
Create Date Time	Nov 20, 2012 2:58:52 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4	
Asynchronous	false	


## → create(reservation)

Name	Value	
End Relationship From Meta Model Element	 N/A	
End Relationship To Meta Model Element	 N/A	
Author	jsenko	
Create Date Time	Nov 20, 2012 2:59:19 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	5	
Asynchronous	false	

## : ReservationDAO



Name	Value
Author	jsenko
Create Date Time	Nov 15, 2012 7:17:52 PM
Last Modified	Nov 20, 2012 3:02:45 PM
Quality Score	Good
Multiplicity	Unspecified
Base Classifier	ReservationDAO
Active	false
Stopped	false
Multi Object	false

## Relationships



Unnamed Link		
From	Name	Value
	End Model Element	 N/A
	Author	jsenko
	Create Date Time	Nov 20, 2012 2:42:52 PM
	Multiplicity	Unspecified
Author	jsenko	
Create Date Time	Nov 20, 2012 2:42:52 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Good	



## → return reservation or failure

Name	Value	
End Relationship From Meta Model Element	 N/A	
End Relationship To Meta Model Element	 N/A	
Author	jsenko	
Create Date Time	Nov 20, 2012 3:00:13 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	6	
Asynchronous	false	

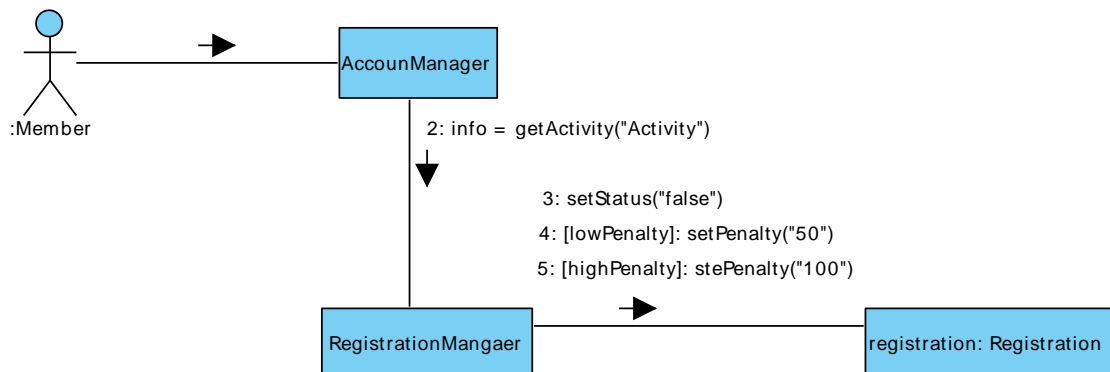
## → return reservation or failure

Name	Value	
End Relationship From Meta Model Element	 N/A	
End Relationship To Meta Model Element	 Member	
Author	jsenko	
Create Date Time	Nov 20, 2012 3:00:58 PM	
Last Modified	Nov 20, 2012 3:02:45 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	7	
Asynchronous	false	

## Communication Diagram

# Cancel activity reservation

Visual Paradigm for UML Standard Edition 2.2.0 (64-bit)



lowPenalty = (info.timeToActivity < 24) && (info.timeToActivity >= 1)  
highPenalty = (info.timeToActivity < 1)

Name	Value
Name	Cancel activity reservation
Author	Peter
Create Date Time	Nov 13, 2012 8:17:05 AM
Last Modified	Nov 20, 2012 2:54:57 PM

## Summary

Name	Documentation
:Member	
unregister("Activity")	
AccountManager	
info = getActivity("Activity")	
RegistrationMangaer	
setStatus("false")	
registration: Registration	
[lowPenalty]: setPenalty("50")	
[highPenalty]: stePenalty("100")	
N/A	lowPenalty = (info.timeToActivity < 24) && (info.timeToActivity >= 1) highPenalty = (info.timeToActivity < 1)

## Details





## :Member

Name	Value	
Author	Peter	
Create Date Time	Nov 13, 2012 8:17:10 AM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Active	false	
Business Model	false	

## Relationships

Unnamed Link		
To	Name	Value
	End Model Element	<a href="#">AccounManager</a>
	Author	Peter
	Create Date Time	Nov 13, 2012 6:46:35 PM
	Multiplicity	Unspecified
Author	Peter	
Create Date Time	Nov 13, 2012 6:46:35 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Good	

## →unregister("Activity")


Name	Value	
End Relationship From Meta Model Element	 :Member	
End Relationship To Meta Model Element	 AccounManager	
Author	Peter	
Create Date Time	Nov 13, 2012 6:46:36 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	1	
Asynchronous	false	




## AccounManager



Name	Value	
Author	Peter	
Create Date Time	Nov 13, 2012 6:46:20 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships

Unnamed Link		
To	Name	Value
	End Model Element	 RegistrationMangaer
	Author	Peter
	Create Date Time	Nov 13, 2012 6:46:57 PM
	Multiplicity	Unspecified
Author	Peter	
Create Date Time	Nov 13, 2012 6:46:57 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Good	

Unnamed Link		
From	Name	Value
	End Model Element	 :Member
	Author	Peter
	Create Date Time	Nov 13, 2012 6:46:35 PM
	Multiplicity	Unspecified
Author	Peter	
Create Date Time	Nov 13, 2012 6:46:35 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Good	


→ info = getActivity("Activity")


Name	Value	
End Relationship From Meta Model Element	 AccounManager	
End Relationship To Meta Model Element	 RegistrationMangaer	
Author	Peter	
Create Date Time	Nov 13, 2012 6:46:57 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	2	
Asynchronous	false	

## RegistrationMangaer



Name	Value	
Author	Peter	
Create Date Time	Nov 13, 2012 8:17:32 AM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships

Unnamed Link		
To	Name	Value
	End Model Element	 registration: Registration
	Author	Peter
	Create Date Time	Nov 13, 2012 6:22:52 PM
	Multiplicity	Unspecified
Author	Peter	
Create Date Time	Nov 13, 2012 6:22:52 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Good	

Unnamed Link		
From	Name	Value
	End Model Element	 AccounManager
	Author	Peter
	Create Date Time	Nov 13, 2012 6:46:57 PM
	Multiplicity	Unspecified
Author	Peter	
Create Date Time	Nov 13, 2012 6:46:57 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Good	


→ **setStatus("false")**

Name	Value	
End Relationship From Meta Model Element	 RegistrationMangaer	
End Relationship To Meta Model Element	 registration: Registration	
Author	Peter	
Create Date Time	Nov 13, 2012 6:22:52 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	3	
Action Type	Name	Value
	Name	Send
	Author	Peter
	Create Date Time	Nov 13, 2012 6:33:07 PM
	Iteration	false
	Asynchronous	false
Asynchronous	false	



 **registration: Registration**

Name	Value	
Author	Peter	
Create Date Time	Nov 13, 2012 8:19:55 AM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	

## Relationships



Unnamed Link		
From	Name	Value
	End Model Element	 RegistrationMangaer
	Author	Peter
	Create Date Time	Nov 13, 2012 6:22:52 PM
	Multiplicity	Unspecified
Author	Peter	
Create Date Time	Nov 13, 2012 6:22:52 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Good	

→[lowPenalty]: setPenalty("50")

Name	Value	
End Relationship From Meta Model Element	 RegistrationMangaer	
End Relationship To Meta Model Element	 registration: Registration	
Author	Peter	
Create Date Time	Nov 13, 2012 6:33:31 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	4	
Asynchronous	false	



→[highPenalty]: stePenalty("100")

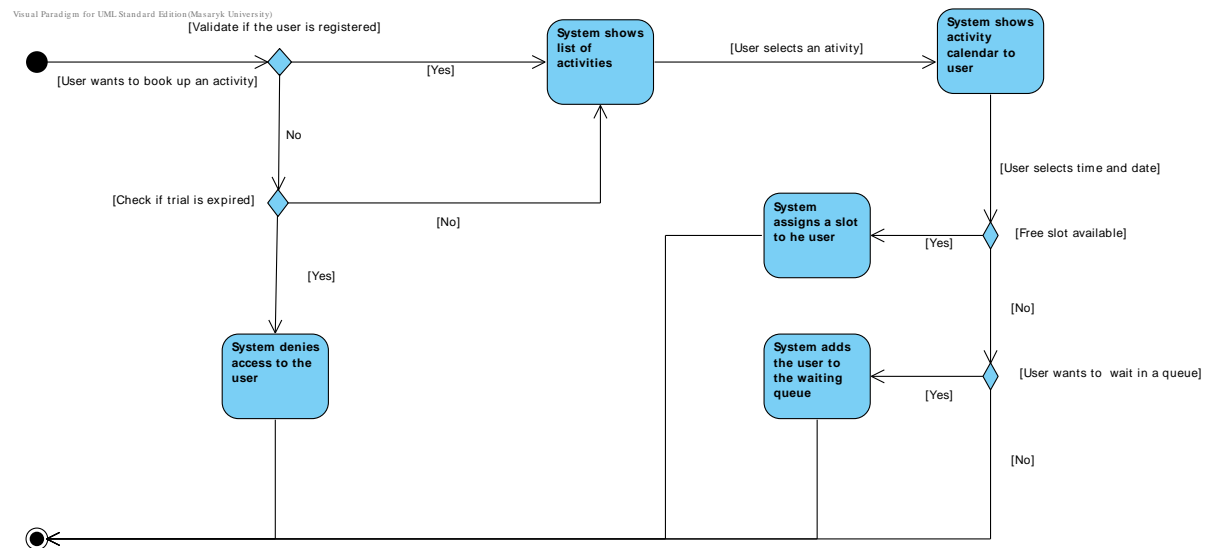
Name	Value	
End Relationship From Meta Model Element	 RegistrationMangaer	
End Relationship To Meta Model Element	 registration: Registration	
Author	Peter	
Create Date Time	Nov 13, 2012 6:36:03 PM	
Last Modified	Nov 20, 2012 2:36:09 PM	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Type	Message	
Sequence Number	5	
Asynchronous	false	

 N/A

Name	Value
Documentation	lowPenalty = (info.timeToActivity <24) && (info.timeToActivity >=1) highPenalty = (info.timeToActivity <1)
Author	Peter
Create Date Time	Nov 13, 2012 6:36:36 PM
Last Modified	Nov 20, 2012 2:36:09 PM
Quality Score	Good

## Activity Diagram

# Book up an activity



Name	Value
Name	Book up an activity
Author	Stefan
Create Date Time	Oct 11, 2012 6:42:16 PM
Last Modified	Nov 8, 2012 7:00:52 PM

## Summary


Name	Documentation
➡ [Validate if the user is registered]	
➡ [Check if trial is expired]	
📄 System denies access to the user	
📄 System shows list of activities	
📄 System shows activity calendar to user	
➡ [Free slot available]	
📄 System assigns a slot to he user	
➡ [User wants to wait in a queue]	
📄 System adds the user to the waiting queue	

## Details

● N/A

Name	Value
Author	Stefan
Create Date Time	Oct 11, 2012 6:52:54 PM
Last Modified	Oct 11, 2012 7:06:59 PM
Must Isolate	false
Leaf	false
Visibility	Unspecified
Quality Score	Good


## Relationships


[User wants to book up an activity] : Control Flow		
To	 [Validate if the user is registered]	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:58:06 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## [Validate if the user is registered]

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:57:02 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Must Isolate	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Relationships

[Yes] : Control Flow		
To	 <a href="#">System shows list of activities</a>	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:59:33 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


No : Control Flow		
To	 <a href="#">[Check if trial is expired]</a>	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:59:41 PM	
Last Modified	Oct 11, 2012 7:06:59 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[User wants to book up an activity] : Control Flow		
From	 <a href="#">N/A</a>	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:58:06 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## [Check if trial is expired]

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:58:11 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Must Isolate	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Relationships

[No] : Control Flow		
To	 System shows list of activities	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:59:48 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

[Yes] : Control Flow		
To	 System denies access to the user	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:02:38 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


No : Control Flow		
From	 [Validate if the user is registered]	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:59:41 PM	
Last Modified	Oct 11, 2012 7:06:59 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary




## System denies access to the user

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:59:57 PM	
Last Modified	Oct 16, 2012 2:23:06 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	

## Relationships


Unnamed Control Flow		
To	 N/A	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:17:08 PM	
Last Modified	Oct 11, 2012 7:19:49 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Good	


[Yes] : Control Flow		
From	 [Check if trial is expired]	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:02:38 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


 **N/A**


Name	Value
Author	Stefan
Create Date Time	Oct 11, 2012 7:03:33 PM
Last Modified	Oct 11, 2012 7:19:49 PM
Must Isolate	false
Leaf	false
Visibility	Unspecified
Quality Score	Good

## Relationships

[No] : Control Flow		
From	 [User wants to wait in a queue]	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:16:06 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

Unnamed Control Flow	
From	 System adds the user to the waiting queue
Author	Stefan
Create Date Time	Oct 11, 2012 7:16:48 PM
Last Modified	Oct 11, 2012 7:19:49 PM
Leaf	false
Visibility	Unspecified
Quality Score	Good

Unnamed Control Flow	
From	 System denies access to the user
Author	Stefan
Create Date Time	Oct 11, 2012 7:17:08 PM
Last Modified	Oct 11, 2012 7:19:49 PM
Leaf	false
Visibility	Unspecified
Quality Score	Good


Unnamed Control Flow	
From	 System assigns a slot to he user
Author	Stefan
Create Date Time	Oct 11, 2012 7:18:54 PM
Last Modified	Oct 16, 2012 2:06:33 PM
Leaf	false
Visibility	Unspecified
Quality Score	Good


## System shows list of activities


Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:58:32 PM	
Last Modified	Oct 11, 2012 7:06:59 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	



## Relationships

[User selects an activity] : Control Flow		
To	 System shows activity calendar to user	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:05:54 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

[Yes] : Control Flow		
From	 [Validate if the user is registered]	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:59:33 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[No] : Control Flow		
From	 [Check if trial is expired]	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:59:48 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary




## System shows activity calendar to user

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:05:25 PM	
Last Modified	Oct 11, 2012 7:16:59 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	

## Relationships


[User selects time and date] : Control Flow		
To	 [Free slot available]	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:08:22 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[User selects an activity] : Control Flow		
From	 System shows list of activities	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:05:54 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## [Free slot available]

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:07:14 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Must Isolate	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Relationships

[Yes] : Control Flow		
To	 System assigns a slot to the user	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:08:59 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[No] : Control Flow		
To	 [User wants to wait in a queue]	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:12:26 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[User selects time and date] : Control Flow		
From	 System shows activity calendar to user	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:08:22 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## System assigns a slot to the user

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:05:35 PM	
Last Modified	Oct 16, 2012 2:23:06 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	

## Relationships


Unnamed Control Flow	
To	 N/A
Author	Stefan
Create Date Time	Oct 11, 2012 7:18:54 PM
Last Modified	Oct 16, 2012 2:06:33 PM
Leaf	false
Visibility	Unspecified
Quality Score	Good


[Yes] : Control Flow		
From	 [Free slot available]	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:08:59 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## [User wants to wait in a queue]

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:10:53 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Must Isolate	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## Relationships

[Yes] : Control Flow		
To	 System adds the user to the waiting queue	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:13:54 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[No] : Control Flow		
To	 N/A	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:16:06 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[No] : Control Flow		
From	 [Free slot available]	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:12:26 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## System adds the user to the waiting queue

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:05:28 PM	
Last Modified	Oct 16, 2012 2:23:06 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	

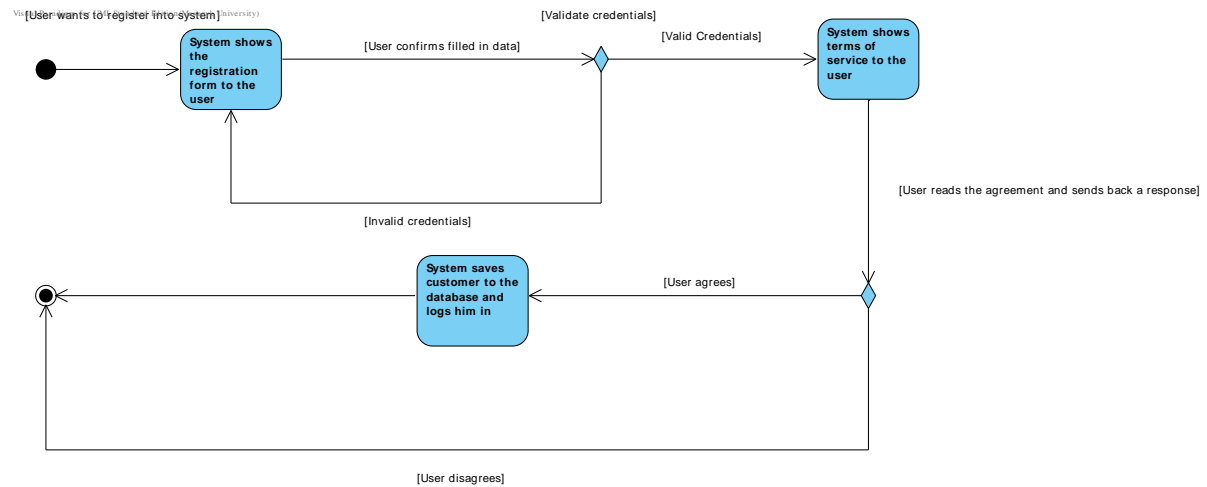
## Relationships

Unnamed Control Flow	
To	 N/A
Author	Stefan
Create Date Time	Oct 11, 2012 7:16:48 PM
Last Modified	Oct 11, 2012 7:19:49 PM
Leaf	false
Visibility	Unspecified
Quality Score	Good

[Yes] : Control Flow		
From	 [User wants to wait in a queue]	
Author	Stefan	
Create Date Time	Oct 11, 2012 7:13:54 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary






## Activity Diagram

# Register into system



Name	Value
Name	Register into system
Author	Stefan
Create Date Time	Oct 11, 2012 6:42:58 PM
Last Modified	Oct 25, 2012 6:14:13 PM

## Summary

Name	Documentation
 System shows the registration form to the user	
 [Validate credentials]	
 System shows terms of service to the user	
 N/A	
 System saves customer to the database and logs him in	


## Details



● N/A

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:34:02 PM	
Last Modified	Oct 11, 2012 6:47:03 PM	
Must Isolate	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container


## Relationships

[User wants to register into system] : Control Flow		
To	 System shows the registration form to the user	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:34:41 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## System shows the registration form to the user

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:34:17 PM	
Last Modified	Oct 16, 2012 2:12:57 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	

## Relationships

[User confirms filled in data] : Control Flow		
To	 [Validate credentials]	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:38:02 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[User wants to register into system] : Control Flow		
From	<input checked="" type="radio"/> N/A	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:34:41 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[Invalid credentials] : Control Flow		
From	 [Validate credentials]	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:46:48 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


## [Validate credentials]

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:36:16 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Must Isolate	false	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Model element at root	Add model element to a container
	Name does not contain glossary terms	Define name as term in glossary

## Relationships

[Invalid credentials] : Control Flow		
To	 System shows the registration form to the user	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:46:48 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[Valid Credentials] : Control Flow		
To	 System shows terms of service to the user	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:48:02 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[User confirms filled in data] : Control Flow		
From	 System shows the registration form to the user	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:38:02 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## System shows terms of service to the user

Name	Value	
Author	jsenko	
Create Date Time	Oct 16, 2012 1:59:57 PM	
Last Modified	Oct 16, 2012 2:12:57 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	

## Relationships


[User reads the agreement and sends back a response] : Control Flow		
To	 N/A	
Author	jsenko	
Create Date Time	Oct 16, 2012 2:07:28 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[Valid Credentials] : Control Flow		
From	 [Validate credentials]	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:48:02 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


 **N/A**

Name	Value
Author	jsenko
Create Date Time	Oct 16, 2012 2:07:16 PM
Last Modified	Oct 16, 2012 2:12:57 PM
Must Isolate	false
Leaf	false
Visibility	Unspecified
Quality Score	Good

## Relationships

[User agrees] : Control Flow		
To	 System saves customer to the database and logs him in	
Author	jsenko	
Create Date Time	Oct 16, 2012 2:07:54 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[User disagrees] : Control Flow		
To	 N/A	
Author	jsenko	
Create Date Time	Oct 16, 2012 2:08:40 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary


[User reads the agreement and sends back a response] : Control Flow		
From	 System shows terms of service to the user	
Author	jsenko	
Create Date Time	Oct 16, 2012 2:07:28 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

## System saves customer to the database and logs him in

Name	Value	
Author	Stefan	
Create Date Time	Oct 11, 2012 6:35:55 PM	
Last Modified	Oct 16, 2012 2:12:57 PM	
Reentrant	false	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary
Single Execution	false	
Read Only	false	
Body Font Size	0	

## Relationships


Unnamed Control Flow	
To	 N/A
Author	jsenko
Create Date Time	Oct 16, 2012 2:08:28 PM
Last Modified	Oct 16, 2012 2:12:57 PM
Leaf	false
Visibility	Unspecified
Quality Score	Good


[User agrees] : Control Flow		
From	 N/A	
Author	jsenko	
Create Date Time	Oct 16, 2012 2:07:54 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary

 N/A

Name	Value
Author	jsenko
Create Date Time	Oct 16, 2012 2:08:13 PM
Last Modified	Oct 16, 2012 2:12:57 PM
Must Isolate	false
Leaf	false
Visibility	Unspecified
Quality Score	Good

## Relationships

Unnamed Control Flow	
From	 System saves customer to the database and logs him in
Author	jsenko
Create Date Time	Oct 16, 2012 2:08:28 PM
Last Modified	Oct 16, 2012 2:12:57 PM
Leaf	false
Visibility	Unspecified
Quality Score	Good

[User disagrees] : Control Flow		
From	 N/A	
Author	jsenko	
Create Date Time	Oct 16, 2012 2:08:40 PM	
Last Modified	Oct 16, 2012 6:21:43 PM	
Leaf	false	
Visibility	Unspecified	
Quality Score	Fair	
Quality Reason	Problem	Suggestion
	Name does not contain glossary terms	Define name as term in glossary