



Gym

Submitted by:

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A project report submitted in a fulfillment of the requirements for the
information systems analysis and design course in computer science and
information technology

Supervised by:

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Chapter 1: introduction

1.1 Overview

We are talking about a complete gym system that make it easier and simpler for both the clients and those who use our system. The system now is more helpful and handy at the process of announcing new offers and registration of new clients and make it more accurate with lower probability of losing data related to clients whether they are new clients or old. Moreover the nomination task now is easy to be carried in small period of time.

1.2 Motivation

At a time like where we live now, where sports has become an essential activity not only for youth but also for elderly. and instead of being concerned how to improve the gym systems people are more concerned with other systems that have been improved to work more efficiently and from here came the idea to modify and update the gym system to help to be more effective and handy to overcome the problems that we were facing at the past.

1.2 Objective

In this part we will describe how the system works, the system is concerned with three points old client, new client and coaches first the new clients enrollment take place by sending an application form to be filled with the required information then allowing the client the choose the suitable offer and generate an ID specific for him depending on the application form and chosen offer, second the old client when the clients asks for member ship renewal the system sends the available offer to pick the suitable one for him and update his ID membership date. Finally the part related with the coaches recruitment the system check whether if there is a vacant place or not in case of having one the coach sends his CV and the system checks if he has the required specifications or not then sending an acceptance letter.

Chapter 2 Planning & Analysis

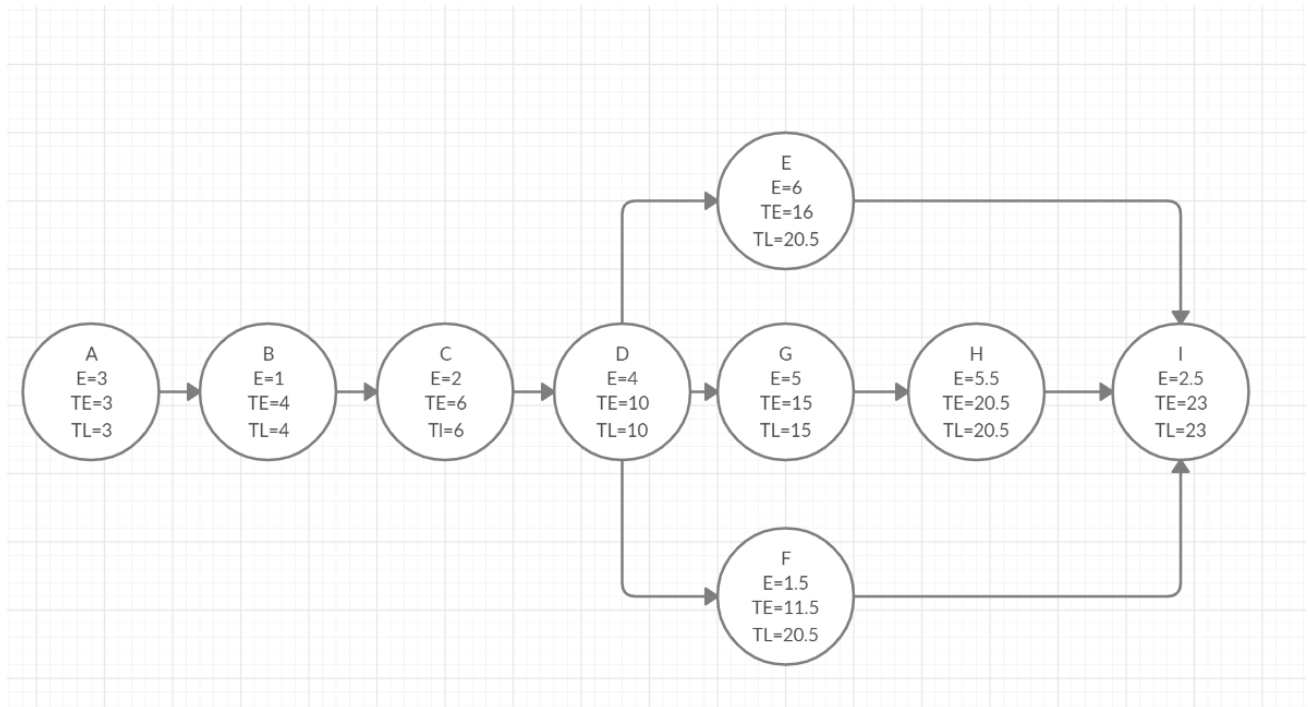
2.1 Planning

2.1.1 Time Estimation

Task	Optimistic Time	Likely Time	Pessimistic Time	Estimated Time= (Optimistic+4*Likely Time+Pessimistic)/6
A	1 Day	2 Days	9 Days	3 Days
B	0.25 Day	0.5 Day	3.75 Days	1 Day
C	1 Day	2 Days	3 Days	2 Days
D	2 Days	4 Days	6 Days	4 Days
E	4 Days	5 Days	12 Days	6 Days
F	0.25 Day	1.5 Days	2.75 Days	1.5 Days
G	4 Days	5 Days	6 Days	5 Days
H	3 Days	5.5 Days	8 Days	5.5 Days
I	1.5 Days	2.5 Days	3.5 Days	2.5 Days

Activity	Description	Predecessors	Estimated Time
A	Requirement Gathering	-----	3 Days
B	Requirement Design	A	1 Day
C	Context	B	2 Days
D	DFD LVL0	C	4 Days
E	DFD LVL1	D	6 Days
F	Process Logic	D	1.5 Days
G	ERD	D	5 Days
H	Input Forms Design	G	5.5 Days
I	Documentation	E,F,H	2.5 Days

2.1.2 PERT Chart



Critical Path:A>B>C>D>G>H>I

SLACK:E,F

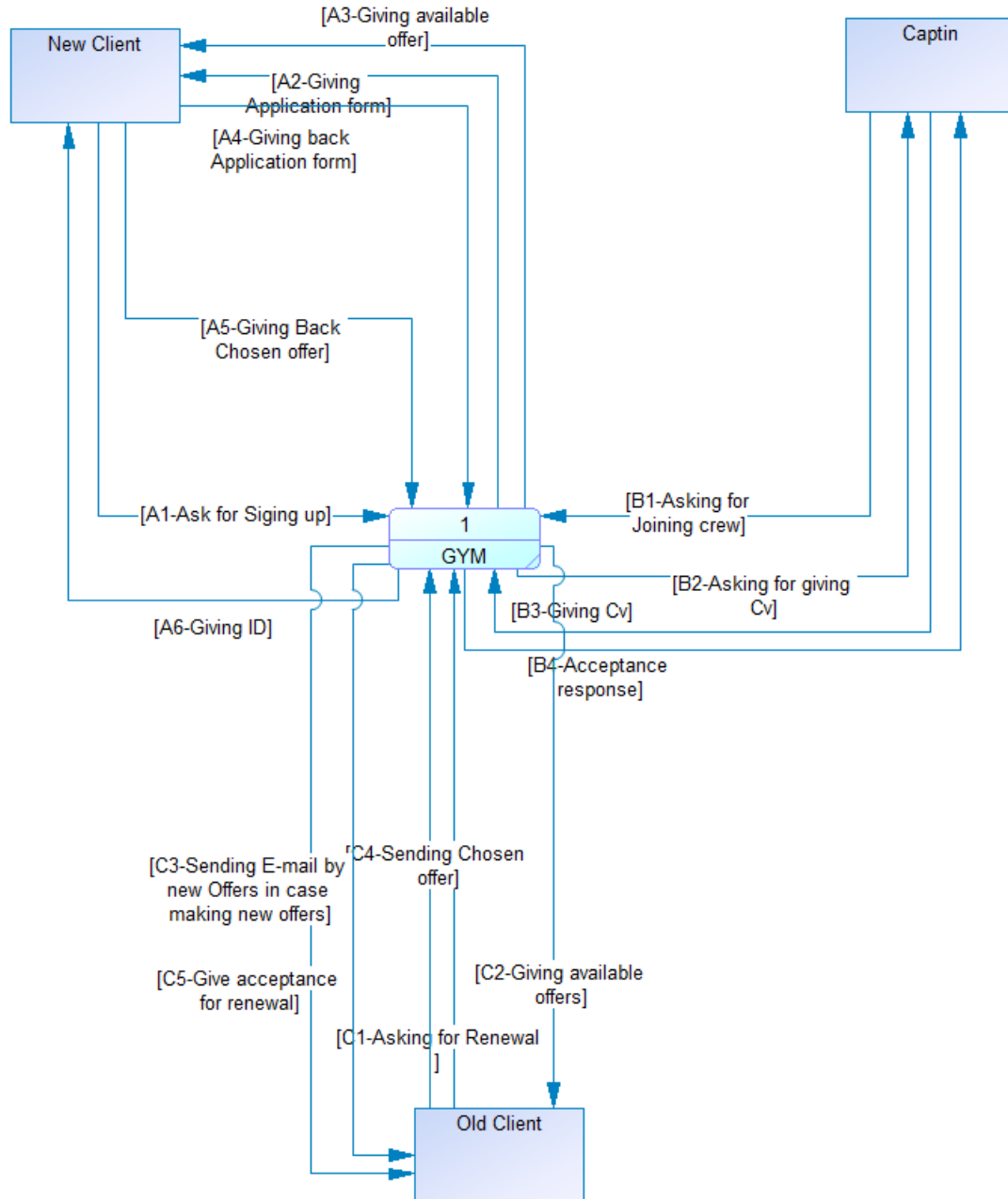
2.2 Requirements Gathering

	Requirement Description	scope	Priority
1	Client's info: take information about clients such as name, address, age etc..	In	High
2	Available packages: shows available packages for the user to choose the proper one	In	High
3	Registration and ID: saves the client's information and generate his ID according to certain way of encryption	In	High
4	Data base: create data base to store information instead of papers	In	High
5	Membership renewal: the client can renew his member ship with the same ID no need to generate a new one	In	High
6	Check for coaches: check if the coaches has the required certificates for the job	In	High
7	Assign coaches: assign coaches according to both coach certificates and client's information	In	High
8	Sending E-mails: send emails for all user found in the system database to inform them with the new offers	In	High
9	The ID stored information: when the employee searches for the id the information in the application, package chosen and expiration date of membership shall appear	In	Low

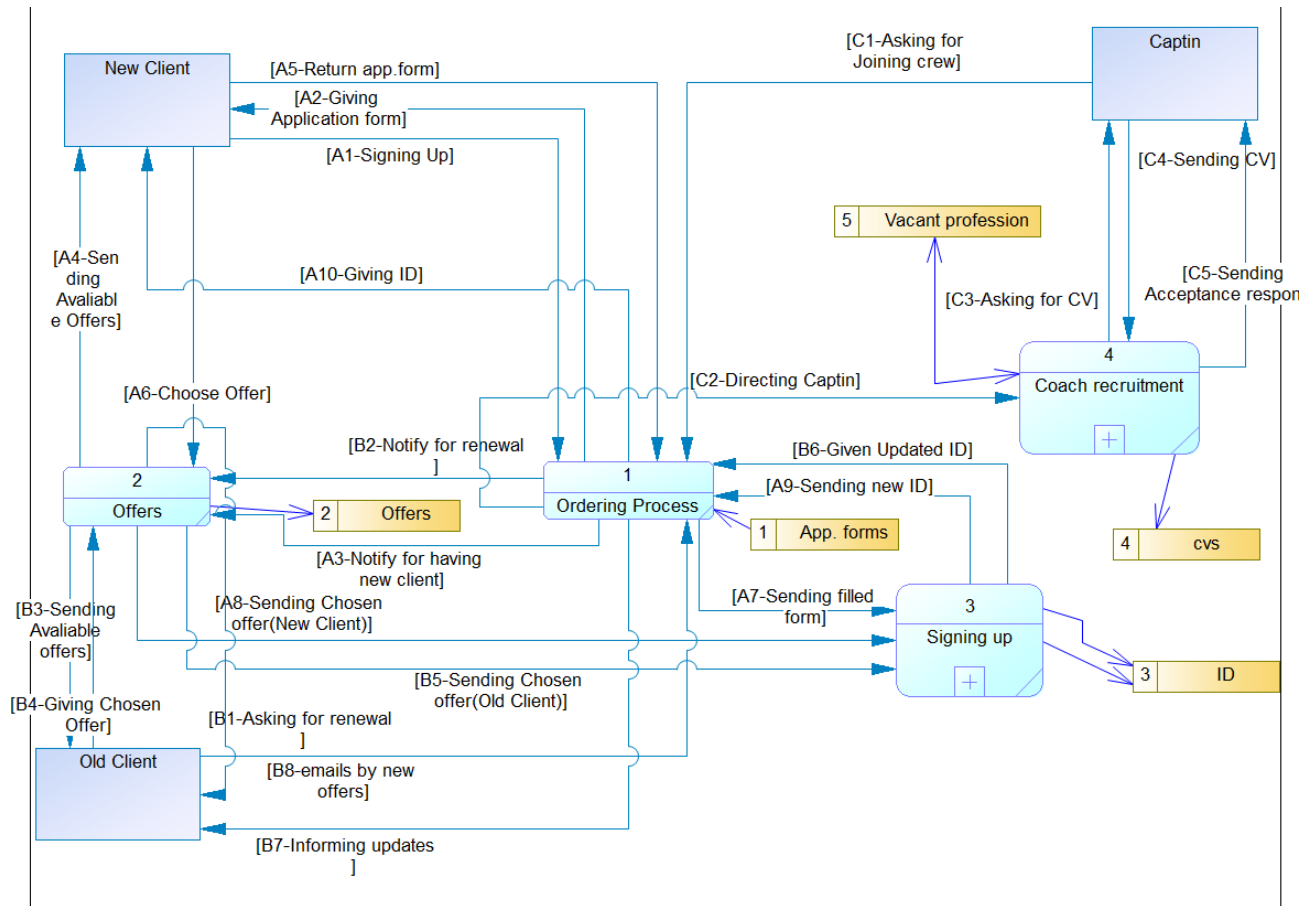
Gym's name	Active fitness gym
Mangers	Bassem,Fady,Tarek
Gym's number	26333099,01017747763

2.3 Systems Analysis

2.3.1 Context Diagram

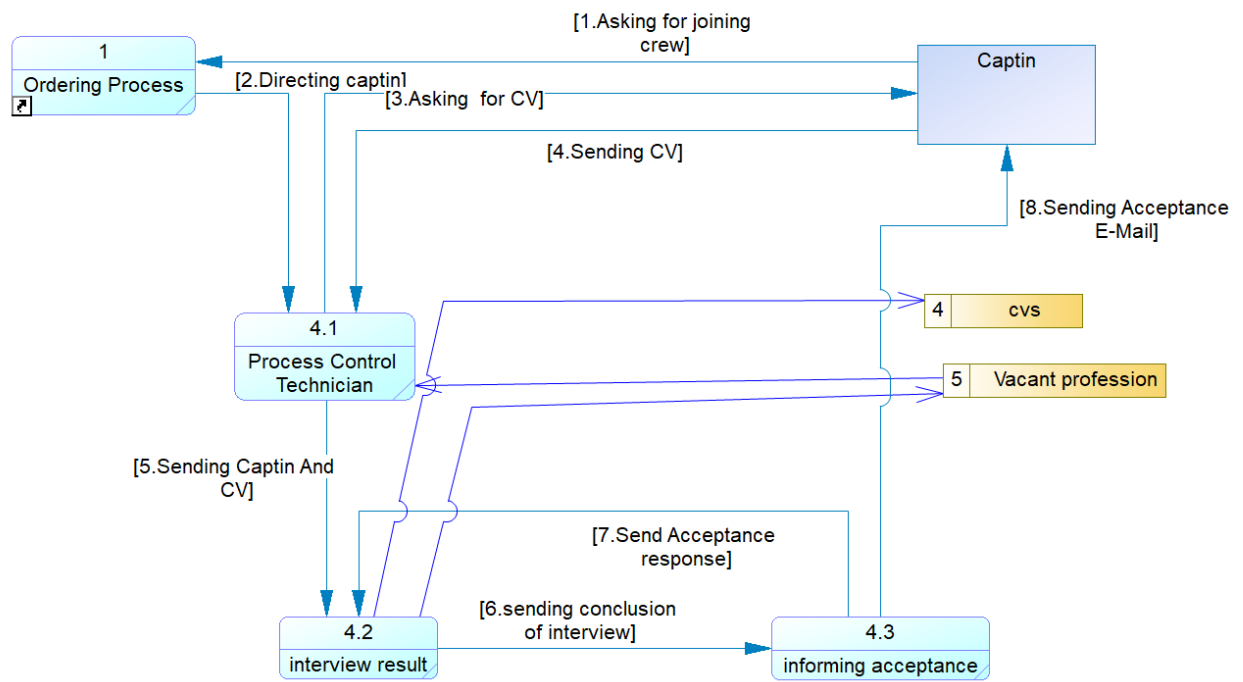


2.3.2 DFD Level-0

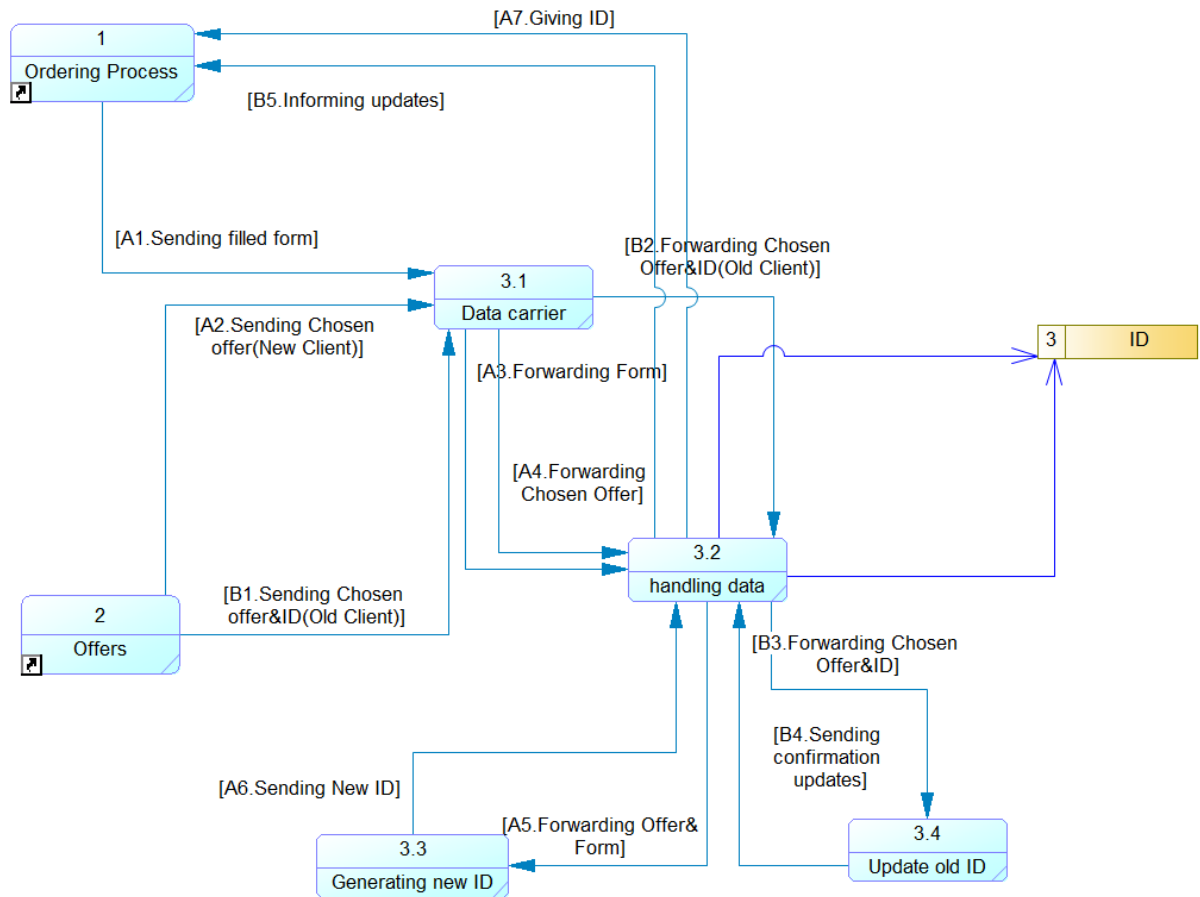


2.3.3 DFD Decomposition

1. Coaching recruitment



2. Signing Up



2.3.4 Process Logic Modeling

1.Signing up

New Client	T	T	F	F
Old Client	T	F	T	F
Actions				
Generate New Id	X	X		
Update Information on old Id	X		X	

Reduced signing up

New Client	T	T	F
Old Client	T	F	T
Actions			
Generate New Id	X	X	
Update Information on old Id	X		X

2.APP. FORM

New Client	T	T	F	F
Old Client	T	F	T	F
Actions				
Give App. form	X	X		
Taking ID	X		X	

Reduced app. form

New Client	T	T	F
Old Client	T	F	T
Actions			
Give App. form	X	X	
Taking ID	X		X

3.Coach recruitment

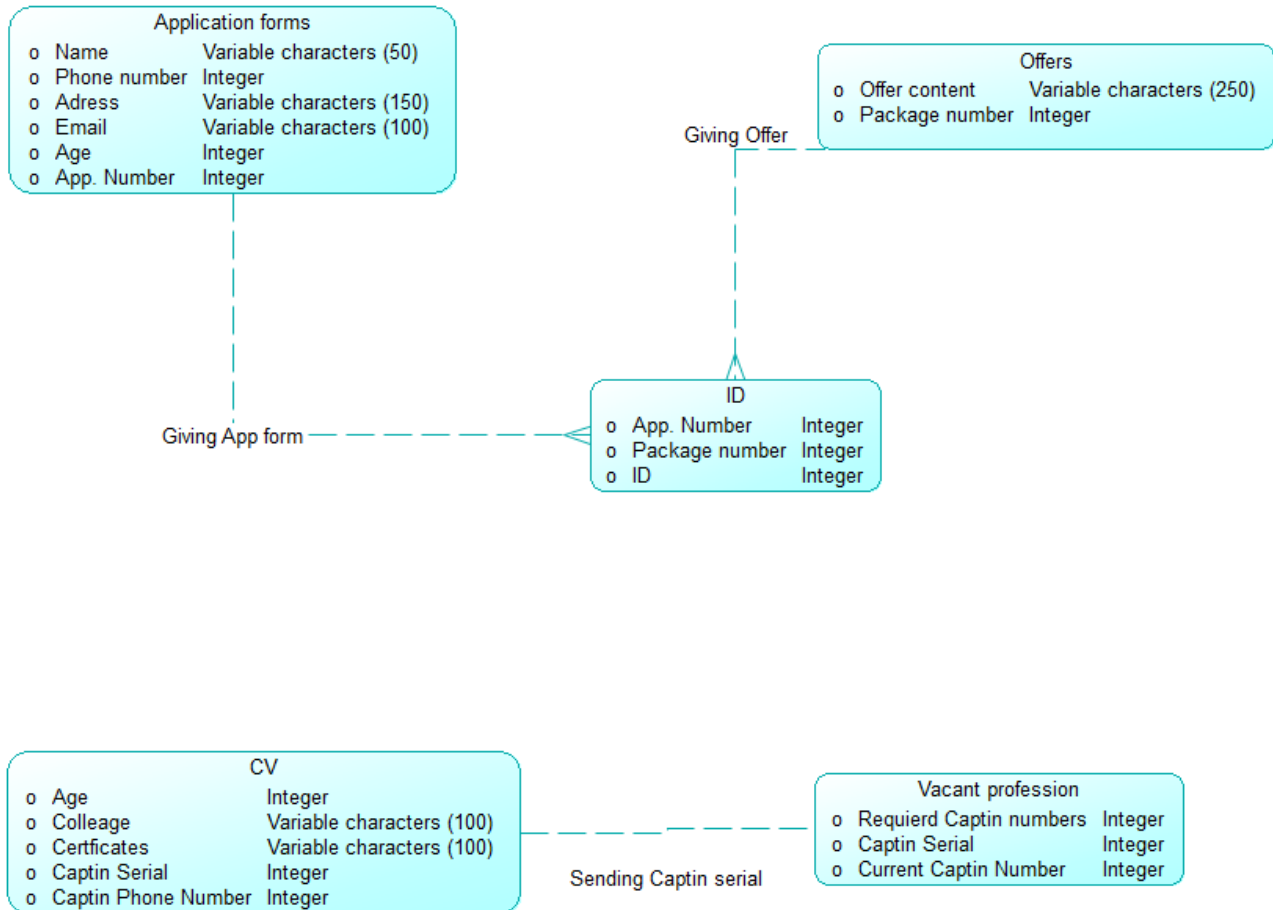
CV Compliance	T	T	T	T	F	F	F	F
Interview Result	T	T	F	F	T	T	F	F
Vacant profession	T	F	T	F	T	F	T	F
Actions								
Acceptance	X							
Refuse		X	X	X	X	X	X	X

2.4 Advantages of new system

We improve the current system by making some modifications and inserting new functions to the present system first we improved the way of communication between the gym and clients from sending email to each client and let him know about the new offers to automatically sending them emails which saved a lot of time, money and effort also the ID is changed from a piece of paper with name and shipment date on it to generating computationally new ID specific to each client that carries all his information and allow modifications on this information also the employment of coaches is now faster as only little part of it is done by human.


Chapter 3: Design

3.1 Design of database ERD



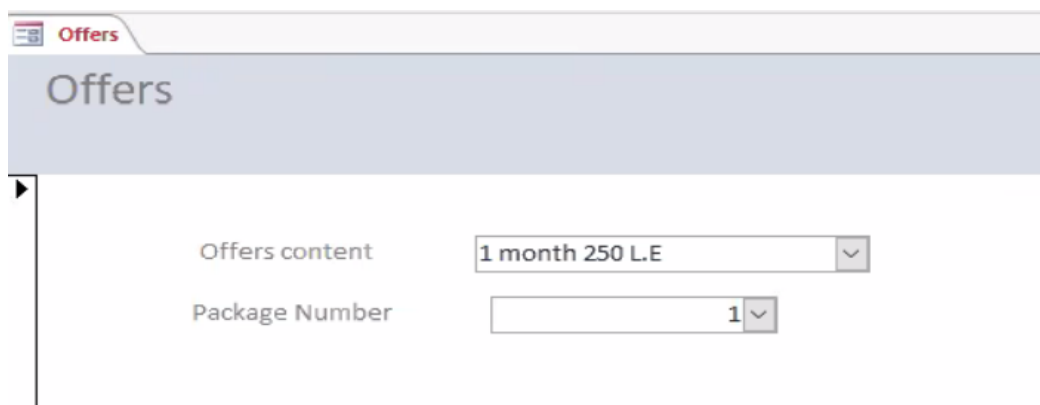
3.2 Input Forms Design

1. Application Form



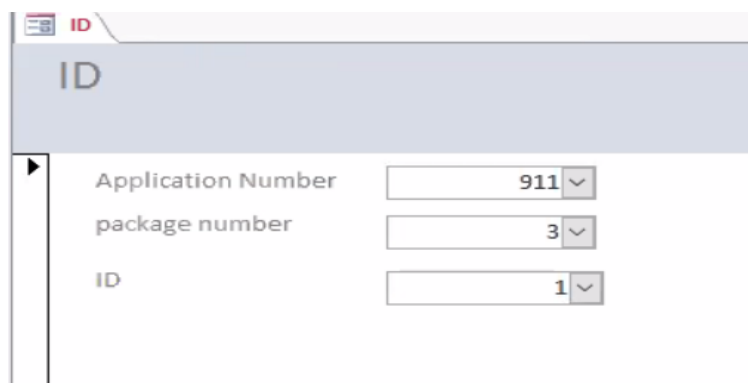
The 'Application Form' UI features a light blue header with the title 'Application Form' and a small icon. Below the header, a vertical sidebar on the left contains a right-pointing arrow. The main form area contains several input fields: 'Client's Name' (a dropdown menu with 'Abdelaziz hussam' selected), 'Client's Phone Number' (a text box with '1111698917'), 'Client's Address' (a text box with 'swesry cairo'), 'Client's Mail' (a text box with 'abdelazeez.hussam@gmail.com'), 'Client's Age' (a text box with '20'), and 'Application Number' (a text box with '312').

2. Offers




The 'Offers' UI features a light blue header with the title 'Offers' and a small icon. Below the header, a vertical sidebar on the left contains a right-pointing arrow. The main form area contains two input fields: 'Offers content' (a dropdown menu with '1 month 250 L.E' selected) and 'Package Number' (a dropdown menu with '1' selected).

3. ID



The 'ID' UI features a light blue header with the title 'ID' and a small icon. Below the header, a vertical sidebar on the left contains a right-pointing arrow. The main form area contains three input fields: 'Application Number' (a dropdown menu with '911' selected), 'package number' (a dropdown menu with '3' selected), and 'ID' (a dropdown menu with '1' selected).

4. CV

 CV

CV

▶

Captin age

25

Collage

Faculty of Education Cairo

Certificate


NASM (National Academy of Sports Medicine)

Captin Serial


1

Captin Name

Ahmed Ali



5. Vacant profession

 Vacant Profession

Vacant Profession

▶

Required Captin Number

35

▼

Captin Serial

1

Current Captin Number

23

3.3 Reports Design

1. Application Form

Application Form					
Client's Name	Phone Number	Client's Address	Client's Mail	Client's Age	Application Number
Ziad Mohamed	1159699441	Nasr Khesro Cairo	zeyadelshaer2231@gn	19	516
Abdelaziz hussam	1111698917	swesry cairo	abdelazeez.hussam@f	20	312
mark fady	1282239598	haram	markfady9@gmail.con	20	911
mohamed mohsen	1152156858	haram	moshen200@gmail.co	19	551
Kareem Tawfek	1159699441	swesry cairo	kareemeid@hotmail.c	20	715

2. Offers

Offers	
Offer's content	Package Number
1 month 250 L.E	1
3 month 400 L.E	2
6 month 650 L.E	3
1 year 1200 L.E	4
2 years 1600 L.E	5

3. ID

ID		
Application Number	package number	ID
911	3	1
312	5	2
551	1	3
715	2	4
516	1	5

4. CV

CV				
Captin age	Collage	Certificate	Captin Serial	Captin Name
25	Faculty of Education Cairo	NASM (National Academy of Sports Medicine)	1	Ahmed Ali
30	Faculty of Education	ISSA (International Sports Sciences Association)	2	taher sadek
26	Faculty of Medicine, Ain Shi	ACE (American Council on Exercise)	3	Hesham Ahmed
22	Faculty Of Commerce	ACSM (American College of Sports Medicine)	4	Abdel-Rhman Tarek
37	Faculty of Education	NSCA (National Strength and Conditioning Association)	5	Youssef wael
40	Faculty of Education Cairo	NASM (National Academy of Sports Medicine)	6	Tamer Taher
0			7	

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Activ

5. Vacant profession

Vacant Profession		
Required Captin Number	Captin Serial	Current Captin Number
35	1	23
35	2	24
35	3	25
35	4	26
35	5	27

Sybase PowerDesigner

Business Process Model Report

Model: IS DFD lvl0

Report: Gym



Author: Zeyad El-shaer

Version:

Date: 5/19/2020

Summary:

Table of Contents

The 'Table of Contents' field needs to be updated!

I Introduction

I.1 Description

I.2 Card of model IS DFD lvl0

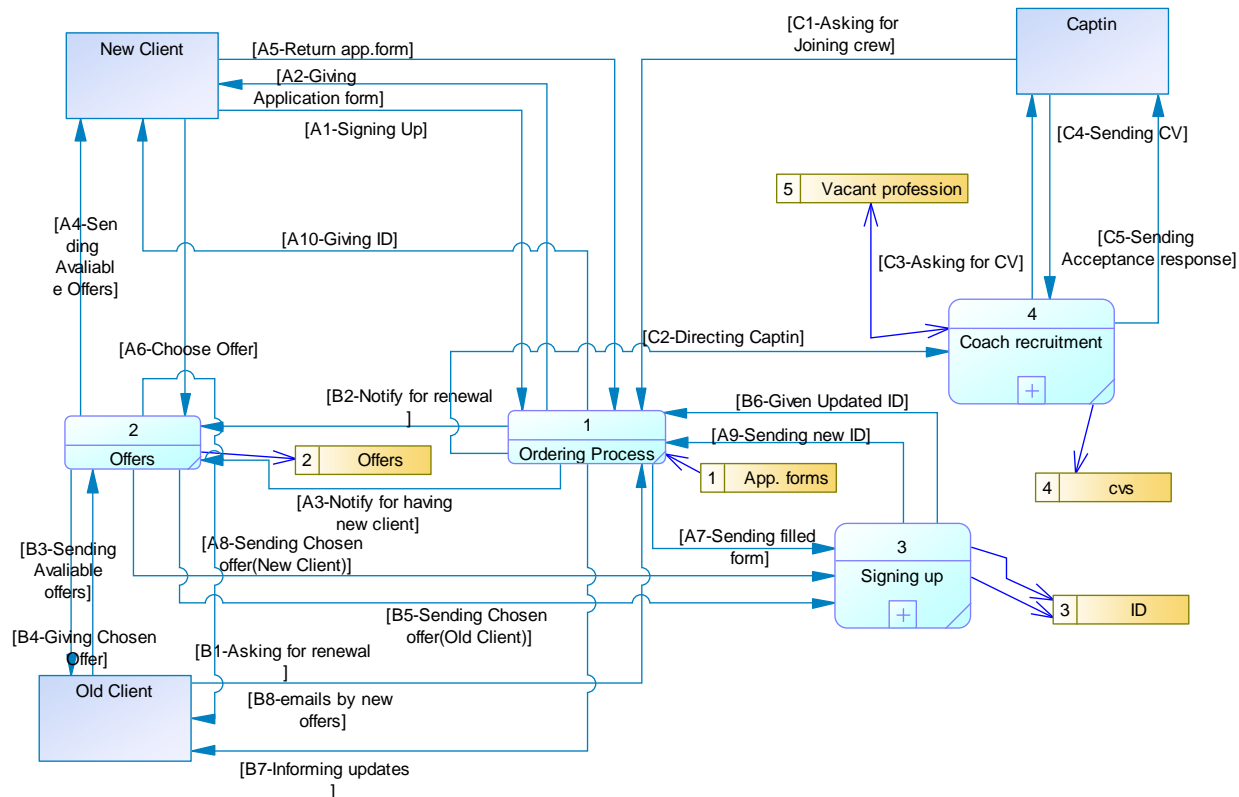
Name	IS DFD lvl0
Code	IS_DFD_lvl0
Process Language	Data Flow Diagram
Comment	
Author	
Version	

II Short model description

II.1 List of diagrams

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

II.2 Diagram BusinessProcessDiagram_1



II.3 List of External Entity objects

Name	Code	Multi-Instance	Parent Organization
Captin	Captin		
New Client	New_Client		
Old Client	Old_Client		

II.4 List of processes

Name	Code	Stereotype
Coach recruitment	Coach_recruitment	
Offers	Offers	
Ordering Process	Ordering_Process	
Signing up	Signing_up	

II.5 List of Data Store objects

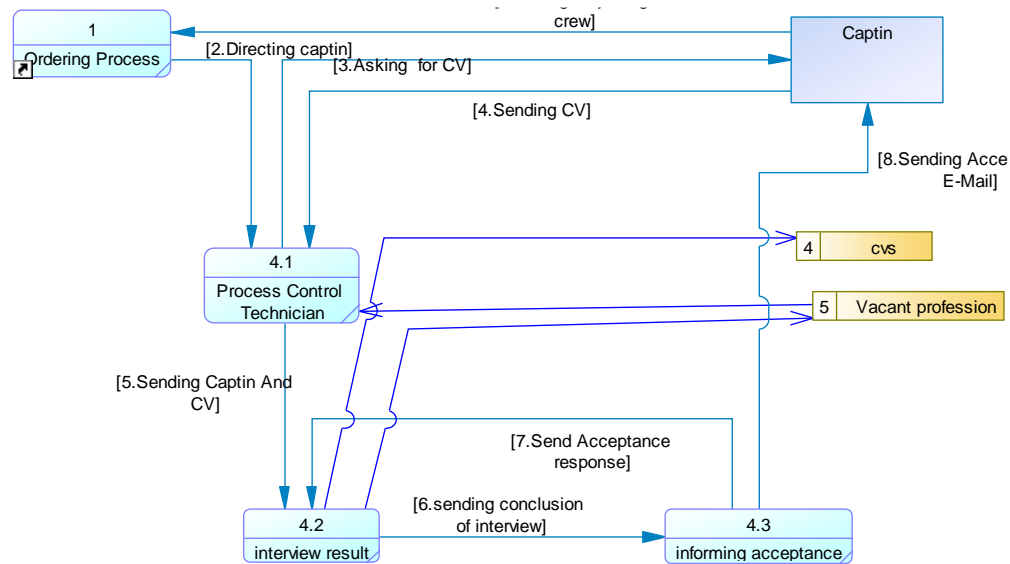
Name	Code
App. forms	App__forms
cvS	cvS
ID	ID
Offers	Offers
Vacant profession	Vacant_profession

II.6 Process Coach recruitment

II.6.1 List of diagrams

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

Il.6.2 Diagram BusinessProcessDiagram_1



11.6.3 List of processes

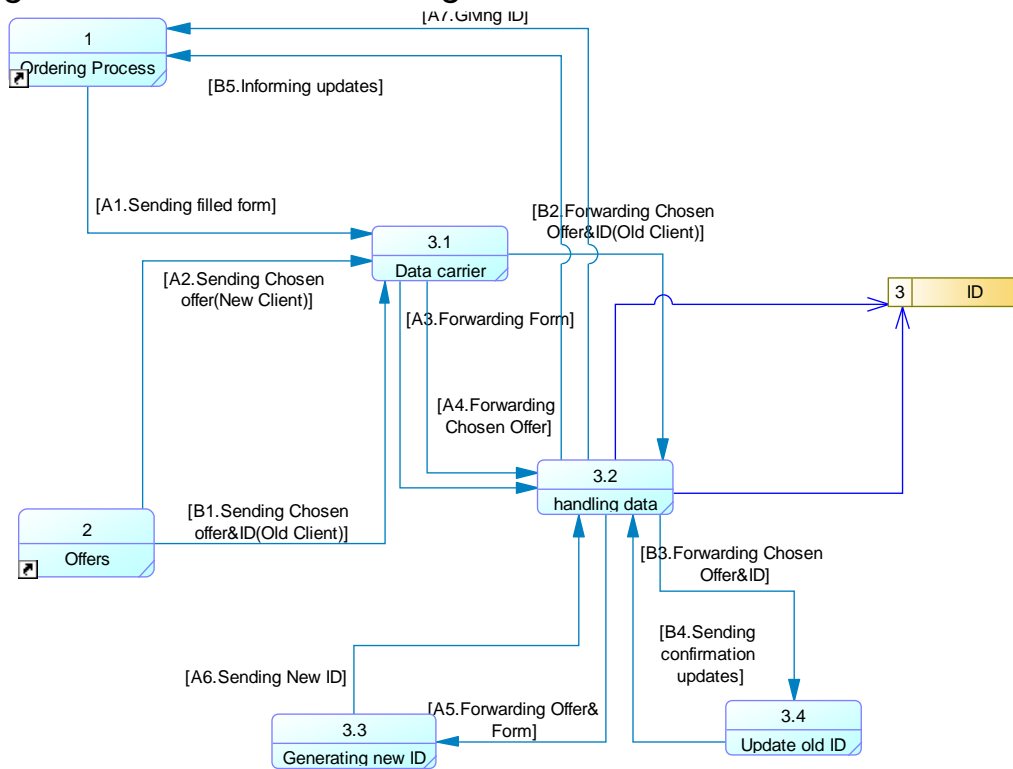
Name	Code	Stereotype
informing acceptance	informing_acceptance	
interview result	interview_result	
Ordering Process	Ordering_Process	
Process Control Technician	Process_Control_Technician	

II.7 Process Signing up

11.7.1 List of diagrams

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

II.7.2 Diagram BusinessProcessDiagram_1



II.7.3 List of processes

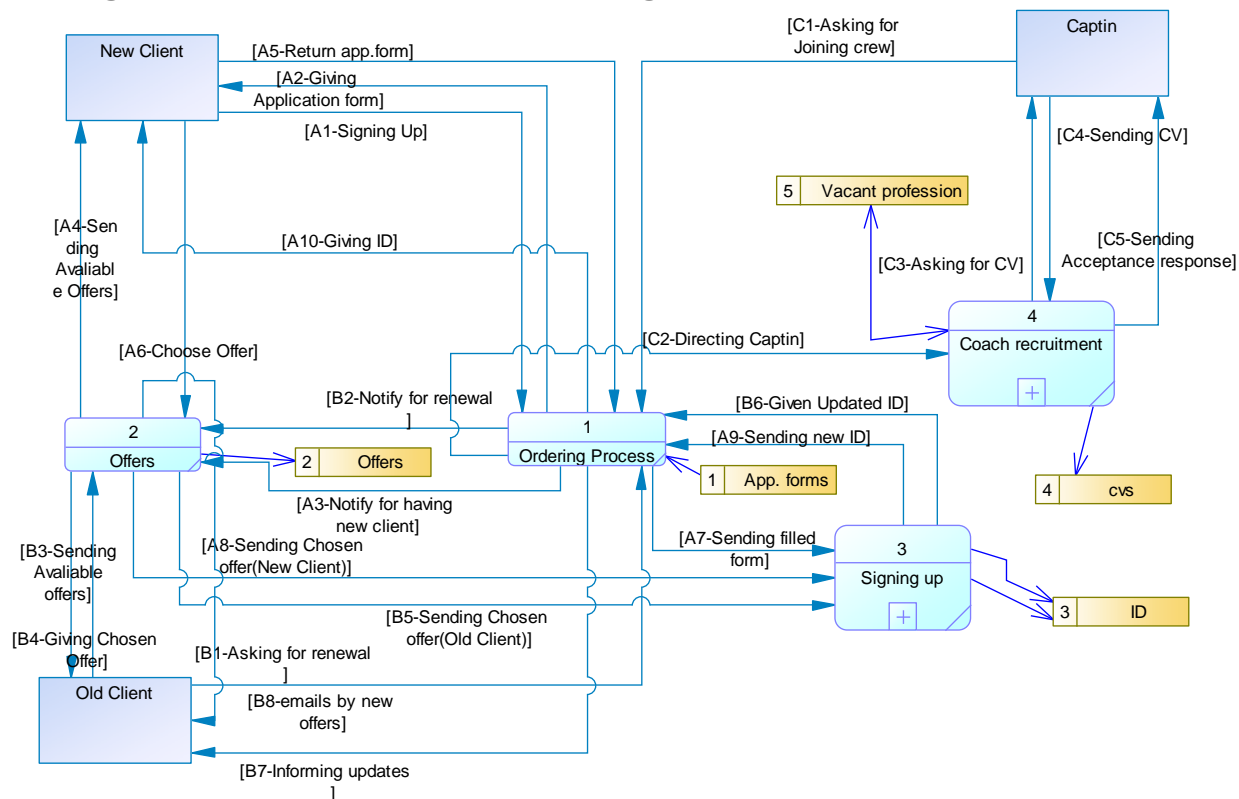
Name	Code	Stereotype
Data carrier	Data_carrier	
Generating new ID	Generating_new_ID	
handling data	handling_data	
Offers	Offers	
Ordering Process	Ordering_Process	
Update old ID	Update_old_ID	

III Full model description

III.1 List of diagrams

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.2 Diagram BusinessProcessDiagram_1



III.3 List of External Entity objects

Name	Code	Multi-Instance	Parent Organization
Captin	Captin		
New Client	New_Client		
Old Client	Old_Client		

III.3.1 External Entity Captin

III.3.1.1 Card of organization unit Captin

Name	Captin
Code	Captin
Comment	
Multi-Instance	No
Parent Organization	<None>

III.3.1.2 List of input flows of the organization unit Captin

Destination	Source	Message Format	Transport	Flow Type
Captin	Coach recruitment	?		C3-Asking for CV
Captin	Coach recruitment	?		C5-Sending Acceptance response
Captin	Process Control Technician	?		3.Asking for CV
Captin	informing acceptance	?		8.Sending Acceptance E-Mail

III.3.1.3 List of output flows of the organization unit Captin

Destination	Source	Message Format	Transport	Flow Type
Ordering Process	Captin	?		C1-Asking for Joining crew
Coach recruitment	Captin	?		C4-Sending CV
Ordering Process (Shortcut)	Captin	?		1.Asking for joining crew
Process Control	Captin	?		4.Sending CV

Technician				
------------	--	--	--	--

III.3.1.4 List of diagrams containing the organization unit Captin

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.3.2 External Entity New Client

III.3.2.1 Card of organization unit New Client

Name	New Client
Code	New_Client
Comment	
Multi-Instance	No
Parent Organization	<None>

III.3.2.2 List of input flows of the organization unit New Client

Destination	Source	Message Format	Transport	Flow Type
New Client	Ordering Process	?		A2-Giving Application form
New Client	Offers	?		A4-Sending Available Offers
New Client	Ordering Process	?		A10-Giving ID

III.3.2.3 List of output flows of the organization unit New Client

Destination	Source	Message Format	Transport	Flow Type
Ordering Process	New Client	?		A1-Signing Up

Offers	New Client	?		A6-Choose Offer
Ordering Process	New Client	?		A5-Return app.form

III.3.2.4 List of diagrams containing the organization unit New Client

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.3.3 External Entity Old Client

III.3.3.1 Card of organization unit Old Client

Name	Old Client
Code	Old_Client
Comment	
Multi-Instance	No
Parent Organization	<None>

III.3.3.2 List of input flows of the organization unit Old Client

Destination	Source	Message Format	Transport	Flow Type
Old Client	Offers	?		B3-Sending Avaliable offers
Old Client	Offers	?		B8-emails by new offers
Old Client	Ordering Process	?		B7-Informing updates

III.3.3.3 List of output flows of the organization unit Old Client

Destination	Source	Message Format	Transport	Flow Type
-------------	--------	----------------	-----------	-----------

Ordering Process	Old Client	?	B1-Asking for renewal
Offers	Old Client	?	B4-Giving Chosen Offer

III.3.3.4 List of diagrams containing the organization unit Old Client

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4 List of processes

Name	Code	Stereotype
Coach recruitment	Coach_recruitment	
Offers	Offers	
Ordering Process	Ordering_Process	
Signing up	Signing_up	

III.4.1 Process Coach recruitment

III.4.1.1 Properties

III.4.1.1.1 Card of process Coach recruitment

Name	Coach recruitment
Code	Coach_recruitment
Comment	

III.4.1.1.2 List of resource flows of the process Coach recruitment

Name	Code	Stereotype	Resource	Process
Resource Flow_4	Resource_Flow_4		cvs	Coach recruitment

Resource Flow_7	Resource_Flow_7		Vacant profession	Coach recruitment
-----------------	-----------------	--	-------------------	-------------------

III.4.1.1.3 List of input flows of the process Coach recruitment

Destination	Source	Message Format	Transport	Flow Type
Coach recruitment	Ordering Process	?		C2-Directing Captin
Coach recruitment	Captin	?		C4-Sending CV

III.4.1.1.4 List of output flows of the process Coach recruitment

Destination	Source	Message Format	Transport	Flow Type
Captin	Coach recruitment	?		C3-Asking for CV
Captin	Coach recruitment	?		C5-Sending Acceptance response

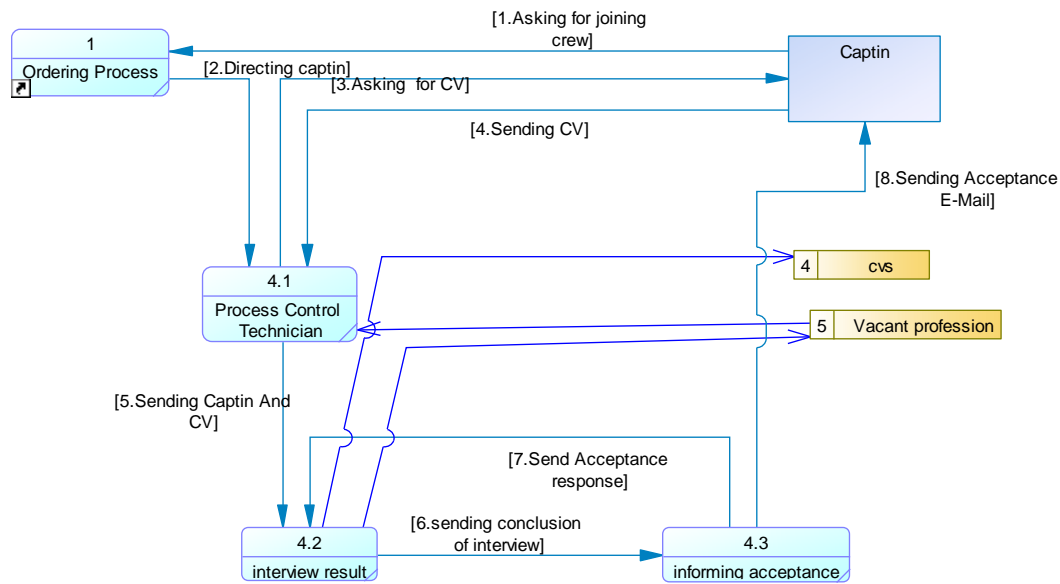
III.4.1.1.5 List of diagrams containing the process Coach recruitment

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.1.2 List of diagrams

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.1.3 Diagram BusinessProcessDiagram_1



III.4.1.4 Process informing acceptance

III.4.1.4.1 Properties

III.4.1.4.1.1 Card of process informing acceptance

Name	informing acceptance
Code	informing_acceptance
Comment	

III.4.1.4.1.2 List of input flows of the process informing acceptance

Destination	Source	Message Format	Transport	Flow Type
informing acceptance	interview result	?		6.sending conclusion of interview

III.4.1.4.1.3 List of output flows of the process informing acceptance

Destination	Source	Message Format	Transport	Flow Type
interview result	informing	?		7.Send Acceptance

Captin	acceptance informing acceptance	?	response 8.Sending Acceptance E-Mail
--------	---------------------------------------	---	--

III.4.1.4.1.4 List of diagrams containing the process informing acceptance

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.1.5 Process interview result

III.4.1.5.1 Properties

III.4.1.5.1.1 Card of process interview result

Name	interview result
Code	interview_result
Comment	

III.4.1.5.1.2 List of resource flows of the process interview result

Name	Code	Stereotype	Resource	Process
Resource Flow_9	Resource_Flow_9		cvs	interview result
Resource Flow_10	Resource_Flow_10		Vacant profession	interview result

III.4.1.5.1.3 List of input flows of the process interview result

Destination	Source	Message Format	Transport	Flow Type
interview result	Process Control Technician	?		5.Sending Captin And CV
interview result	informing acceptance	?		7.Send Acceptance response

III.4.1.5.1.4 List of output flows of the process interview result

Destination	Source	Message Format	Transport	Flow Type
informing acceptance	interview result	?		6.sending conclusion of interview

III.4.1.5.1.5 List of diagrams containing the process interview result

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.2 Process Ordering Process

III.4.2.1 Properties

III.4.2.1.1 Card of process Ordering Process

Name	Ordering Process
Code	Ordering_Process
Comment	

III.4.2.1.2 List of resource flows of the process Ordering Process

Name	Code	Stereotype	Resource	Process
Resource Flow_0	Resource_Flow_0		App. forms	Ordering Process
Resource Flow_0	Resource_Flow_0		App. forms	Ordering Process

III.4.2.1.3 List of input flows of the process Ordering Process

Destination	Source	Message Format	Transport	Flow Type
Ordering Process	New Client	?		A1-Signing Up
Ordering Process	New Client	?		A1-Signing Up
Ordering Process	New Client	?		A5-Return app.form

Ordering Process	New Client	?	A5-Return app.form
Ordering Process	Signing up	?	A9-Sending new ID
Ordering Process	Signing up	?	A9-Sending new ID
Ordering Process	Old Client	?	B1-Asking for renewal
Ordering Process	Old Client	?	B1-Asking for renewal
Ordering Process	Signing up	?	B6-Given Updated ID
Ordering Process	Signing up	?	B6-Given Updated ID
Ordering Process	Captin	?	C1-Asking for Joining crew
Ordering Process	Captin	?	C1-Asking for Joining crew
Ordering Process (Shortcut)	handling data	?	A7.Giving ID
Ordering Process (Shortcut)	handling data	?	A7.Giving ID
Ordering Process (Shortcut)	handling data	?	B5.Informing updates
Ordering Process (Shortcut)	handling data	?	B5.Informing updates
Ordering Process (Shortcut)	Captin	?	1.Asking for joining crew
Ordering Process (Shortcut)	Captin	?	1.Asking for joining crew

III.4.2.1.4 List of output flows of the process Ordering Process

Destination	Source	Message Format	Transport	Flow Type
New Client	Ordering Process	?		A2-Giving Application form
New Client	Ordering Process	?		A2-Giving Application form
Signing up	Ordering Process	?		A7-Sending filled form
Signing up	Ordering Process	?		A7-Sending filled form
New Client	Ordering Process	?		A10-Giving ID
New Client	Ordering Process	?		A10-Giving ID
Offers	Ordering Process	?		B2-Notify for renewal
Offers	Ordering Process	?		B2-Notify for renewal
Old Client	Ordering Process	?		B7-Informing updates
Old Client	Ordering Process	?		B7-Informing updates
Coach recruitment	Ordering Process	?		C2-Directing Captin
Coach recruitment	Ordering Process	?		C2-Directing Captin
Offers	Ordering Process	?		A3-Notify for having new client
Offers	Ordering Process	?		A3-Notify for having new client
Data carrier	Ordering Process (Shortcut)	?		A1.Sending filled form
Data carrier	Ordering Process	?		A1.Sending filled

	(Shortcut)			form
Process Control Technician	Ordering Process (Shortcut)	?		2.Directing captin
Process Control Technician	Ordering Process (Shortcut)	?		2.Directing captin

III.4.2.1.5 List of shortcuts of the process Ordering Process

Name	Code	Type	Target Package
Ordering Process	Ordering_Process	Process	<Model>
Ordering Process	Ordering_Process	Process	<Model>

III.4.2.1.6 List of diagrams containing the process Ordering Process

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.2.2 Process Process Control Technician

III.4.2.2.1 Properties

III.4.2.2.1.1 Card of process Process Control Technician

Name	Process Control Technician
Code	Process_Control_Technician
Comment	

III.4.2.2.1.2 List of resource flows of the process Process Control Technician

Name	Code	Stereotype	Resource	Process
Resource Flow_8	Resource_Flow_8		Vacant profession	Process Control Technician

III.4.2.2.1.3 List of input flows of the process Process Control Technician

Destination	Source	Message Format	Transport	Flow Type
Process Control Technician	Ordering Process (Shortcut)	?		2.Directing captin
Process Control Technician	Captin	?		4.Sending CV

III.4.2.2.1.4 List of output flows of the process Process Control Technician

Destination	Source	Message Format	Transport	Flow Type
Captin	Process Control Technician	?		3.Asking for CV
interview result	Process Control Technician	?		5.Sending Captin And CV

III.4.2.2.1.5 List of diagrams containing the process Process Control Technician

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.3 Process Offers**III.4.3.1 Properties****III.4.3.1.1 Card of process Offers**

Name	Offers
Code	Offers
Comment	

III.4.3.1.2 List of resource flows of the process Offers

Name	Code	Stereotype	Resource	Process
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Resource Flow_1	Resource_Flow_1		Offers	Offers
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III.4.3.1.3 List of input flows of the process Offers

Destination	Source	Message Format	Transport	Flow Type
Offers	New Client	?		A6-Choose Offer
Offers	Ordering Process	?		B2-Notify for renewal
Offers	Old Client	?		B4-Giving Chosen Offer
Offers	Ordering Process	?		A3-Notify for having new client

III.4.3.1.4 List of output flows of the process Offers

Destination	Source	Message Format	Transport	Flow Type
New Client	Offers	?		A4-Sending Available Offers
Signing up	Offers	?		A8-Sending Chosen offer(New Client)
Old Client	Offers	?		B3-Sending Available offers
Old Client	Offers	?		B8-emails by new offers
Signing up	Offers	?		B5-Sending Chosen offer(Old Client)
Data carrier	Offers (Shortcut)	?		A2.Sending Chosen offer(New Client)
Data carrier	Offers (Shortcut)	?		B1.Sending Chosen offer&ID(Old Client)

III.4.3.1.5 List of shortcuts of the process Offers

Name	Code	Type	Target Package
Offers	Offers	Process	<Model>

III.4.3.1.6 List of diagrams containing the process Offers

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.4 Process Ordering Process**III.4.4.1 Properties****III.4.4.1.1 Card of process Ordering Process**

Name	Ordering Process
Code	Ordering_Process
Comment	

III.4.4.1.2 List of resource flows of the process Ordering Process

Name	Code	Stereotype	Resource	Process
Resource Flow_0	Resource_Flow_0		App. forms	Ordering Process

III.4.4.1.3 List of input flows of the process Ordering Process

Destination	Source	Message Format	Transport	Flow Type
Ordering Process	New Client	?		A1-Signing Up
Ordering Process	New Client	?		A5-Return app.form
Ordering Process	Signing up	?		A9-Sending new ID
Ordering Process	Old Client	?		B1-Asking for renewal

Ordering Process	Signing up	?		B6-Given Updated ID
Ordering Process	Captin	?		C1-Asking for Joining crew
Ordering Process (Shortcut)	handling data	?		A7.Giving ID
Ordering Process (Shortcut)	handling data	?		B5.Informing updates
Ordering Process (Shortcut)	Captin	?		1.Asking for joining crew

III.4.4.1.4 List of output flows of the process Ordering Process

Destination	Source	Message Format	Transport	Flow Type
New Client	Ordering Process	?		A2-Giving Application form
Signing up	Ordering Process	?		A7-Sending filled form
New Client	Ordering Process	?		A10-Giving ID
Offers	Ordering Process	?		B2-Notify for renewal
Old Client	Ordering Process	?		B7-Informing updates
Coach recruitment	Ordering Process	?		C2-Directing Captin
Offers	Ordering Process	?		A3-Notify for having new client
Data carrier	Ordering Process (Shortcut)	?		A1.Sending filled form
Process Control Technician	Ordering Process (Shortcut)	?		2.Directing captin

III.4.4.1.5 List of shortcuts of the process Ordering Process

Name	Code	Type	Target Package
Ordering Process	Ordering_Process	Process	<Model>
Ordering Process	Ordering_Process	Process	<Model>

III.4.4.1.6 List of diagrams containing the process Ordering Process

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.5 Process Signing up**III.4.5.1 Properties****III.4.5.1.1 Card of process Signing up**

Name	Signing up
Code	Signing_up
Comment	

III.4.5.1.2 List of resource flows of the process Signing up

Name	Code	Stereotype	Resource	Process
Resource Flow_2	Resource_Flow_2		ID	Signing up
Resource Flow_3	Resource_Flow_3		ID	Signing up

III.4.5.1.3 List of input flows of the process Signing up

Destination	Source	Message Format	Transport	Flow Type
Signing up	Ordering Process	?		A7-Sending filled form
Signing up	Offers	?		A8-Sending Chosen offer(New Client)

Signing up	Offers	?		B5-Sending Chosen offer(Old Client)
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III.4.5.1.4 List of output flows of the process Signing up

Destination	Source	Message Format	Transport	Flow Type
Ordering Process	Signing up	?		A9-Sending new ID
Ordering Process	Signing up	?		B6-Given Updated ID

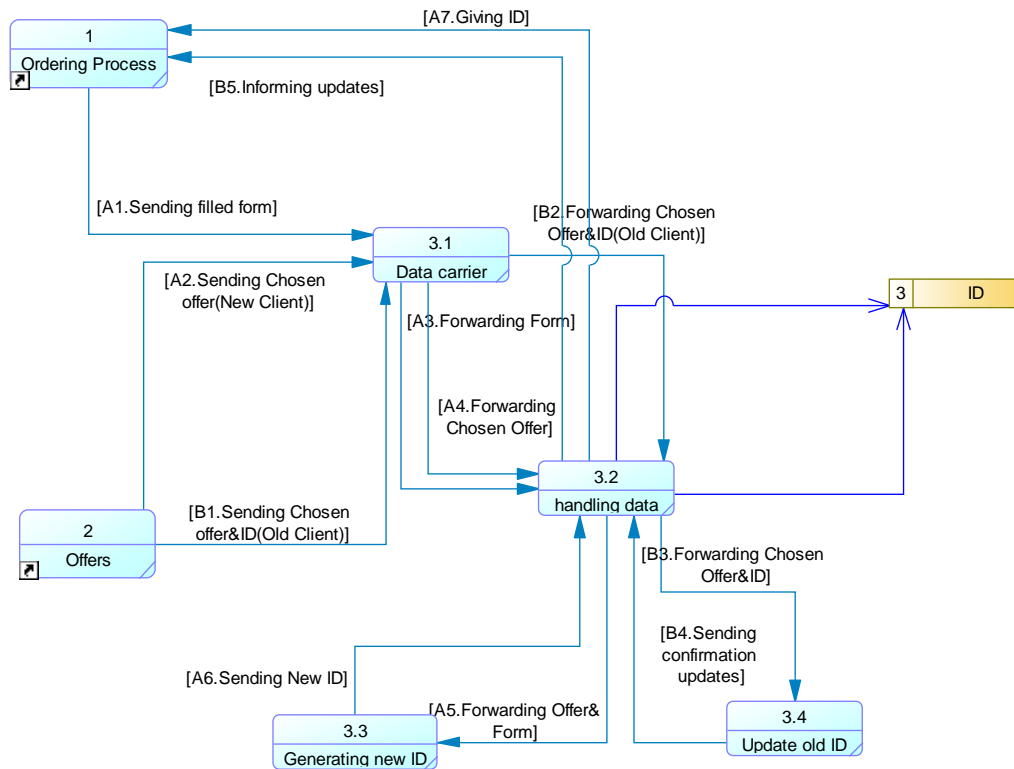
III.4.5.1.5 List of diagrams containing the process Signing up

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.5.2 List of diagrams

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.5.3 Diagram BusinessProcessDiagram_1



III.4.5.4 Process Data carrier

III.4.5.4.1 Properties

III.4.5.4.1.1 Card of process Data carrier

Name	Data carrier
Code	Data_carrier
Comment	

III.4.5.4.1.2 List of input flows of the process Data carrier

Destination	Source	Message Format	Transport	Flow Type
Data carrier	Ordering Process (Shortcut)	?		A1.Sending filled form
Data carrier	Offers (Shortcut)	?		A2.Sending Chosen offer(New Client)

Data carrier	Offers (Shortcut)	?		B1.Sending Chosen offer&ID(Old Client)
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III.4.5.4.1.3 List of output flows of the process Data carrier

Destination	Source	Message Format	Transport	Flow Type
handling data	Data carrier	?		A3.Forwarding Form
handling data	Data carrier	?		A4.Forwarding Chosen Offer
handling data	Data carrier	?		B2.Forwarding Chosen Offer&ID(Old Client)

III.4.5.4.1.4 List of diagrams containing the process Data carrier

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.5.5 Process Generating new ID

III.4.5.5.1 Properties

III.4.5.5.1.1 Card of process Generating new ID

Name	Generating new ID
Code	Generating_new_ID
Comment	

III.4.5.5.1.2 List of input flows of the process Generating new ID

Destination	Source	Message Format	Transport	Flow Type
Generating new	handling data	?		A5.Forwarding

ID				Offer&Form
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III.4.5.5.1.3 List of output flows of the process Generating new ID

Destination	Source	Message Format	Transport	Flow Type
handling data	Generating new ID	?		A6.Sending New ID

III.4.5.5.1.4 List of diagrams containing the process Generating new ID

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.5.6 Process handling data

III.4.5.6.1 Properties

III.4.5.6.1.1 Card of process handling data

Name	handling data
Code	handling_data
Comment	

III.4.5.6.1.2 List of resource flows of the process handling data

Name	Code	Stereotype	Resource	Process
Resource Flow_5	Resource_Flow_5		ID	handling data
Resource Flow_6	Resource_Flow_6		ID	handling data

III.4.5.6.1.3 List of input flows of the process handling data

Destination	Source	Message Format	Transport	Flow Type
handling data	Data carrier	?		A3.Forwarding Form
handling data	Data carrier	?		A4.Forwarding

handling data	Data carrier	?		Chosen Offer B2.Forwarding Chosen Offer&ID(Old Client)
handling data	Generating new ID	?		A6.Sending New ID
handling data	Update old ID	?		B4.Sending confirmation updates

III.4.5.6.1.4 List of output flows of the process handling data

Destination	Source	Message Format	Transport	Flow Type
Update old ID	handling data	?		B3.Forwarding Chosen Offer&ID
Generating new ID	handling data	?		A5.Forwarding Offer&Form
Ordering Process (Shortcut)	handling data	?		A7.Giving ID
Ordering Process (Shortcut)	handling data	?		B5.Informing updates

III.4.5.6.1.5 List of diagrams containing the process handling data

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.6 Process Offers

III.4.6.1 Properties

III.4.6.1.1 Card of process Offers

Name	Offers
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Code	Offers
Comment	

III.4.6.1.2 List of resource flows of the process Offers

Name	Code	Stereotype	Resource	Process
Resource Flow_1	Resource_Flow_1		Offers	Offers
Resource Flow_1	Resource_Flow_1		Offers	Offers

III.4.6.1.3 List of input flows of the process Offers

Destination	Source	Message Format	Transport	Flow Type
Offers	New Client	?		A6-Choose Offer
Offers	New Client	?		A6-Choose Offer
Offers	Ordering Process	?		B2-Notify for renewal
Offers	Ordering Process	?		B2-Notify for renewal
Offers	Old Client	?		B4-Giving Chosen Offer
Offers	Old Client	?		B4-Giving Chosen Offer
Offers	Ordering Process	?		A3-Notify for having new client
Offers	Ordering Process	?		A3-Notify for having new client

III.4.6.1.4 List of output flows of the process Offers

Destination	Source	Message Format	Transport	Flow Type
New Client	Offers	?		A4-Sending

				Available Offers
New Client	Offers	?		A4-Sending Available Offers
Signing up	Offers	?		A8-Sending Chosen offer(New Client)
Signing up	Offers	?		A8-Sending Chosen offer(New Client)
Old Client	Offers	?		B3-Sending Available offers
Old Client	Offers	?		B3-Sending Available offers
Old Client	Offers	?		B8-emails by new offers
Old Client	Offers	?		B8-emails by new offers
Signing up	Offers	?		B5-Sending Chosen offer(Old Client)
Signing up	Offers	?		B5-Sending Chosen offer(Old Client)
Data carrier	Offers (Shortcut)	?		A2.Sending Chosen offer(New Client)
Data carrier	Offers (Shortcut)	?		A2.Sending Chosen offer(New Client)
Data carrier	Offers (Shortcut)	?		B1.Sending Chosen offer&ID(Old Client)
Data carrier	Offers (Shortcut)	?		B1.Sending Chosen offer&ID(Old Client)

III.4.6.1.5 List of shortcuts of the process Offers

Name	Code	Type	Target Package
Offers	Offers	Process	<Model>

III.4.6.1.6 List of diagrams containing the process Offers

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.7 Process Ordering Process

III.4.7.1 Properties

III.4.7.1.1 Card of process Ordering Process

Name	Ordering Process
Code	Ordering_Process
Comment	

III.4.7.1.2 List of resource flows of the process Ordering Process

Name	Code	Stereotype	Resource	Process
Resource Flow_0	Resource_Flow_0		App. forms	Ordering Process
Resource Flow_0	Resource_Flow_0		App. forms	Ordering Process

III.4.7.1.3 List of input flows of the process Ordering Process

Destination	Source	Message Format	Transport	Flow Type
Ordering Process	New Client	?		A1-Signing Up
Ordering Process	New Client	?		A1-Signing Up
Ordering Process	New Client	?		A5-Return app.form

Ordering Process	New Client	?	A5-Return app.form
Ordering Process	Signing up	?	A9-Sending new ID
Ordering Process	Signing up	?	A9-Sending new ID
Ordering Process	Old Client	?	B1-Asking for renewal
Ordering Process	Old Client	?	B1-Asking for renewal
Ordering Process	Signing up	?	B6-Given Updated ID
Ordering Process	Signing up	?	B6-Given Updated ID
Ordering Process	Captin	?	C1-Asking for Joining crew
Ordering Process	Captin	?	C1-Asking for Joining crew
Ordering Process (Shortcut)	handling data	?	A7.Giving ID
Ordering Process (Shortcut)	handling data	?	A7.Giving ID
Ordering Process (Shortcut)	handling data	?	B5.Informing updates
Ordering Process (Shortcut)	handling data	?	B5.Informing updates
Ordering Process (Shortcut)	Captin	?	1.Asking for joining crew
Ordering Process (Shortcut)	Captin	?	1.Asking for joining crew

III.4.7.1.4 List of output flows of the process Ordering Process

Destination	Source	Message Format	Transport	Flow Type
New Client	Ordering Process	?		A2-Giving Application form
New Client	Ordering Process	?		A2-Giving Application form
Signing up	Ordering Process	?		A7-Sending filled form
Signing up	Ordering Process	?		A7-Sending filled form
New Client	Ordering Process	?		A10-Giving ID
New Client	Ordering Process	?		A10-Giving ID
Offers	Ordering Process	?		B2-Notify for renewal
Offers	Ordering Process	?		B2-Notify for renewal
Old Client	Ordering Process	?		B7-Informing updates
Old Client	Ordering Process	?		B7-Informing updates
Coach recruitment	Ordering Process	?		C2-Directing Captin
Coach recruitment	Ordering Process	?		C2-Directing Captin
Offers	Ordering Process	?		A3-Notify for having new client
Offers	Ordering Process	?		A3-Notify for having new client
Data carrier	Ordering Process (Shortcut)	?		A1.Sending filled form
Data carrier	Ordering Process	?		A1.Sending filled

	(Shortcut)			form
Process Control Technician	Ordering Process (Shortcut)	?		2.Directing captin
Process Control Technician	Ordering Process (Shortcut)	?		2.Directing captin

III.4.7.1.5 List of shortcuts of the process Ordering Process

Name	Code	Type	Target Package
Ordering Process	Ordering_Process	Process	<Model>
Ordering Process	Ordering_Process	Process	<Model>

III.4.7.1.6 List of diagrams containing the process Ordering Process

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.4.7.2 Process Update old ID

III.4.7.2.1 Properties

III.4.7.2.1.1 Card of process Update old ID

Name	Update old ID
Code	Update_old_ID
Comment	

III.4.7.2.1.2 List of input flows of the process Update old ID

Destination	Source	Message Format	Transport	Flow Type
Update old ID	handling data	?		B3.Forwarding Chosen Offer&ID

III.4.7.2.1.3 List of output flows of the process Update old ID

Destination	Source	Message Format	Transport	Flow Type
handling data	Update old ID	?		B4.Sending confirmation updates

III.4.7.2.1.4 List of diagrams containing the process Update old ID

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.5 List of Data Store objects

Name	Code
App. forms	App__forms
cvS	cvS
ID	ID
Offers	Offers
Vacant profession	Vacant_profession

III.5.1 Data Store App. forms**III.5.1.1 Card of resource App. forms**

Name	App. forms
Code	App__forms
Comment	

III.5.1.2 List of resource flows of the resource App. forms

Name	Code	Stereotype	Resource	Process
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Resource Flow_0	Resource_Flow_0		App. forms	Ordering Process
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III.5.1.3 List of diagrams containing the resource App. forms

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.5.2 Data Store cvs

III.5.2.1 Card of resource cvs

Name	cvs
Code	cvs
Comment	

III.5.2.2 List of resource flows of the resource cvs

Name	Code	Stereotype	Resource	Process
Resource Flow_4	Resource_Flow_4		cvs	Coach recruitment
Resource Flow_9	Resource_Flow_9		cvs	interview result

III.5.2.3 List of diagrams containing the resource cvs

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.5.3 Data Store ID

III.5.3.1 Card of resource ID

Name	ID
Code	ID

Comment	
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III.5.3.2 List of resource flows of the resource ID

Name	Code	Stereotype	Resource	Process
Resource Flow_2	Resource_Flow_2		ID	Signing up
Resource Flow_3	Resource_Flow_3		ID	Signing up
Resource Flow_5	Resource_Flow_5		ID	handling data
Resource Flow_6	Resource_Flow_6		ID	handling data

III.5.3.3 List of diagrams containing the resource ID

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1
BusinessProcessDiagram_1	BusinessProcessDiagram_1

III.5.4 Data Store Offers

III.5.4.1 Card of resource Offers

Name	Offers
Code	Offers
Comment	

III.5.4.2 List of resource flows of the resource Offers

Name	Code	Stereotype	Resource	Process
Resource Flow_1	Resource_Flow_1		Offers	Offers

III.5.4.3 List of diagrams containing the resource Offers

Name	Code
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BusinessProcessDiagram_1	BusinessProcessDiagram_1
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III.5.5 Data Store Vacant profession

III.5.5.1 Card of resource Vacant profession

Name	Vacant profession
Code	Vacant_profession
Comment	

III.5.5.2 List of resource flows of the resource Vacant profession

Name	Code	Stereotype	Resource	Process
Resource Flow_7	Resource_Flow_7		Vacant profession	Coach recruitment
Resource Flow_8	Resource_Flow_8		Vacant profession	Process Control Technician
Resource Flow_10	Resource_Flow_10		Vacant profession	interview result

III.5.5.3 List of diagrams containing the resource Vacant profession

Name	Code
BusinessProcessDiagram_1	BusinessProcessDiagram_1
BusinessProcessDiagram_1	BusinessProcessDiagram_1

