

## 1.A. Produce A Quote

### MATERIAL

MaterialID	MaterialTypeID	Description	Margin	Cost
M1	MT1	Green Crystal	50%	50
M2	MT2	Red Glass	100%	20

### MATERIAL-TYPE

MaterialTypeID	MaterialTypeName
MT1	Crystal
MT2	Glass

### WORKER

WorkerID	LastName	FirstName	Rate
W1	Norbert	Paula	12
W2	Stanford	Lydia	15

### JOB-MATERIAL

Job No	Material ID	Estimated Quantity	Job Margin	Job Cost	Actual Quantity

### JOB-WORKER

Job No	Worker ID	Estimated Hours	Job Rate	Actual Hours

Entered by Order Taker

Two Dogs, Barney Rubble, <date 1>, Paula Norbert, <Pending>

Material Requirements:

Green Crystal, 2 units

Red Glass, ½ unit

Labor Requirements:

Paula Norbert, 2 hours

Lydia Stanford, 3 hours

### STATUS

StatusTypeID	Status
1	Pending
2	Accepted
3	Rejected
4	Completed

### J O B

Job No	Customer ID	Description	Quote Date	Promised Date	StatusTypeID	Worker ID	Start Date	Complete Date

### CUSTOMER

CustomerID	CustTypeID	First Name	Last Name	Address	City	State	Zip
C1	CT1	Barney	Rubble	123 Flintstone Way	Modesto	CA	93211
C2	CT2		IRS	5466 E. Melody Lane	Fresno	CA	93221

### CUSTOMER-TYPE

CustTypeID	CustomerType
CT1	Individual
CT2	Government

# 1.B. Produce A Quote

MATERIAL

MaterialID	MaterialTypeID	Description	Margin	Cost
M1	MT1	Green Crystal	50%	50
M2	MT2	Red Glass	100%	20

MATERIAL-TYPE

MaterialTypeID	MaterialTypeName
MT1	Crystal
MT2	Glass

WORKER

WorkerID	LastName	FirstName	Rate
W1	Norbert	Paula	12
W2	Stanford	Lydia	15

JOB-MATERIAL

Job No	Material ID	Estimated Quantity	Job Margin	Job Cost	Actual Quantity
J1	M1	2			
J1	M2	.5			

JOB-WORKER

Job No	Worker ID	Estimated Hours	Job Rate	Actual Hours
J1	W1	2		
J1	W2	3		

Entered by Order Taker

Two Dogs, Barney Rubble, <date 1>, Paula Norbert <Pending>

Material Requirements:

- Green Crystal, 2 units
- Red Glass, ½ unit

Labor Requirements:

- Paula Norbert, 2 hours
- Lydia Stanford, 3 hours

STATUS

StatusTypeID	Status
1	Pending
2	Accepted
3	Rejected
4	Completed

JOB

Job No	Customer ID	Description	Quote Date	Promised Date	StatusTypeID	Worker ID	Start Date	Complete Date
J1	C1	Two dogs	<date 1>		1	W1		

CUSTOMER

CustomerID	CustTypeID	First Name	Last Name	Address	City	State	Zip
C1	CT1	Barney	Rubble	123 Flintstone Way	Modesto	CA	93211
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CUSTOMER-TYPE

CustTypeID	CustomerType
CT1	Individual
CT2	Government

QUOTE =

$$(2 * 50 * 1.50) +$$

$$(.5 * 20 * 2) +$$

.....

+

$$(2 * 12) +$$

$$(3 * 15) +$$

.....

## 2.A. Update Job Status

MATERIAL

MaterialID	MaterialTypeID	Description	Margin	Cost
M1	MT1	Green Crystal	50%	50
M2	MT2	Red Glass	100%	20

MATERIAL-TYPE

MaterialTypeID	MaterialTypeName
MT1	Crystal
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WORKER

WorkerID	LastName	FirstName	Rate
W1	Norbert	Paula	12
W2	Stanford	Lydia	15

JOB-MATERIAL

Job No	Material ID	Estimated Quantity	Job Margin	Job Cost	Actual Quantity
J1	M1	2			
J1	M2	5			

JOB-WORKER

Job No	Worker ID	Estimated Hours	Job Rate	Actual Hours
J1	W1	2		
J1	W2	3		

Entered by Order Taker

J1, accepted on <date 2> promised for <date 3>

STATUS

StatusTypeID	Status
1	Pending
2	Accepted
3	Rejected
4	Completed

J O B

Job No	Customer ID	Description	Quote Date	Promised Date	Status TypeID	Worker ID	Start Date	Complete Date
J1	C1	Two dogs	<date 1>		1	W1		

CUSTOMER

CustomerID	CustTypeID	First Name	Last Name	Address	City	State	Zip
C1	CT1	Barney	Rubble	123 Flintstone Way	Modesto	CA	93211
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CUSTOMER-TYPE

CustTypeID	CustomerType
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CT2	Government

## 2.B. Update Job Status

MATERIAL

MaterialID	MaterialTypeID	Description	Margin	Cost
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MATERIAL-TYPE

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J1	M1	2	50%	50	
J1	M2	5	100%	20	

JOB-WORKER

Job No	Worker ID	Estimated Hours	Job Rate	Actual Hours
J1	W1	2	12	
J1	W2	3	15	

Entered by Order Taker

J1, accepted on <date 2> promised for <date 3>

STATUS

StatusTypeID	Status
1	Pending
2	Accepted
3	Rejected
4	Completed

JOB

Job No	Customer ID	Description	Quote Date	Promised Date	StatusTypeID	Worker ID	Start Date	Complete Date
J1	C1	Two dogs	<date 1>	<date 3>	2	W1	<date 2>	

CUSTOMER

CustomerID	CustTypeID	First Name	Last Name	Address	City	State	Zip
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CUSTOMER-TYPE

CustTypeID	CustomerType
CT1	Individual
CT2	Government

### 3.A. Complete A Job

MATERIAL

MaterialID	MaterialTypeID	Description	Margin	Cost
M1	MT1	Green Crystal	50%	50
M2	MT2	Red Glass	100%	20

MATERIAL-TYPE

MaterialTypeID	MaterialTypeName
MT1	Crystal
MT2	Glass

WORKER

WorkerID	LastName	FirstName	Rate
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JOB-MATERIAL

Job No	Material ID	Estimated Quantity	Job Margin	Job Cost	Actual Quantity
J1	M1	2	50%	50	
J1	M2	.5	100%	20	

JOB-WORKER

Job No	Worker ID	Estimated Hours	Job Rate	Actual Hours
J1	W1	2	12	
J1	W2	3	15	

Job No: J1

Today's Date: <date 4>

Actual Material: material, actual-quantity

Green Crystal, 3 units

Red Glass, 1/2 unit

Actual Labor: worker, actual-hours

Paula Norbert, 2

Lydia Stanford, 4

STATUS

StatusTypeID	Status
1	Pending
2	Accepted
3	Rejected
4	Completed

JOB

Job No	Customer ID	Description	Quote Date	Promised Date	StatusTypeID	Worker ID	Start Date	Complete Date
J1	C1	Two dogs	<date 1>	<date 3>	2	W1	<date 2>	<date 4>

CUSTOMER

CustomerID	CustTypeID	First Name	Last Name	Address	City	State	Zip
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CUSTOMER-TYPE

CustTypeID	CustomerType
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CT2	Government

### 3.B. Complete A Job

MATERIAL

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JOB-MATERIAL

Job No	Material ID	Estimated Quantity	Job Margin	Job Cost	Actual Quantity
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J1	M2	.5	100%	20	.5

JOB-WORKER

Job No	Worker ID	Estimated Hours	Job Rate	Actual Hours
J1	W1	2	12	2
J1	W2	3	15	4

Job No: J1

Today's Date: <date 4>

Actual Material: material, actual-quantity

Green Crystal, 3 units

Red Glass, 1/2 unit

Actual Labor: worker, actual-hours

Paula Norbert, 2

Lydia Stanford, 4

STATUS

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JOB

Job No	Customer ID	Description	Quote Date	Promised Date	StatusTypeID	Worker ID	Start Date	Complete Date
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CUSTOMER

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CUSTOMER-TYPE

CustTypeID	CustomerType
CT1	Individual
CT2	Government

4.A. Produce Customer-Type-Percent

CUSTOMER

CustomerID	CustTypeID	First Name	Last Name	Address	City	State	Zip
C1	CT1						
C2	CT2						
C3	CT1						
C4	CT1						
C5	CT1						
C6	CT2						
C7	CT2						

CUSTOMER-TYPE

CustTypeID	CustomerType
CT1	Individual
CT2	Government

4.B. Produce Customer-Type-Percent

CUSTOMER

CustomerID	CustTypeID	First Name	Last Name	Address	City	State	Zip
C1	CT1						
C2	CT2						
C3	CT1						
C4	CT1						
C5	CT1						
C6	CT2						
C7	CT2						

CUSTOMER-TYPE

CustTypeID	CustomerType
CT1	Individual
CT2	Government

Customer-Type-Percent Report	
<u>Customer Type</u>	<u>Percent</u>
Individual	57%
Government	43%