

Contracting Company Information System

No.	Name	Section
1	أحمد عبد السلام عبدالفتاح الجمل	2
2	شروق محمد مصطفى الزنفولي	5
3	سميرة سعيد أحمد السيد مرسي	5
4	أحمد سعيد عبدالمجيد سالم	1

By

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Web Project Link :

<https://drive.google.com/file/d/1i11Jpmm2RBsjJV4jP9eVpJ5I1sBLd7px/view?fbclid=IwAR2yr04GvvL1Py-l2M8Wz-ujm3mAqoVg9nZER2LZaHYMmumblgtu58mLIYA>

Issue	Mark
Project Identification	
System Request	
Feasibility Study	
Task Identification	
Pert Chart	
Gantt Chart	
Interview	
Questionnaire	
Context Diagram -- DFD	
Level-0 Diagram -- DFD	
Level-1 Diagram – DFD	
Data Flow -- Data Dictionary	
Data Store – Data Dictionary	
Process Specification	
Normalization	
Entity-Relationship Diagram	
Unified Modelling Language (UML)	
Architecture Design	
Data Storage Design	
Program Design	
Interface Design	

Planning (Project Plan)

Project Identification

Project Name:

Build your dream

Current Problem:

Many of construction countries have difficulties to access the companies of the construct materials with lowest price and highest quality . and the same matter for the clients who want to build any building to get the companies with highest quality and best offers .

Description about project:

- Our project is designed to help people and save money and time .
- Our project helps clients choose the right companies for them to build and to help construction companies show their products and facilitates communication between clients and companies .

For example :

A client wants to build a building , so the client will log in the application. The Application will take username and password and checks them . If error it sends error message but if it is right it continue.

According to user : he generates order specification and it will send order to company . And according to companies : they receive and give offers to the client , then the client analyzes offers and selects the best for him .

System Request

System Request—Contracting Company Project	
Project Sponsor:	Arab Contractors - Mimar El-Morschedy
Business Need:	<ol style="list-style-type: none">1. Easy connection among construction companies and clients.2. Save a lot of effort and time .3. Easy access to the best companies and materials at the lowest cost and the best quality
Business Requirements:	<ol style="list-style-type: none">1. Connects the client and the best construction company .2. Show the best raw materials for construction .
Business Value:	<ol style="list-style-type: none">1. Saving money, time & effort.2. Easy Communication.3. High quality.4. Increase sales.
Special Issues or Constraints:	<ol style="list-style-type: none">1. Access to Data Storage .2. There will be a login system to use the app.3. Clients Have an account on the System.4. Clients will enter all the required data.5. Top level security with data.

Feasibility Analysis

Technical Feasibility

1. The App provides users' needs .
2. it needs knowledge about application designs .
3. Integration between the application and the technology of Software companies and clients .

Economic Feasibility

1. Cost to develop project and test it.
2. Annual operating cost.
3. Annual benefits.
4. The time of system analysis.

Organizational Feasibility

1. Users .
2. Staff .
3. Client .
4. Material Companies .

Time Estimation

	Planning	Analysis	Design	Implementation
Standard percentages	15%	20%	35%	30%
Estimated time based on planning time	Actual: 12%	Actual: 23%	Actual: 35%	Actual: 30%

Tasks Identification

Name of Task	Project identification
Start Date	1 – 3
End Date	2 – 3
Person assigned to task	All Team
Priority	High
Resources Needed	Software companies & alumni
Estimated Time	2 days
Actual Time	2 days

Name of Task	System request
Start Date	3 – 3
End Date	4 – 3
Person assigned to task	All Team
Priority	High
Resources Needed	Software companies & alumni
Estimated Time	18 hours
Actual Time	14 hours

Name of Task	Feasibility analysis
Start Date	5 – 3
End Date	6 – 3
Person assigned to task	All Team
Priority	High
Resources Needed	Software companies & alumni
Estimated Time	14 hours
Actual Time	12 hours

Name of Task	Interview & questionnaire
Start Date	8 – 3
End Date	10 – 3
Person assigned to task	Ahmed Abd El-Salam El Gamal
Priority	High
Resources Needed	Users & Software Companies
Estimated Time	20 hours
Actual Time	17 hour

Name of Task	DFD
Start Date	14 – 3
End Date	18 – 3
Person assigned to task	Shrouk Mohamed Mostafa
Priority	High
Resources Needed	Project Identification
Estimated Time	72 hours
Actual Time	48 hours

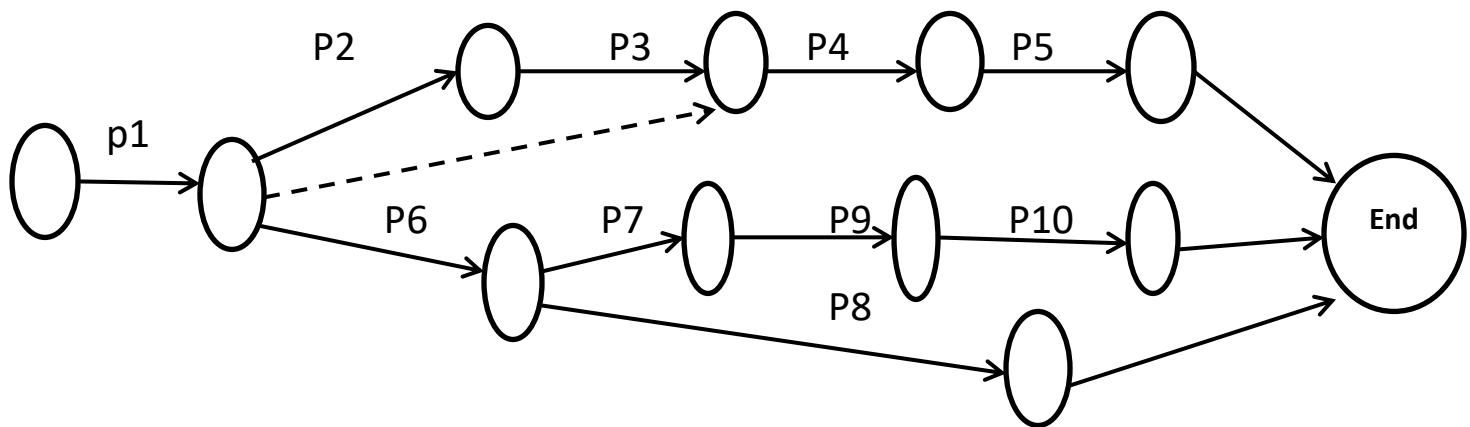
Name of Task	Data Dictionary
Start Date	19 - 3
End Date	20 – 3
Person assigned to task	Samira Saied Ahmed El-Sayed Mousa
Priority	High
Resources Needed	DFD
Estimated Time	15 hours
Actual Time	10 hours

Name of Task	Process Specification
Start Date	21 – 3
End Date	22 – 3
Person assigned to task	Ahmed Saied Abd El-Maged Salem
Priority	High
Resources Needed	DFD
Estimated Time	10 hours
Actual Time	9 hours

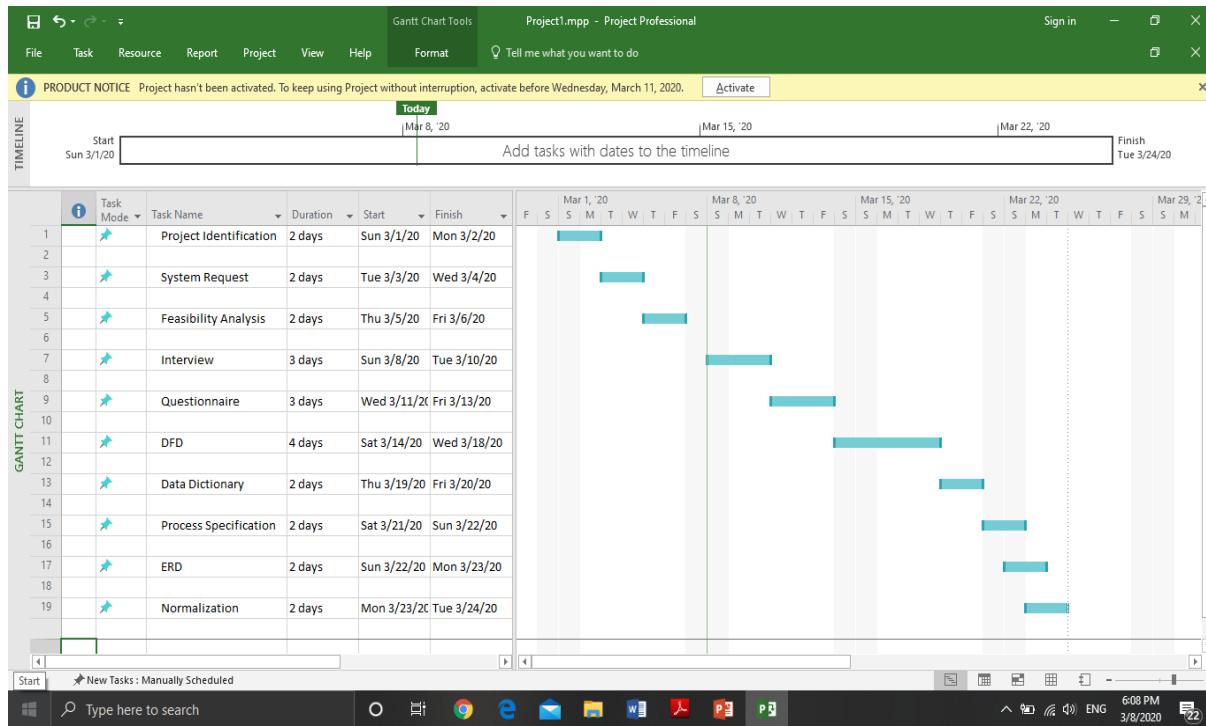
Name of Task	ERD & Normalization
Start Date	22 – 3
End Date	24 – 3
Person assigned to task	All Team
Priority	High
Resources Needed	Data Dictionary
Estimated Time	8 hours
Actual Time	9 hours

Pert Chart (MS-Project)

Processes	Names	Dependence
P1	Project identification	-----
P2	System request	Project identification
P3	Feasibility analysis	System request
P4	Interview	Process identification & Feasibility analysis
P5	Questionnaire	Interview
P6	DFD	Process identification
P7	Data dictionary	DFD
P8	Process Specification	DFD
P9	ERD	Data dictionary
P10	Normalization	ERD



Gantt chart (MS-Project)



Analysis (Project Proposal)

Interview

(include questions and answers)

1 - هل فيه تطبيق مشابه لفكرة تطبيق بتاعنا ؟

ج: مش موجود بس فيه حاجات زي اسعار الخامات ومواد البناء مش موجوده علي هيه برنامج بيديني
الاسعار بس مش بيدي الموردين للبناء الاسعار المختلفة من مكان لمكان ثاني

2 - هل وجود ابلاكشن زي دا يسهل علي الناس الشغل ؟ ويكون تأثيره ايه ؟

ج: اها هيسهل ف الدراسات سواء كانت مباشره مع العميل بتقى مع العميل او بالمناقصة

3 - يعني ايه مناقصه ؟

ج: اللي ياخذه هو اللي اقل سعر

4 - ازاي تتعامل مع العميل مثلا؟

ج: واحد يرشح المكان اللي اتعامل معه لواحد ثاني مثلا

5 - هل لو احنا ضيفنا الرسمة انت هتدبني المساحة تمام يعني؟

ج: صعبه .. جهاز الحاسب ذات نفسه مش موجود والاذواق تختلف مثلا يعني اللي يعجبني
مش يعجبك مثلا

6 - بحدد نوع الشغل علي اساس ايه ؟؟

ج: زي ميزانيه العميل يعني مش قابله للزياده او النقصان وهكذا ..

7 - بطلب منه البيت عايزه كام دور؟

ج : اشتراطات .. بيحددها الحي..

زي المساحة و الترخيص و الاحتياجات الخاصه زي عدد الغرف مثلا و نوعية التشطيب (عايزه لوكس ولا سوبر لوكس وهكذا .. انا بختار له علي اد فلوسه بس علي احسن شكل

8 - هل شرط يبقى عنده قطعه ارض او رامي اساس؟؟

ج: لو الارض فيها اساسيات بطلب منه الرسمه عشان اضمن انها بجوده عاليه .. بيجيب الرسمة من مهندس متخصص مقاوله فيها سعر الخرسانات وكده .

9 - ايه هي خطوات بناء الارض ؟

ج: معرفة قوة تحمل الارض و اقصي ارتفاع و علي مساحه كام من الارض و اشتراطات الحي والرسومات و احفر ثم اضع الاساسات و يعتبر الحفر ارخص حاجه .

10 - بالنسبة لمواد العزل؟؟

ج: يوجد عزل للأساسات البوتامين زي زمان ويوجد هزل للحمامات (المتر ف متر 70 جنيه) يعتبر البوتامين ارخص ولكن غير مستحب لأنه ليس الافضل

11 - اي الخطوه اللي بعد المباني؟؟

ج: الكهربائي طبعا بيجي يعمل بؤج اللي علي اساسها يتم تركيب العلب للكهرباء بتتحسب بالنقط(مخرج السلوك او البريزه) ويأتي بعدها تركيب العلب ولوحة العمومية وبتعدى الاسلاك بعدين تركيب المفاتيح

12 - دور السباكة امتى؟

ج: بعد انتهاء البناء وبعدين السيرامييك .

13 - و الديكور؟

ج: على حسب فلوس العميل والنقاشه العادي على حسب البويا باخد علي اساس 1متر يساوي 90 جنيه بس يكون مميز .

14 - ما هي ترتيب عمليات البناء ؟

ج : خرسانه ثم مباني ثم مبيض ثم نجار ثم كهربائي ثم الارضيات في النهاية .

15 - هل تقيد لو ضيفنا ف الابلکيشن للمقايسة ؟

ج: اه طبعا هتفيد جدا لو ضيفنا السعار والشركات زي الشركة المتحدة للكهرباء وعادل دياب و حديد عز والعتال وعلى حسب الموردين لكن لا يوجد رمل وزلط شركات .

16 - هل لو جالي شغل صغير باخده ؟

ج: حسب الامكانية المادية او فنيه عمال مثلا .

17 - هل يوجد شركات ممكن تعرض عليهم الشغل؟

ج: لا انا اضمن نفسي ولكن مش باضمن حد .

18 - بحدد الشغل علي اساس ايه ؟؟

ج: العميل يحدد الوقت والشركة تقول موافق ولا لأعلي حسب الامكانيات .

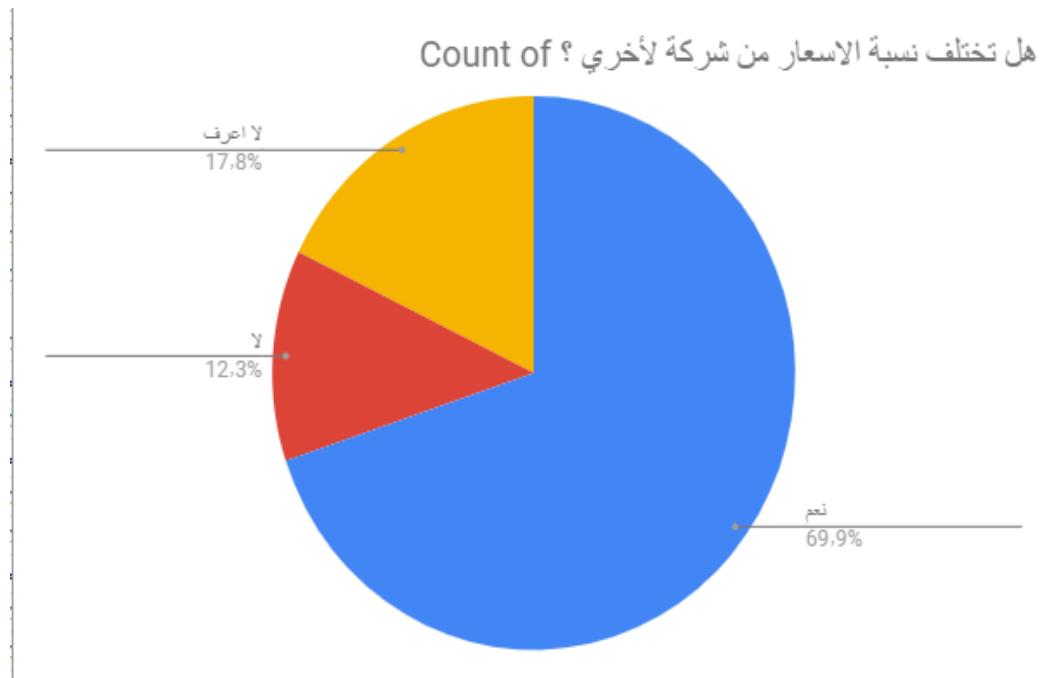
19 - مين اللي يقدر يعمل تقييم للشركات ؟

ج: العميل هو اللي يقيم و يدي تقييم لكل الشركات من المستخدم .

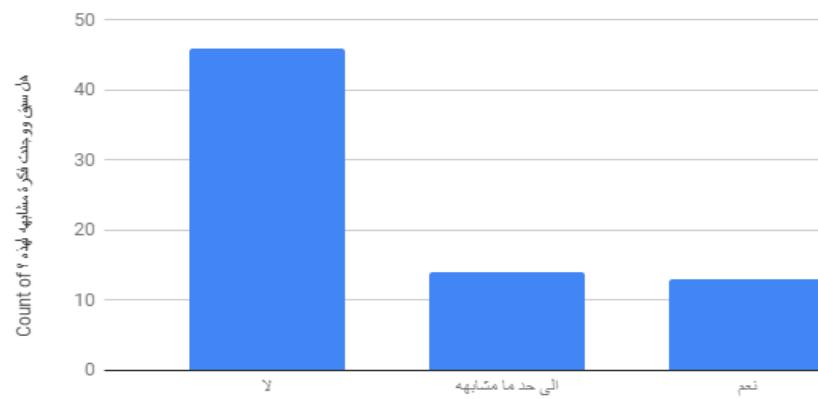
Interview Report

من اهم ما يميز التطبيق هو وجود اكثر من اختيارات به لتسهيل الوقت والجهد و يوجد تطبيقات لكن ليس مثله حيث انه يشمل معرفة اماكن الشركات والوصول لأقرب مكان من العميل .

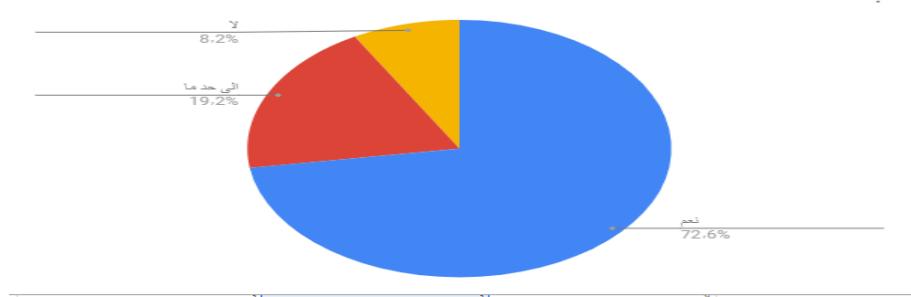
Questionnaire (using Google Forms, you must include questions and statistics)



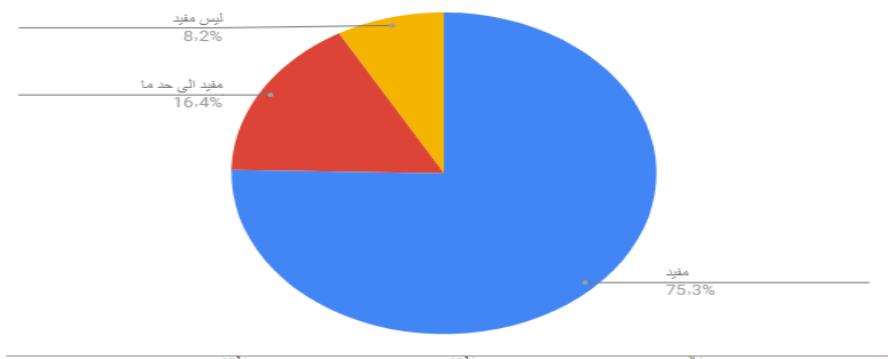
Count of ووجدت فكرة مشابهة لهذه؟

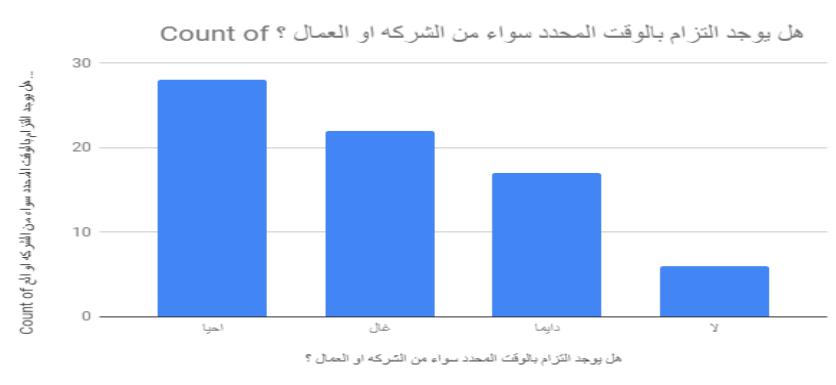
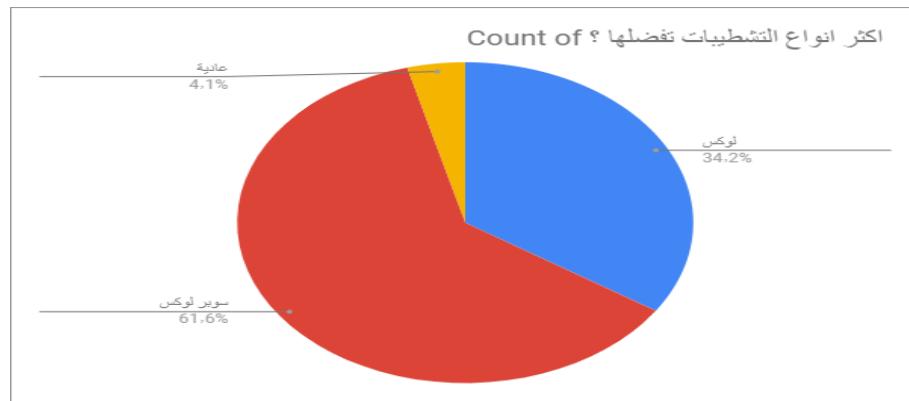
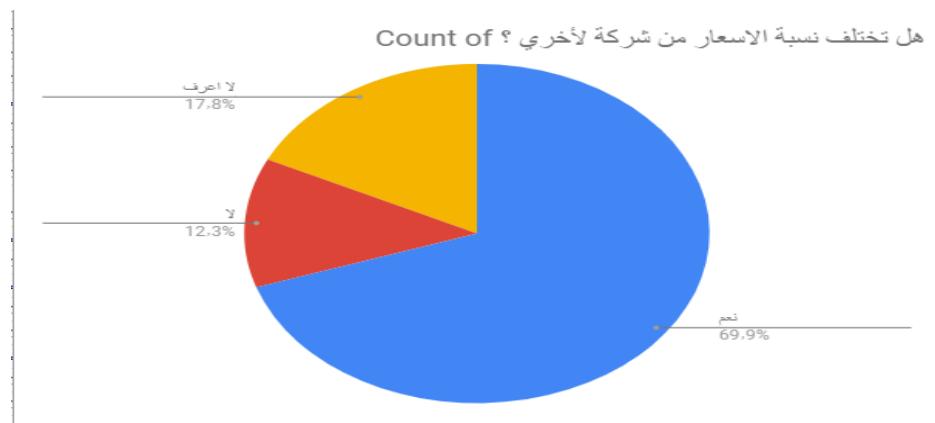


هل من المجزي ان التطبيق سيوفر كميات مواد البناء المتطلبة وتحديد اسعارها؟

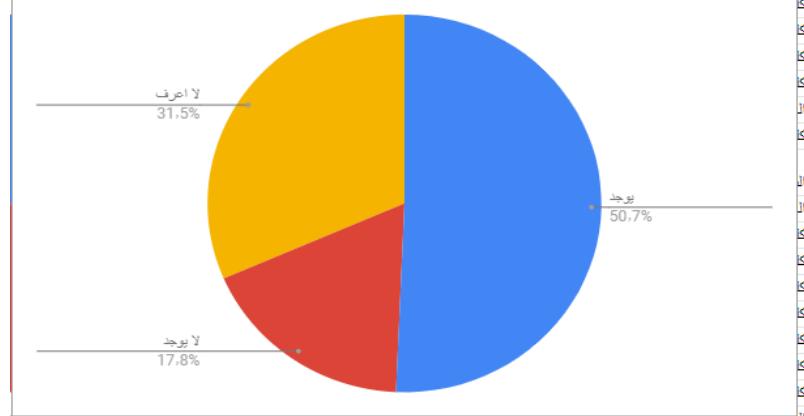


هل من المفيد اذا قام بالتطبيق بمقارنه بين الشركات واعطاء العميل الشركة الافضل للتعامل معها؟

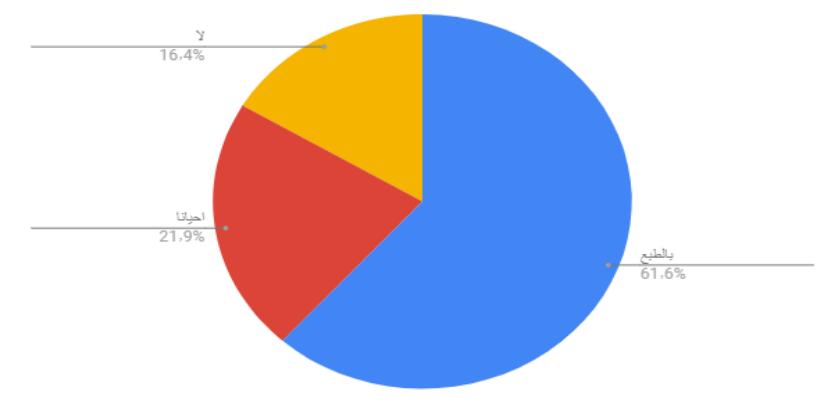




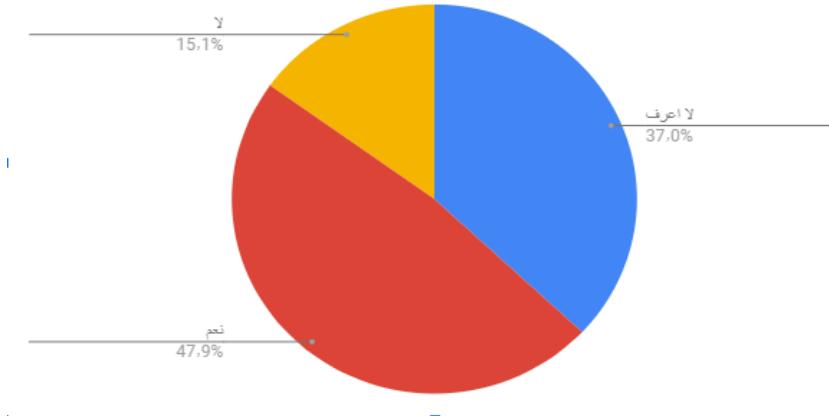
هل يوجد عروض وتخفيضات على بعض المواد هو سعر ثابت؟ Count of

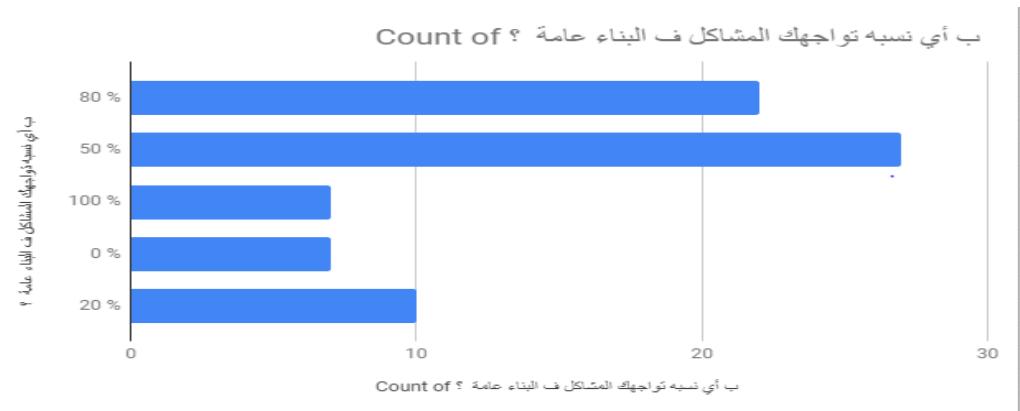
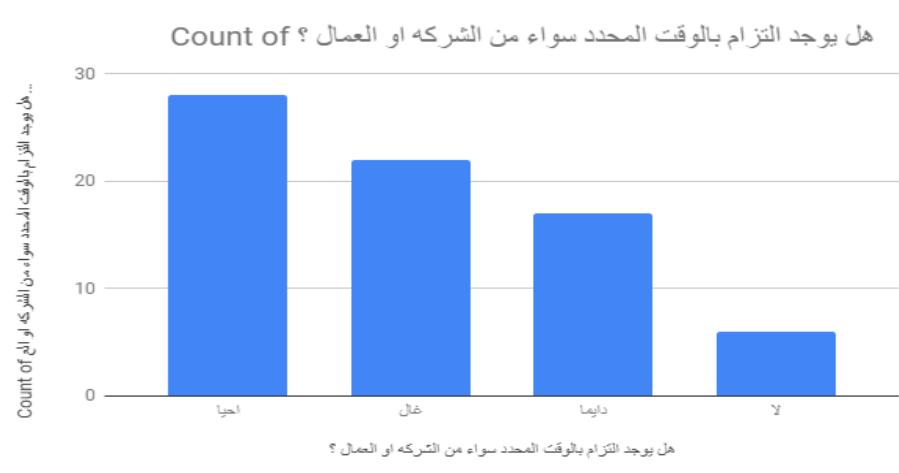
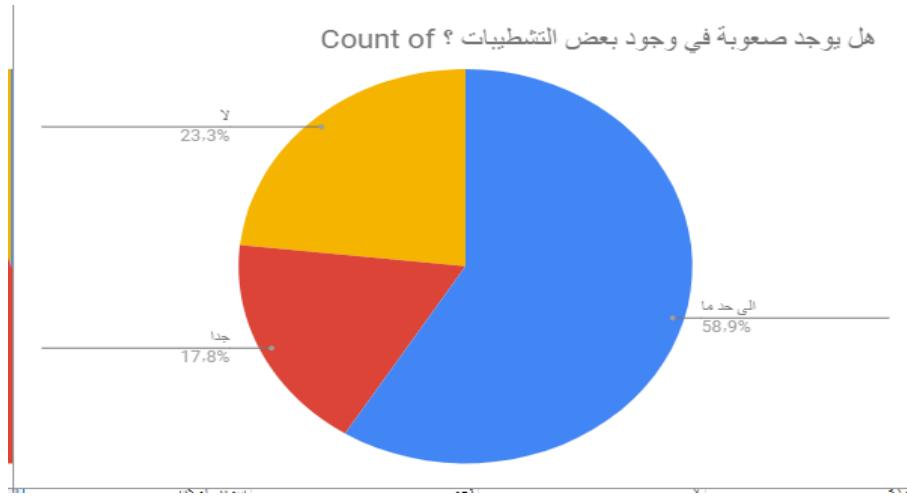


كميل هل تمر من وقت لأخر لرؤيه التشتيبات Count of

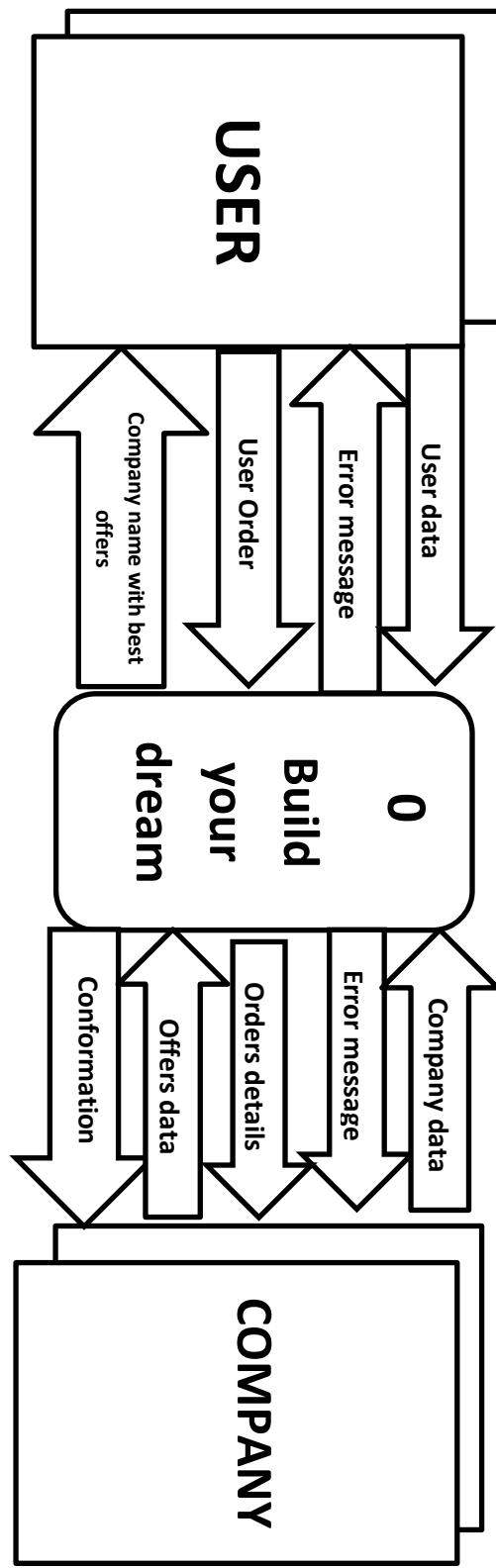


ف ايم ارتفاع مواد البناء بتلقي شركات زي ما هي ولا كله بيعلي ف الوقت ذاته Count of

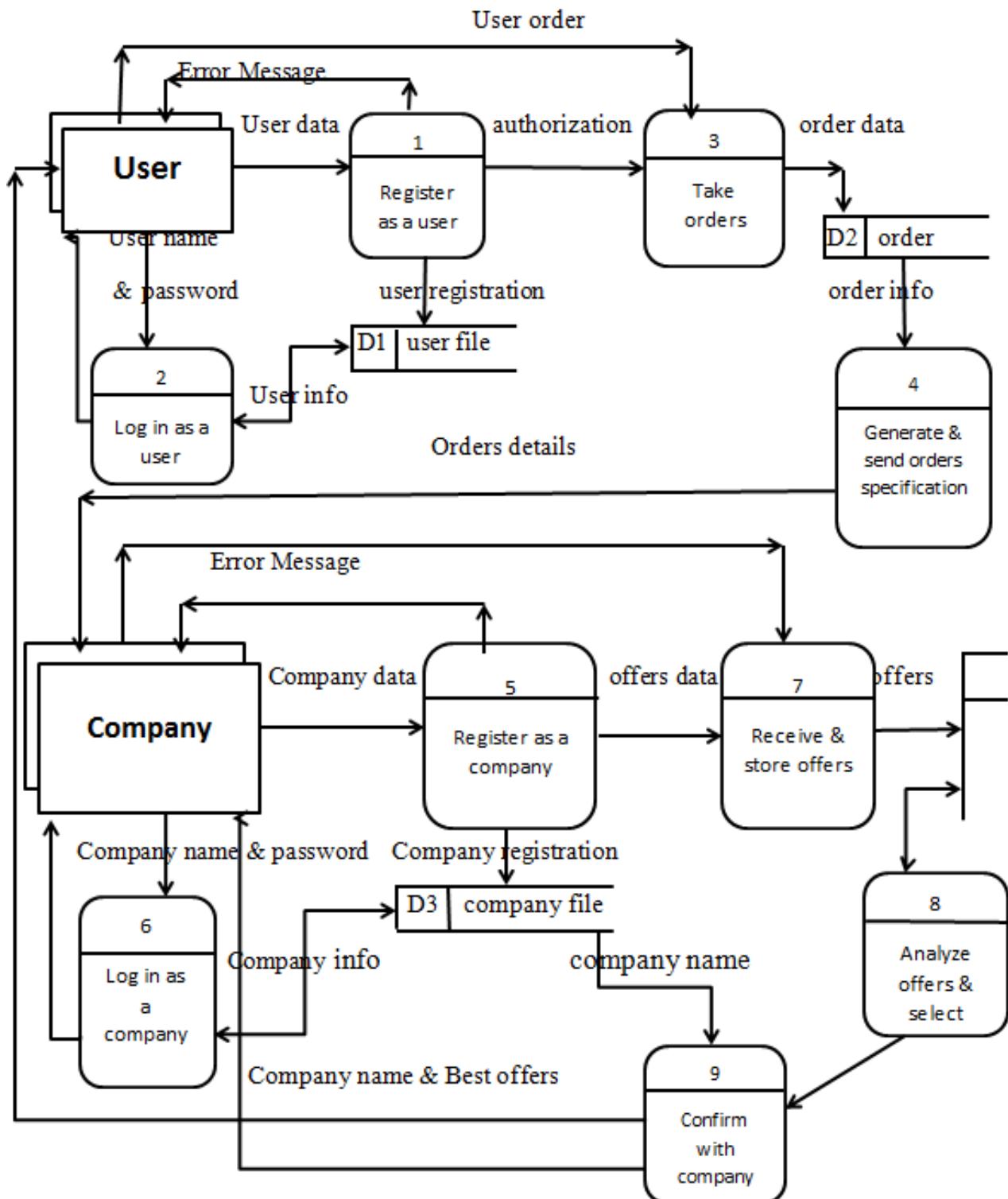




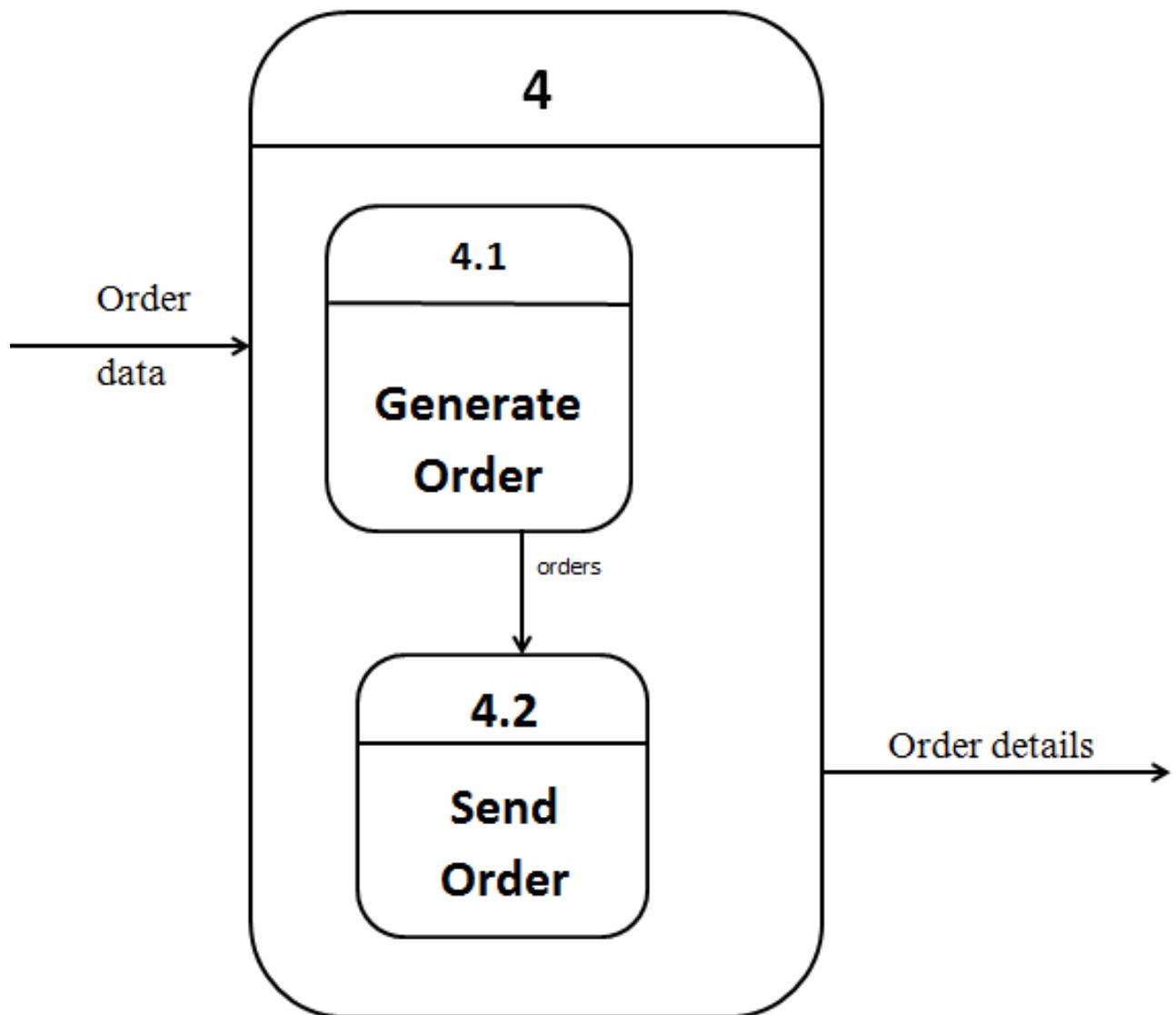
Context Diagram – Data Flow Diagram



Level/Diagram 0 - Data Flow Diagram



Child Diagram / Level 1 – Data Flow Diagram



8

8.1
**Analyze
the
offers**

Offers



8.2
**Select
Best
Offers**

All Offers

8.2

Select
Best
Offers

Best Offers



Data Dictionary

DFD: Data Flow

1. Description form for Data Flow :

ID	1
Label	User data
Description	It has information about the user
Source	User
Destination	Process1(register for user)
Type	Form
Data Structure	user information structure
Volume/Time	500 times per year
Comments	

ID	2
Label	Error message
Description	The message send when found the mistake
Source	Processs1(register as a user)
Destination	User
Type	Screen
Data Structure	error message structure
Volume/Time	200 times per years
Comments	A message appears when you enter error data

ID	3
Label	Authorization
Description	
Source	Process1(register for user)
Destination	Process2(take orders)
Type	Internal
Data Structure	Authorization structure
Volume/Time	500 times per year
Comments	

ID	4
Label	User order
Description	User give app the order that need
Source	User
Destination	Process3(take orders)
Type	Form
Data Structure	Order structure
Volume/Time	300times per year
Comments	User give app the order that need

ID	5
Label	order data
Description	request given by the user
Source	Process3(take orders)
Destination	d.s2(order file)
Type	File
Data Structure	Order data structure
Volume/Time	300times per year
Comments	The order of user store in file

ID	6
Label	Order info
Description	It is the user order that store in file
Source	d.s2(order file)
Destination	Process4(generate send order specification)
Type	Report
Data Structure	Order information structure
Volume/Time	300 times per year
Comments	User store the order in file

ID	7
Label	User name password
Description	App take name and pass from user
Source	User
Destination	Process2(log in as a user)
Type	Form
Data Structure	User name structure
Volume/Time	500times per year
Comments	User store the order in file

ID	8
Label	User registration
Description	That is file store user data
Source	Process1(register as a user)
Destination	Ds1(user file)
Type	File
Data Structure	User register structure
Volume/Time	500 times per year
Comments	That is file store user data

ID	9
Label	Order details
Description	App Order details of user TO company
Source	Process4(generate send order specification)
Destination	Company
Type	Screen
Data Structure	Order details structure
Volume/Time	300 times per year
Comments	Company take details from app

ID	10
Label	Company data
Description	It has information about company
Source	Company
Destination	Process5(register as a company)
Type	Form
Data Structure	Company data structure
Volume/Time	600times per year
Comments	Must put it

ID	11
Label	Company name, password
Description	name and pass that company log in with this
Source	Company
Destination	Process6(log in as a company)
Type	Form
Data Structure	Company name, password structure
Volume/Time	600 times per year
Comments	Company log in with data

ID	12
Label	Offers data
Description	The offers entered by company
Source	Process 5(register as a company)
Destination	Process7(receive store)
Type	Internal
Data Structure	Offers data
Volume/Time	500 times per year
Comments	Must put it

ID	13
Label	User info
Description	User information on application
Source	D1(user file)
Destination	Process 2(log in as user)
Type	Internal
Data Structure	User data
Volume/Time	500 times per year
Comments	Must be right to log in

ID	14
Label	Company offers
Description	Offers offered by companies
Source	Entity (Company)
Destination	Process7(receive store)
Type	Internal
Data Structure	Company offers
Volume/Time	500 times per year
Comments	

ID	15
Label	Company registration
Description	Information about company
Source	Process 5(register as a company)
Destination	D3 (company file)
Type	Internal
Data Structure	Company info
Volume/Time	600 times per year
Comments	

ID	16
Label	Company info
Description	company name and password must be right to log in
Source	D3 (company file)
Destination	Process6(log in as a company)
Type	Internal
Data Structure	Company name and password
Volume/Time	600 times per year
Comments	

ID	17
Label	Company name
Description	Company name matched with best offers
Source	D3 (company file)
Destination	Process9 (confirm with company)
Type	Internal
Data Structure	Company name
Volume/Time	500times per year
Comments	

ID	18
Label	Company name & Best offers
Description	Company name with its offers
Source	Process 9 (confirm with company)
Destination	Entity (User)
Type	Internal
Data Structure	Offers data
Volume/Time	500 times per year
Comments	

ID	19
Label	Offers
Description	Offers taken from company
Source	Process7(receive & store offers)
Destination	D4 (offers file)
Type	Internal
Data Structure	Offers data
Volume/Time	500 times per year
Comments	

ID	20
Label	Best offers
Description	Best offers offered by companies
Source	Process 8(analyze offers & select)
Destination	Process9(confirm with company)
Type	Internal
Data Structure	Offers data
Volume/Time	500times per year
Comments	

ID	21
Label	Offers info
Description	Offers information
Source	D4 (offers file)
Destination	Process 8(analyze offers & select)
Type	Internal
Data Structure	Offers data
Volume/Time	500 times per year
Comments	

ID	22
Label	confirmation
Description	Message send to company to tell it that the application accept its offers
Source	Process9(confirm with company)
Destination	Entity (Company)
Type	Internal
Data Structure	Message
Volume/Time	500times per year
Comments	

2. Data Structure for Data Flow :

User data = UID + Name + Password + Location + (Email) + {Phone}

User info = user data

User registration = user data

Username & Password = Name + Password

Company data = CID + CName + Password + {Material} + (Email) + {Phone}

Company info = company data

Company registration = company data

User order = Money + N-Interface + area + license + location + N-floor +
Neighbourhood _Instruction + the Drawing

Order details = user order

Order data = user order

Offer data = C Name + Material + location + prices + quantity + rate

Offer info = offer data = Best offer = offers = company offers

Company name = C Name

Error message = Error message

Confirmation = confirmation

Company name & Best offers = C Name + Best offers

3. Structural Record :

Phone = code + number

Location = street +city

Name = First_Name + Last_Name

4. Data Elements :

ID	1
Name	U id
Alias	User id
Description	Unique number for each user
Length	4
Input Format	9(4)
Output Format	9(4)
Default Value	1
Continuous / Discrete	Continuous
Type	Number
Base / Derived	Base
Upper Limit	999
Lower Limit	1
Discrete	-----
Comments	-----

ID	2
Name	Error message
Alias	Mistake
Description	The message send when found the mistake
Length	5
Input Format	x(5)
Output Format	X(5)
Default Value	10
Continuous / Discrete	Continuous
Type	String . number
Base / Derived	Derived
Upper Limit	13
Lower Limit	13
Discrete	-----
Comments	A message appears when you enter error data

ID	3
Name	fName
Alias	First name
Description	Attribute important for data
Length	9
Input Format	x(9)
Output Format	x(9)
Default Value	10
Continuous / Discrete	Continuous
Type	String
Base / Derived	Base
Upper Limit	100
Lower Limit	5
Discrete	-----
Comments	User must put it

ID	4
Name	lName
Alias	Last name
Description	Attribute important for data
Length	9
Input Format	x(9)
Output Format	x(9)
Default Value	10
Continuous / Discrete	Continuous
Type	String
Base / Derived	Base
Upper Limit	100
Lower Limit	5
Discrete	-----
Comments	User must put it

ID	5
Name	Password
Alias	Pw
Description	Attribute important for data
Length	9
Input Format	x(9)
Output Format	x(9)
Default Value	10
Continuous / Discrete	Discrete
Type	String
Base / Derived	Base
Upper Limit	16
Lower Limit	8
Discrete	-----
Comments	User must put it

ID	6
Name	Money
Alias	Price
Description	Money of the build that user and company need
Length	9
Input Format	9(9)
Output Format	9(9)
Default Value	10
Continuous / Discrete	Continuous
Type	Number
Base / Derived	Base
Upper Limit	999999999
Lower Limit	1500
Discrete	-----
Comments	User must put it

ID	7
Name	Street
Alias	---
Description	Address of company and building
Length	9
Input Format	x(9)
Output Format	x(9)
Default Value	10
Continuous / Discrete	Continuous
Type	String
Base / Derived	Base
Upper Limit	100
Lower Limit	10
Discrete	-----
Comments	User must put it

ID	8
Name	City
Alias	---
Description	Address of company and building
Length	9
Input Format	x(9)
Output Format	x(9)
Default Value	10
Continuous / Discrete	Continuous
Type	String
Base / Derived	Base
Upper Limit	100
Lower Limit	10
Discrete	-----
Comments	User must put it

ID	9
Name	Area
Alias	A
Description	Area of the build
Length	9
Input Format	10(9)
Output Format	10(9)
Default Value	10
Continuous / Discrete	Discrete
Type	Number
Base / Derived	Base
Upper Limit	999999
Lower Limit	10
Discrete	-----
Comments	User must put it

ID	10
Name	License
Alias	L
Description	Attribute important for data
Length	9
Input Format	x(9)
Output Format	x(9)
Default Value	10
Continuous / Discrete	Continuous
Type	String
Base / Derived	Base
Upper Limit	99
Lower Limit	6
Discrete	-----
Comments	User must put it

ID	11
Name	n-interface
Alias	-----
Description	Number of interfaces
Length	9
Input Format	10(9)
Output Format	10(9)
Default Value	10
Continuous / Discrete	Continuous
Type	Number
Base / Derived	Base
Upper Limit	10
Lower Limit	2
Discrete	-----
Comments	User must put it

ID	12
Name	Materials
Alias	-----
Description	Material that need to build
Length	20
Input Format	x(20)
Output Format	x(20)
Default Value	10
Continuous / Discrete	Continuous
Type	String
Base / Derived	Derived
Upper Limit	500
Lower Limit	10
Discrete	-----
Comments	User must put it

ID	13
Name	Quantity
Alias	-----
Description	Quantity of materials that build by it
Length	9
Input Format	10(9)
Output Format	10(9)
Default Value	10
Continuous / Discrete	Continuous
Type	String .number
Base / Derived	Derived
Upper Limit	99999
Lower Limit	500
Discrete	-----
Comments	User must put it

ID	14
Name	Code
Alias	-----
Description	Government code
Length	9
Input Format	10(9)
Output Format	10(9)
Default Value	10
Continuous / Discrete	discrete[
Type	.number
Base / Derived	Base
Upper Limit	100
Lower Limit	1
Discrete	-----
Comments	User must put it

ID	15
Name	Number
Alias	-----
Description	Phone Number
Length	11
Input Format	9(11)
Output Format	9(11)
Default Value	10
Continuous / Discrete	Continuous
Type	.number
Base / Derived	Base
Upper Limit	100
Lower Limit	1
Discrete	-----
Comments	User must put it

ID	16
Name	CID
Alias	-----
Description	Company ID
Length	9
Input Format	9(9)
Output Format	9(9)
Default Value	10
Continuous / Discrete	Continuous
Type	.number
Base / Derived	Base
Upper Limit	100
Lower Limit	1
Discrete	-----
Comments	User must put it

ID	17
Name	CNAme
Alias	-----
Description	Company Name
Length	40
Input Format	x(40)
Output Format	x(40)
Default Value	10
Continuous / Discrete	Continuous
Type	String
Base / Derived	Base
Upper Limit	500
Lower Limit	100
Discrete	-----
Comments	User must put it

ID	18
Name	Neighborhood_instruction
Alias	-----
Description	Information about neighborhood
Length	500
Input Format	x(500)
Output Format	x(500)
Default Value	600
Continuous / Discrete	Continuous
Type	String
Base / Derived	Derived
Upper Limit	500
Lower Limit	10
Discrete	-----
Comments	User must put it

ID	19
Name	The Drawing
Alias	-----
Description	Build draw
Length	120*120
Input Format	9(120)
Output Format	9(120)
Default Value	10
Continuous / Discrete	Continuous
Type	number
Base / Derived	Base
Upper Limit	99999
Lower Limit	100
Discrete	-----
Comments	User must put it

ID	20
Name	N_floor
Alias
Description	Number of floor
Length	20
Input Format	9(20)
Output Format	9(20)
Default Value	10
Continuous / Discrete	Continuous
Type	.number
Base / Derived	Base
Upper Limit	20
Lower Limit	1
Discrete	-----
Comments	User must put it

ID	21
Name	Prices
Alias
Description	The Price of Martials
Length	20
Input Format	9(20)
Output Format	9(20)
Default Value	10
Continuous / Discrete	Continuous
Type	number
Base / Derived	Base
Upper Limit	20
Lower Limit	1
Discrete	-----
Comments	

ID	22
Name	Rate
Alias
Description	Rate of companies
Length	2
Input Format	9(2)
Output Format	9(2)
Default Value	0
Continuous / Discrete	Continuous
Type	number
Base / Derived	Base
Upper Limit	10
Lower Limit	0
Discrete	-----
Comments	

5. Data Store :

ID	D1
Name	User file
Alias	User Record
Description	This file contains information about the user and the login information for the account
File Type	Computer based
File Format	Data base
Record Size	600 Characters
Maximum Records	10000
Average Records	8000
Growth per Year	1%
Data Set	
Data Structure	User file
Primary Key	User id
Secondary Key	Password
Comments	This file contains information about the user and the date modified by the period of time

ID	D2
Name	Order file
Alias	User record order
Description	This file contains the user request
File Type	Computer based
File Format	Data base
Record Size	500 characters
Maximum Records	10000
Average Records	7000
Growth per Year	2%
Data Set	
Data Structure	Order file
Primary Key	Type of order
Secondary Key	Information
Comments	This file contains the type of request that the user wants

ID	D3
Name	Company file
Alias	Company record
Description	This file contains information about the user and the login information for the account
File Type	Computer based
File Format	Data base
Record Size	500 characters
Maximum Records	10000
Average Records	5000
Growth per Year	1%
Data Set	
Data Structure	Company record
Primary Key	Company ID
Secondary Key	Password
Comments	This file contains information about the company and the date modified by the period of time

ID	D4
Name	Offers file
Alias	Offers record
Description	This file contains the offers submitted by the companies and can determine the client who wants it
File Type	Computer based
File Format	Data base
Record Size	800 characters
Maximum Records	10000
Average Records	6000
Growth per Year	2%
Data Set	
Data Structure	Offers Structure
Primary Key	Types of offer
Secondary Key	Type of raw materials
Comments

Process Specification

(for all elements)

process Specification

Number: 1

Name: Register as a user

Description: : through which the client logs on the program

Input Data Flow

User data

Output Data Flow

- 1- User Registration
- 2- Authorization
- 3- Error Message

Type of Process



online



Batch



Manual

Process Logic

If you register as a user then

If information is correct then

Save user registration

End if

do authorization

else

error message

end if



Structured English



Decision Table



Decisions Tree

Unresolved Issues:-

Process Specification

Number: 2

Name: log in as a user

Description: : through which the client logs on the company

Input Data Flow

- 1- user name & password
- 2- user info

Output Data Flow

User info

Type of Process



Online



Batch



Manual

Process Logic:

One input and one output this is simple method



Structured English



Decision Table



Decision Tree

Unresolved Issues:

Process Specification

Number: 3

Name: take order

Description: : This process takes the customer's request and shows it

Input Data Flow :-

Authorization

Output Data Flow

Order data

Type of Process



Online



Batch



Manual

Process Logic:

One input and one output this is simple method



Structured English



Decision Table



Decision Tree

Unresolved Issues:

Process Specification

Number: 5

Name: register as a company

Description: : through which the Company logs on the program

Input Data Flow

Company data

Output Data Flow

- 1- offer data
- 2- company registration

Type of Process



Process Logic:

If you register as a company then

If information is correct then

Save company registration

End if

do offers data

else

error message

end if



Structured English



Decision Table



Decision Tree

Unresolved Issues:

Process Specification

Number: 6

Name: log in as a company

Description: through which the company logs on

Input Data Flow

Company name & password

Company info

Output Data Flow

Company info

Type of Process



Online



Batch



Manual

Process Logic:

One input and one output this is simple method



Structured English



Decision Table



Decision Tree

Unresolved Issues:

Process Specification

Number: 7

Name: Receive & Store Offers

Description: This process is to receive offers from companies and keep them

Input Data Flow

Offers data

Output Data Flow

Offers

Type of Process



Online



Batch



Manual

Process Logic:-

One input and one output this is simple method



Structured English



Decision Table



Decision Tree

Unresolved Issues:

This process makes it easy for the customer to choose the materials and materials needed and suitable for him

Process Specification

Number: 9

Name: Confirm with Company

Description: This process is based on an agreement between the client and the producing company

Input Data Flow

- 1- Company name
- 2- Select Offers

Output Data Flow

- 1- Company Constrains
- 2- Company Information

Type of Process



Process logic:

condition	rules			
	1	2	3	4
1 - Company name	y	y	n	n
2 - Select Offers	y	n	y	n
Action				
1- Company Information			#	
2- Company Constrains				#
3- Company Information& Constrains		#		
4- Error				#



Unresolved Issues:

Child

Process Specification

Number: 4-1

Name: Generate order

Description: This process takes the data stored by the clients request and displays it

Input Data Flow

Order data

Output Data Flow

Order details

Type of Process



Process Logic: One input and one output this is simple method



Unresolved Issues:

Process Specification

Number 4.2

Name: Send order

Description: : This process takes the data stored by the clients request and displays it

Input Data Flow

Order data

Output Data Flow

Order details

Type of Process



Process Logic:

One input and one output this is simple method



Unresolved Issues:

Process Specification

Number: 8-1

Name: Analyze the offer

Description: This process shows the client I have and choose the best one suitable for him

Input Data Flow

Offers information

Output Data Flow

Best Offer

Type of Process

Online Batch Manual

Process Logic: : One input and one output this is simple method

Structured English Decision Table Decision Tree

Unresolved Issues:

Process Specification

Number:- 8-2

Name: Select Best Offer

Description: : This process shows the client I have and choose the best one suitable for him

Input Data Flow

Offer Information

Output Data Flow

Best Offers

Type of Process



Online



Batch



Manual

Process Logic: One input and one output this is simple method



Structured English



Decision Table



Decision Tree

Unresolved Issues:

Normalization

Normal Tables :

uid	★	name	e-mail	Password	order	phone	capital
-----	---	------	--------	----------	-------	-------	---------

User :

cid	★	name	e-mail	Password	phone	location	Material	quantity	price
-----	---	------	--------	----------	-------	----------	----------	----------	-------

Company :

license	★	area	location	N-floor	N-Interface	Neighborhood instructions	The drawing
---------	---	------	----------	---------	-------------	---------------------------	-------------

Tables After 1NF :

uid	★	name	e-mail	Password	order	Money
-----	---	------	--------	----------	-------	-------

User :

uid	★	phone	★
-----	---	-------	---

cid	★	name	e-mail	Password	location	Material	quantity	price
-----	---	------	--------	----------	----------	----------	----------	-------

Company :

license	★	area	location	N-floor	N-Interface	Neighbourhood instructions	The drawing
---------	---	------	----------	---------	-------------	----------------------------	-------------

Tables After 2NF :

User :

license ★	area	location	N-floor	N-Interface	Neighborhood instructions	The drawing

uid ★	phone ★

Company :

uid ★	phone ★

cid★	name	e-mail	Password	location	Material	quantity	price

Buliding :

cid★	name	e-mail	Password	location	Material	quantity	price

Tables After 3NF :

User :

uid	★	name	e-mail	Password	order
-----	---	------	--------	----------	-------

order	★	capital
-------	---	---------

uid	★	phone	★
-----	---	-------	---

Company :

Material	★	quantity	price	cid	★	phone	★
----------	---	----------	-------	-----	---	-------	---

cid	★	name	e-mail	Password	location	Material
-----	---	------	--------	----------	----------	----------

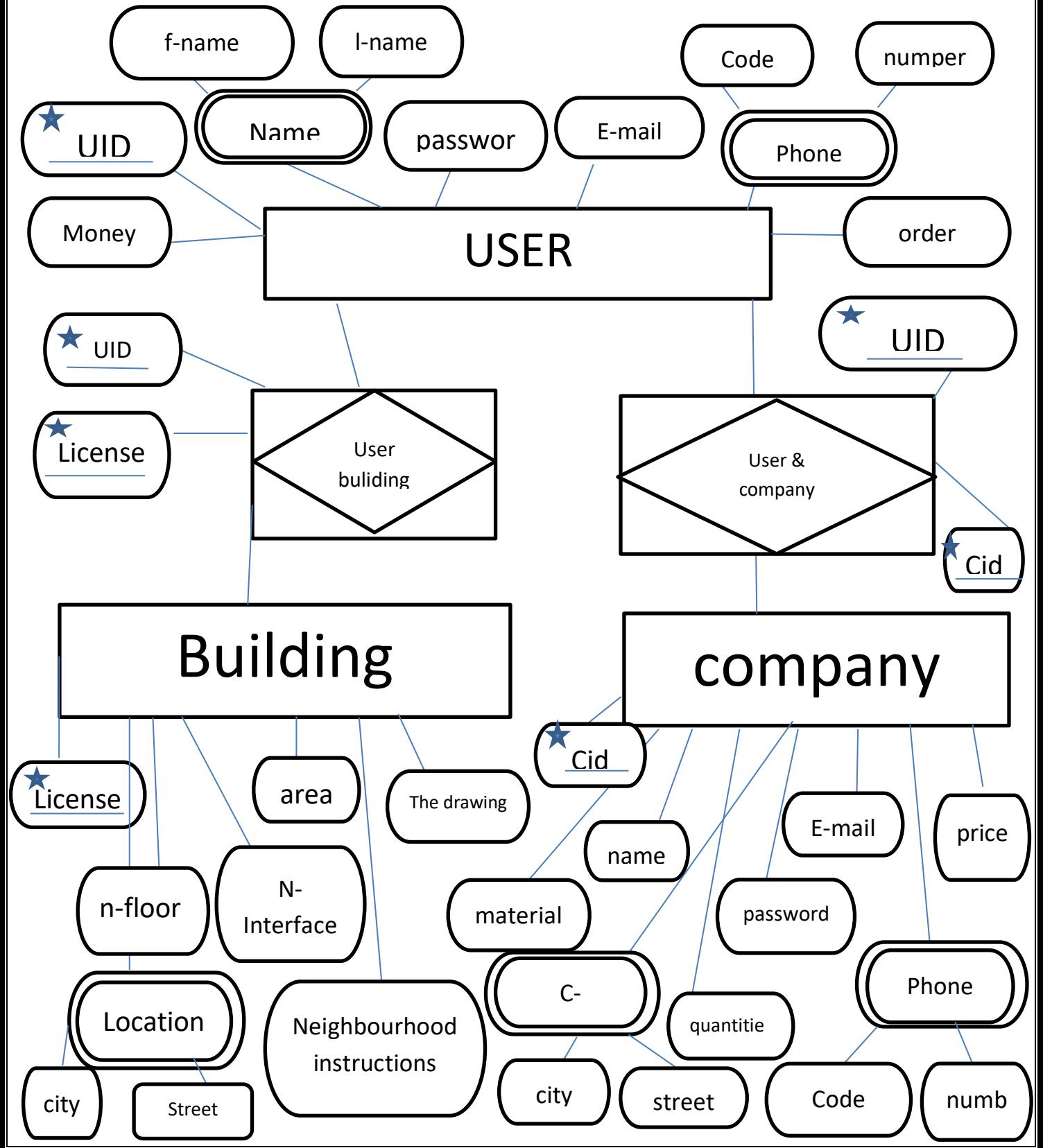
Building :

area	★	The drawing
------	---	-------------

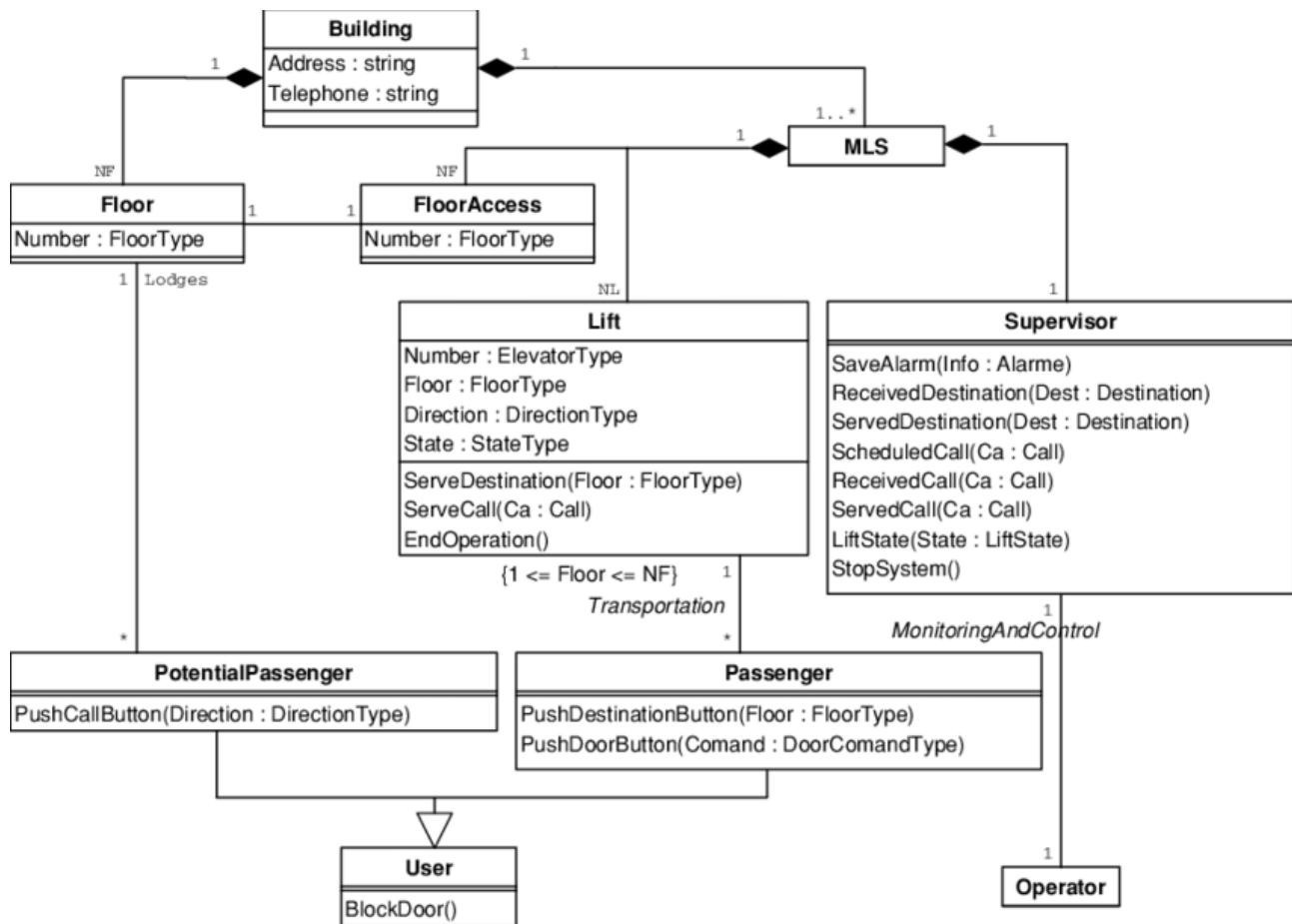
location	★	N-Interface
----------	---	-------------

license	★	area	location	N-floor	Neighborhood instructions
---------	---	------	----------	---------	---------------------------

Entity Relationship Diagram(ERD)



Unified Modeling Language (UML)



Design (Project Specification)

Architecture Design

1. Operational Researches :

Technical Environment	<ul style="list-style-type: none">- System works with Mozilla over the environment of web.- On desktop , customers just need Mozilla .
System Integration	<ul style="list-style-type: none">- Internet system reads information from the main building information database that includes basic information.- In the main customer data base , internet system will read and write.
Probability	<ul style="list-style-type: none">- System must maintain current web standards .
Maintainability	<ul style="list-style-type: none">- No clear specifications of maintenance .

2. Performance Requirements :

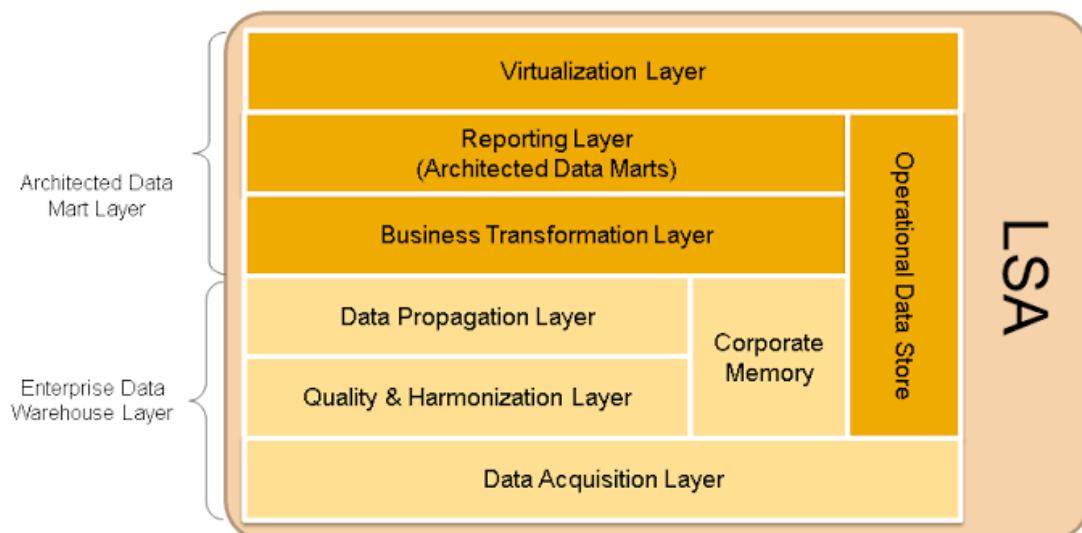
Speed	<ul style="list-style-type: none">- Response time must be below 7 seconds.- Speeds of download should be kept above industry standard .- Internet connection form which is used to download must be specified by customers.
Capacity	<ul style="list-style-type: none">- At peak times , there will be no more than 100 competitor users.- System supports up to 50 synchronized users .
Availability and Reliability	<ul style="list-style-type: none">- The system should be available .- The machine has an duration of 99 percent .

3. Security Requirements :

System Value	- No requirements for special system value .
Acess Control	- All the customers have username and password access to their accounts.
Encryption/Authentication	- Customer payment must be securely transmitted.
Virus Control	- You must verify downloads as free and empty of viruses .

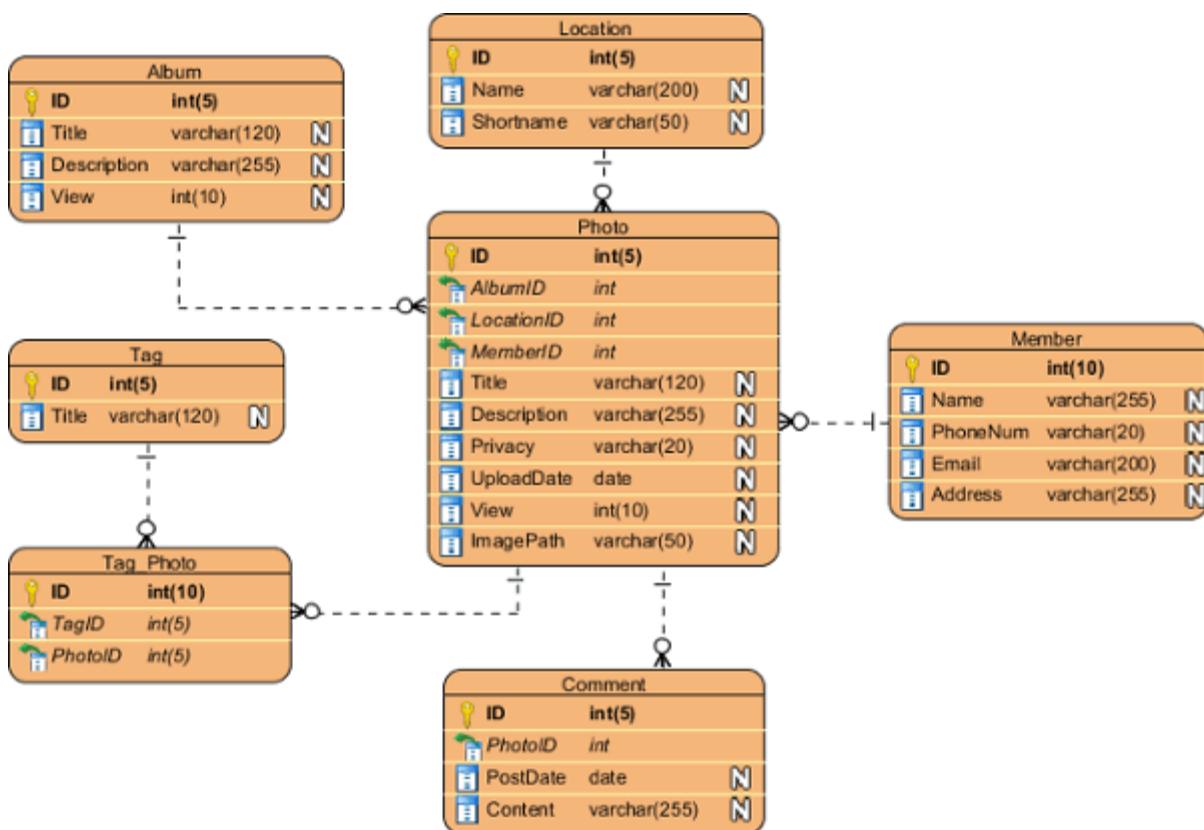
Data Storage Design

Data Storage Format :

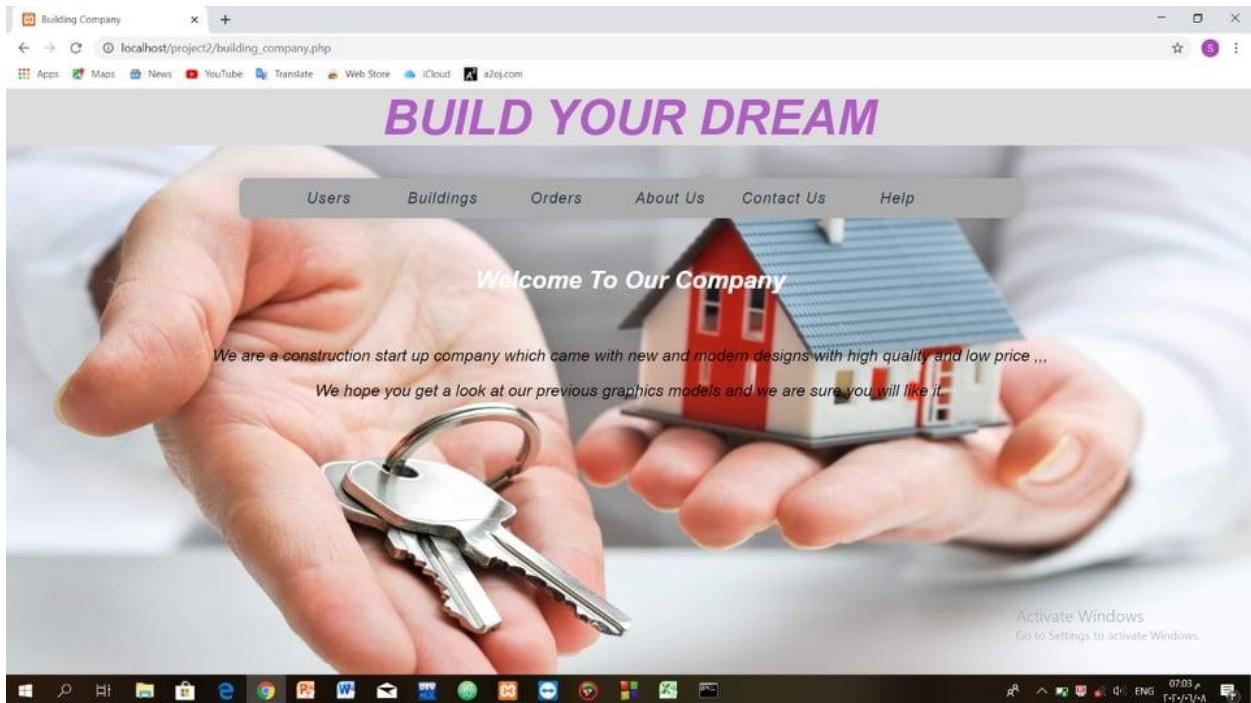


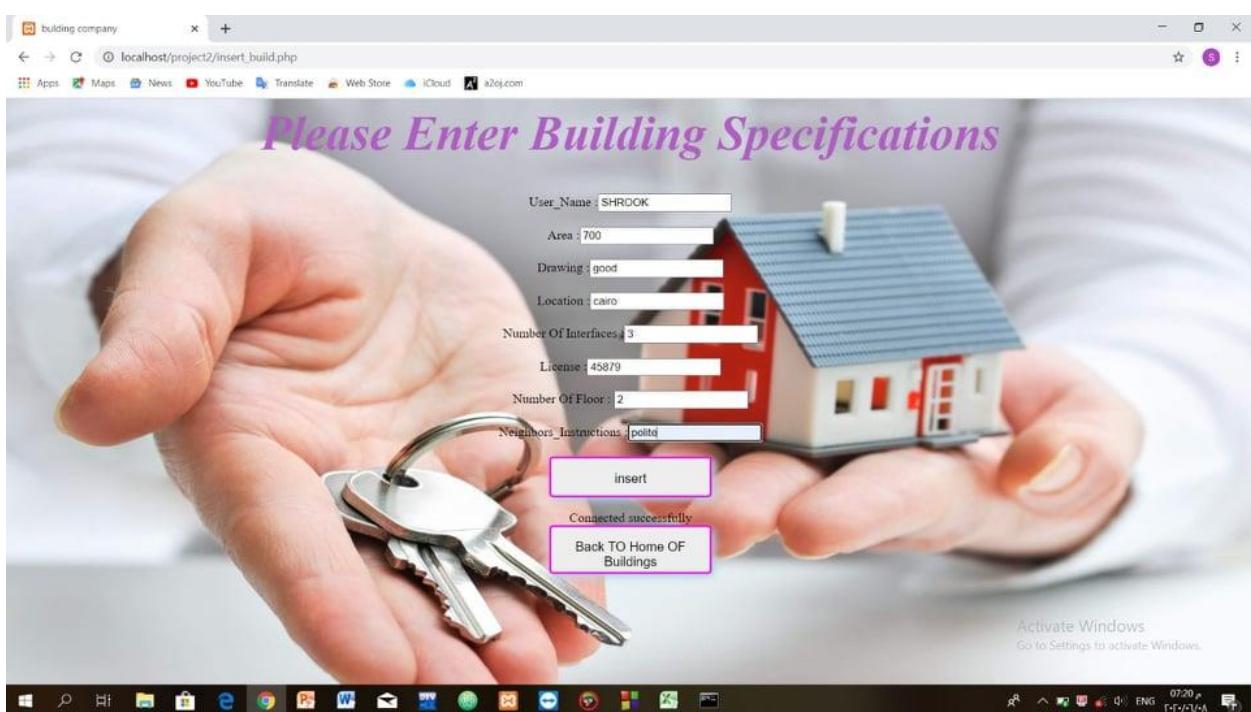
Program Design

Convert Logical ERD to Physical ERD :



Interface Design





Please Enter User Data

user id :
user name :
user e_mail :
user pass :
user order :
user capital :
user phone :

insert

Connected successfully

[Back TO Home OF Users](#) [Go To Insert Building](#)

Activate Windows
Go to Settings to activate Windows.

building company

localhost/project2/insert_pro_system.php

Apps Maps News YouTube Translate Web Store iCloud a2ej.com

Windows taskbar icons

Deleting Building After Doing It

Enter The User Name To Delete His Done Building

User Name :

Show First

Connected successfully
User Name : SHROOK

Area : 700
Drawing : good
Location : cairo
Number Of Interfaces : 3
License : 45679
Number Of Floor : 2
Neighbors Instructions : polite

Delete

Back TO Home OF

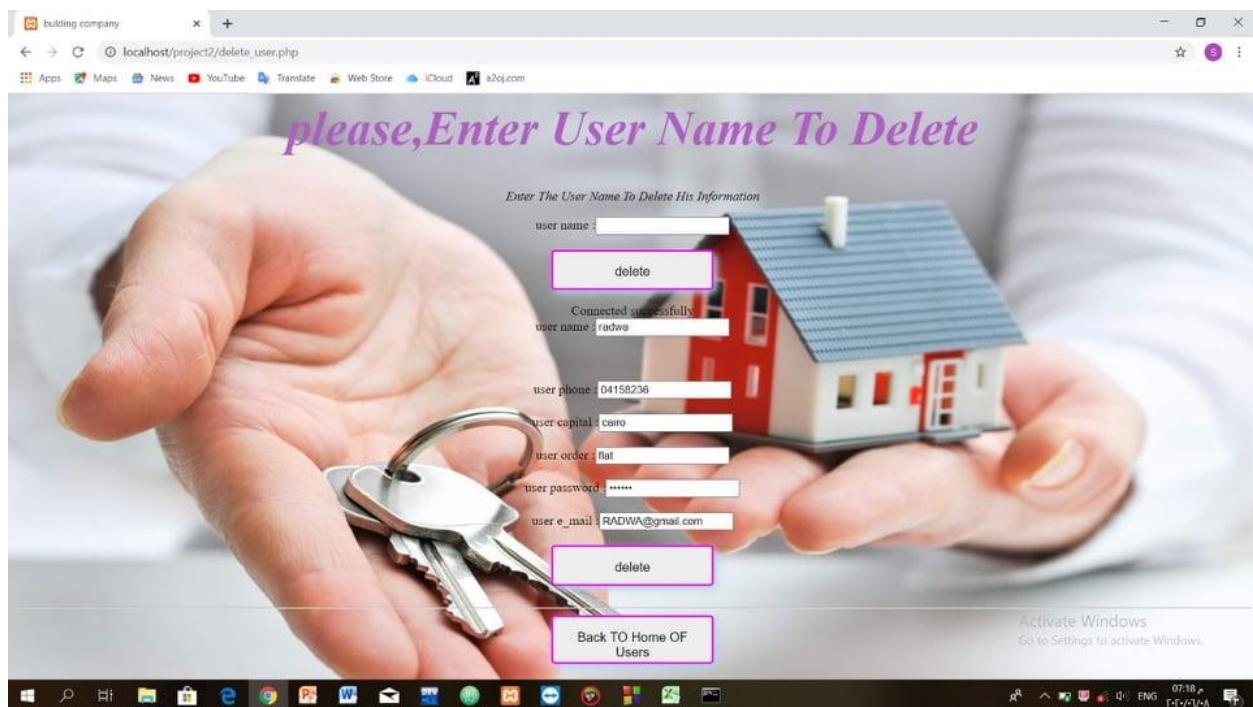
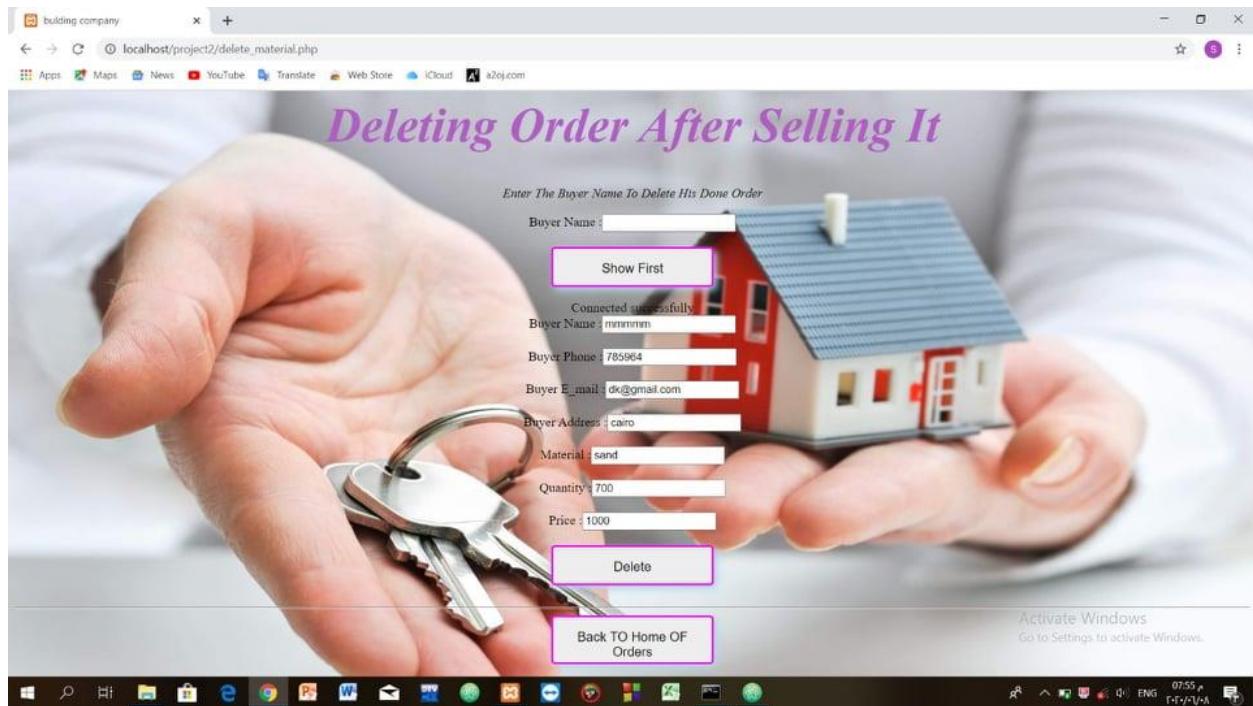
Activate Windows
Go to Settings to activate Windows.

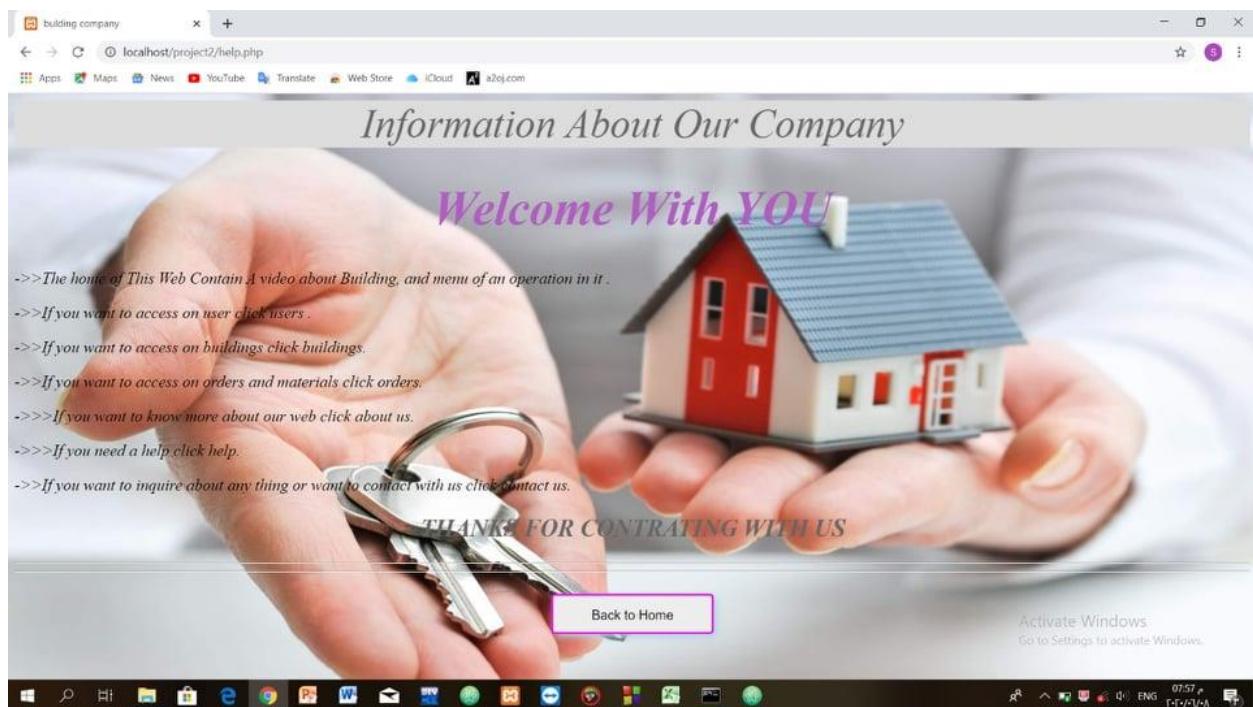
building company

localhost/project2/delete_building.php

Apps Maps News YouTube Translate Web Store iCloud a2ej.com

Windows taskbar icons





Data Of Sell Materials

Buyer Name :

Buyer Phone : 785964

Buyer E-mail : dk@gmail.com

Buyer Address : cairo

Material : sand

quantity : 700

Price : 1000

insert

Connected successfully

Back TO Home OF Orders

The image shows a close-up of a person's hands. The left hand is open palm-up, holding a set of silver keys. The right hand is also open, holding a small, colorful model house with a red roof and blue walls. Superimposed over the hands is a web browser window titled "building company" showing the URL "localhost/project2/insert_build.php". The main content of the page is a form with the heading "Please Enter Building Specifications" in a large, bold, purple font. The form contains seven input fields with labels: "User_Name", "Area", "Drawing", "Location", "Number Of Interfaces", "License", and "Number Of Floor". Below these fields is a "Neighbors_Instructions" field. At the bottom of the form are two buttons: a pink "insert" button and a pink "Connected successfully" message box, and a blue "Back TO Home OF Buildings" button.

building company

localhost/project2/select_matrial.php

Show a Specific Order

Show All Orders Recorded

Connected successfully

Buyer Name	Buyer phone	Buyer E mail	Buyer Address	Material	Quantity	Price
shrouk	1236547	sh@gmail.com	għarbyha	pant	100	500

Back TO Home OF Orders

Activate Windows
Go to Settings to activate Windows.

Windows taskbar with various icons and system status.

building company

localhost/project2/insert_build.php

Please Enter Building Specifications

User_Name :

Area :

Drawing :

Location :

Number Of Interfaces :

License :

Number Of Floor :

Neighbors_Instructions :

insert

Connected successfully
Thanks, Your Build Will Be Ready Soon

Back TO Home OF Buildings

Activate Windows
Go to Settings to activate Windows.

Windows taskbar with various icons and system status.

The image shows a screenshot of a web browser displaying a user management application. The title 'Our Users' is centered at the top in a purple font. Below the title, there are two buttons: 'show a specific user' and 'show all users'. A central table displays a list of users with columns: id, name, e-mail, password, request, capital, and phone. The data is as follows:

id	name	e-mail	password	request	capital	phone
1	shrouk	SHROUK	25639	house	cairo	7575757
2	samira	SAMIRA	369147	flat	cairo	987564
3	ahmed	AHMED	52	company	cairo	15962
4	ahmed	AHMEDI	56739	park	cairo	04158236
5	radwa	RADWA@gmail.com	256457	flat	airo	04158236

Below the table, a button labeled 'Connected successfully' is visible. To the right of the table, there is a small 3D model of a red and blue house. At the bottom of the application window, a button says 'Back TO Home OF Users'. The background of the page features a photograph of a person's hands holding a set of silver keys.

The screenshot shows a web browser window with the URL `localhost/project2/select_matrial.php`. The page has a background image of a person's hands holding a set of keys and a small red and blue house model. Overlaid on the image are several text boxes and a table.

Registered Orderd

Show a Specific Order

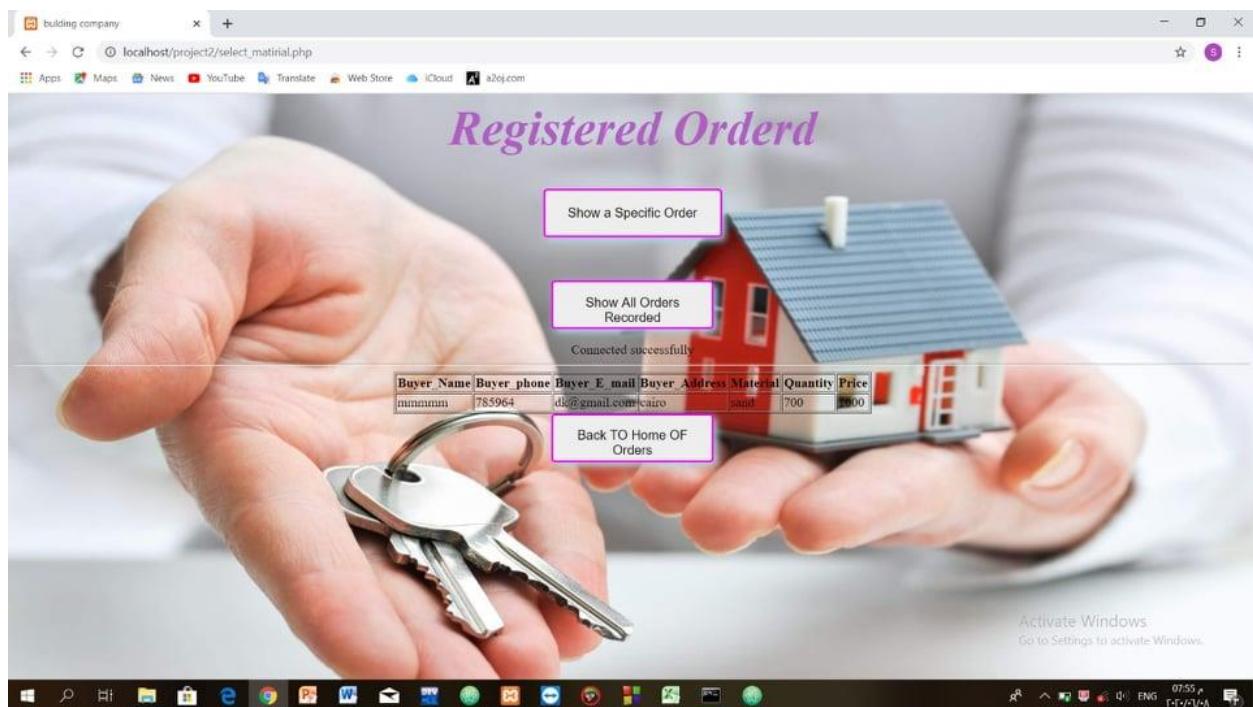
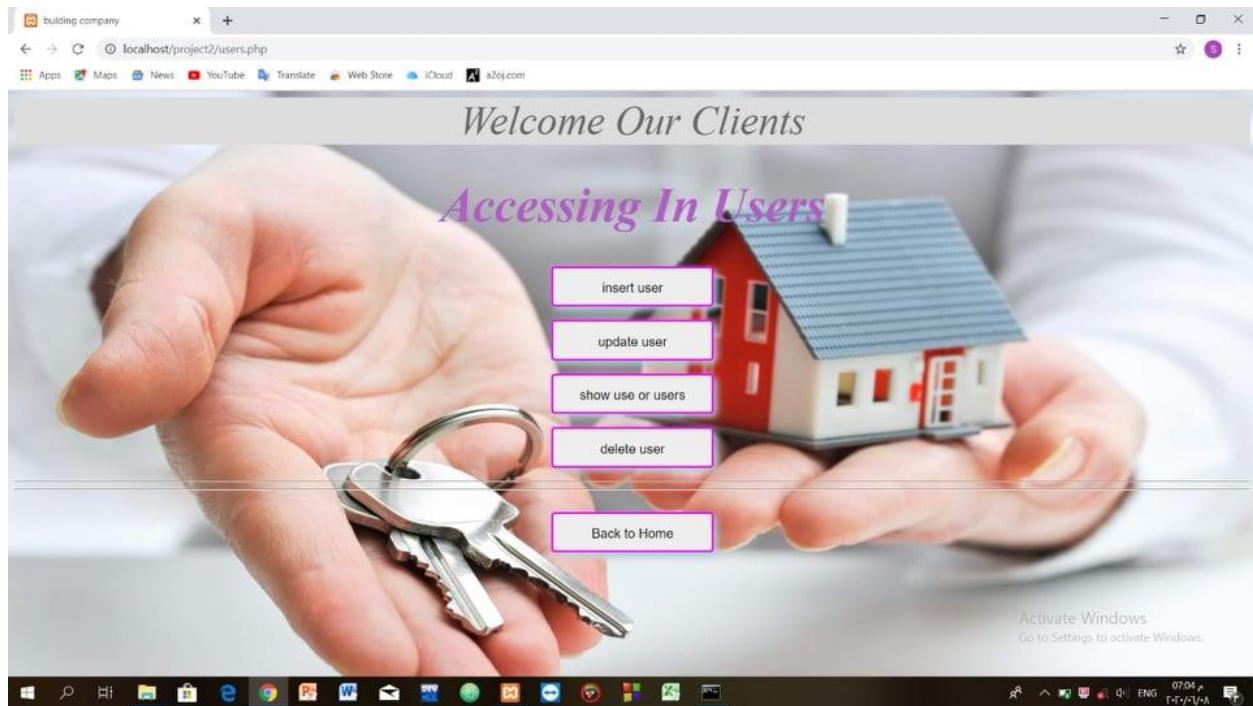
Show All Orders Recorded

Connected successfully

Buyer Name	Buyer phone	Buyer E_mail	Buyer Address	Material	Quantity	Price
shrouk	1236547	sh@gmail.com	gharbya	sand	100	500
shrouk	785964	dk@gmail.com	candy	sand	700	1000

Back TO Home OF Orders

Activate Windows
Go to Settings to activate Windows.



building company

localhost/project2/contact.php

Apps Maps News YouTube Translate Web Store iCloud a2ej.com

Contact With Us

Here You Can Contact With Any One Of Us

->>>> e_mail: Shrouk@gmail.com
->>>> phone: [1234896](tel:1234896)

->>>> e_mail: Samira@gmail.com
->>>> phone: [695874](tel:695874)

->>>> e_mail: Ahmed@gmail.com
->>>> phone: [25487036](tel:25487036)

->>>> e_mail: Ahmed1@gmail.com
->>>> phone: [4785690](tel:4785690)

We Will Respond To You Soon

Activate Windows
Go to Settings to activate Windows.

Back to Home

A screenshot of a web browser window titled "building company". The URL is "localhost/project2/contact.php". The page content includes contact information for four individuals, each with an email and a phone number. Below the contact info is a message "We Will Respond To You Soon". At the bottom right is a link to "Activate Windows". A "Back to Home" button is at the bottom center. The background features a photograph of a hand holding a set of keys and a small model house.

building company

localhost/project2/about.php

Apps Maps News YouTube Translate Web Store iCloud a2ej.com

Information About Our Company

Welcome With YOU

Hello everyone, we hope that our company gets your admiration. This company was specially designed to achieve people's dreams in a good building and at the lowest cost. Designed in 2019, employees work on developing it for the better and we are in a permanent development. Our company also allows the sale of raw materials at reasonable prices, and there is an appropriate privacy to maintain data. The customer and also our company are distinguished by the attractive designs and the lowest cost. We hope that we will be at your expectation and that you will like it.

THANKS FOR CONTRACTING WITH US

Activate Windows
Go to Settings to activate Windows.

Back to Home

A screenshot of a web browser window titled "building company". The URL is "localhost/project2/about.php". The page content starts with a welcome message and a paragraph about the company's mission and values. It then features a "THANKS FOR CONTRACTING WITH US" message. At the bottom right is a link to "Activate Windows". A "Back to Home" button is at the bottom center. The background features a photograph of a hand holding a set of keys and a small model house.

please,Enter Your Updates on Order Information

Enter The Buyer Name To Update His Order

Buyer Name:
Show

Connected successfully

Buyer Name: minmin
Buyer Phone: 785964
Buyer E-mail: dk@gmail.com
Buyer Address: cairo
Material: sand
Quantity: 700
Price: 1000
Update

Activate Windows
Go to Settings to activate Windows.

Back TO Home OF Orders



Registered Building

show a specific building
show all buildings

Connected successfully

Area	the_drawing	location	num_interfaces	license	N_floor	Neighbors	Instructions
SHROOK	700	good	cairo	3	455 79	2	polite

Back TO Home OF Buildings

Activate Windows
Go to Settings to activate Windows.

