

Steps to Manage Stock on DiaSense using Web Service

URL: <http://diasense.in/Webservice/Stock.asmx>

Web service's return type will be in string format only.

Services available on DiaSense :

1. LoginMethod
2. ManageStock

Parameters you need to pass for LoginMethod

1. DiaSenseID (String format)
2. Password (String format)

Parameters you need to pass for ManageStock

1. XML (String format)
2. DiaSenseID (String format)
3. Password (String format)
4. TicketId (String format)
5. ActionType (String format)
6. StoneId (String format)

Available Action Types :

1. IMPORT

- a. Mandatory parameters for this action are as below:
XML, DiaSenseID, Password, ActionType = IMPORT
- b. All mandatory parameters should be in string format only.
- c. Other parameters you can leave blank

2. DELETE

- a. Mandatory parameters for this action are as below:
DiaSenseID, Password, StoneID , ActionType = DELETE
- b. All mandatory parameters should be in string format only.
- c. Other parameters you can leave blank
- d. For multiple stones your StoneID parameter should be like this : 123,456,8,789,85

3. UPDATE

- a. Mandatory parameters for this action are as below:
XML, DiaSenseID, Password, StoneID , ActionType = UPDATE
- b. All mandatory parameters should be in string format only.
- c. Other parameters you can leave blank
- d. For multiple stones your StoneID parameter should be like this : 123,456,8,789,85
- e. No. of XML and StoneID should be equal.

4. DELETEALL

- a. Mandatory parameters for this action are as below:
DiaSenseID, Password, ActionType = DELETEALL
- b. All mandatory parameters should be in string format only.
- c. Other parameters you can leave blank

5. CONFIRM

- a. Mandatory parameters for this action are as below:
DiaSenseID, Password, StoneID , ActionType = CONFIRM
- b. All mandatory parameters should be in string format only.
- c. Other parameters you can leave blank
- d. This action will set your stone status to HOLD
- e. For multiple stones your StoneID parameter should be like this : 123,456,8,789,85

6. ONMEMO

- a. Mandatory parameters for this action are as below:
DiaSenseID, Password, StoneID , ActionType = ONMEMO
- b. All mandatory parameters should be in string format only.
- c. Other parameters you can leave blank
- d. This action will set your stone status to ON MEMO
- e. For multiple stones your StoneID parameter should be like this : 123,456,8,789,85

XML Format

Mandatory columns :

StoneID, Status, Color, Clarity, Shape, Weight, Rate, Prop, Polish, Sym, FL, LAB, CertNo, City, Country, L, W, D, Brown, Green, Milky

Available Stone Parameters you can pass through xml

1.StoneID	17.Measurements	33.EyeClean	49.FancyColor
2.Status	18.L	34.Natts	50.FancyColorIntensity
3.Shape	19.W	35.LAB	51.FancyColorOvertone
4.Color	20.D	36.CertNo	52.ImagePath
5.Clarity	21.TotDepth	37.Remarks	53.VideoPath
6.Weight	22.TablePer	38.KeyToSymbols	54.PagePath
7.Rate	23.Girdle	39.GirdlePer	55.NewArrivalDate
8.RateRs	24.CA	40.FLColor	56.ReviseDate
9.Amount	25.PH	41.CH	57.GirdleMinMS
10.AmountRs	26.Culet	42.PA	58.GirdleMaxMS
11.Discount	27.CuletCondition	43.MSP	59.StrLn
12.Prop	28.FL	44.BIC	60.LrHalf
13.Polish	29.Brown	45.BIT	61.HeartsImagePath
14.Sym	30.Green	46.GIAResultDate	62.ArrowsImagePath
15.HA	31.Milky	47.City	63.AssetImagePath
16.LW	32.Luster	48.Country	

DiaSense accepted values :

No.	Parameter Name	Field Name	Acceptable field values
1	Reference Number	StoneID	Ex. 12354567,abc123xyz
2	Availability	Status	S-STOCK ON HAND M-STOCK ON MEMO H-STOCK ON HOLD R-STOCK ON LAB RESULTS
3	Shape	Shape	ROUND, RBC, RD, RND, BR CUSHION, CB, CMB MARQUISE, MQ, MQB PEAR, PS, PB, PMB OVAL, OV EMERALD, EM PRINCESS, PRN, PR SQUARE EMERALD, SQEM RADIANT, RA, RAD SQUARE RADIANT, SQRA, SQRAD ASSCHER, A BAGUETTE, BG TAPERED BUGUETTE, TBG HEART, HE KITE, K, KT ROSE, RS SQUARE, SQ TRIANGLE, TR, TRMB
4	Color	Color	D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R
5	Clarity	Clarity	FL, IF, VVS1, VVS2, VS1, VS2, SI1, SI2, SI3, I1, I2, I3
6	Weight	Weight	0.180 to 99.999
7	Rate	Rate	PER CARAT PRICE IN US\$
8	Rate in Rs.	RateRs	PER CARAT PRICE IN Rupee
9	Amount	Amount	Total Amount of Each Diamond in US\$
10	Amount in Rs.	AmountRs	Total Amount of Each Diamond in Rupee

11	Discount	Discount	NUMERIC PERCENTAGE VALUE FOR DISCOUNT, OFFER, LESS BETWEEN -100 TO 0
12	Prop	Prop	IDEAL, ID EXCELLENT, EX, X VERY GOOD, VG GOOD, GD, G FAIR, FR, F POOR, PR, P
13	Polish	Polish	EXCELLENT, EX, X VERY GOOD, VG GOOD, GD, G FAIR, FR, F POOR, PR, P
14	Symmetry	Sym	EXCELLENT, EX, X VERY GOOD, VG GOOD, GD, G FAIR, FR, F POOR, PR, P
15	Heart & Arrow	HA	EX, VG, GD
16	LW Ratio	LW	Example 1:1.2
17	Measurements	Measurements	Recommended example: 6.59x6.59x4.56
18	Length	L	0 to 100 in 2 decimals
19	Width	W	0 to 100 in 2 decimals
20	Depth	D	0 to 100 in 2 decimals
21	Total Depth	TotDepth	From 0 to 100 in 2 decimals without % sign
22	Table Percentage	TablePer	From 0 to 100 in 2 decimals without % sign
23	Girdle	Girdle	Example: Thin-Thick Thin-Thin Very Thick- Thin Any combination can be entered
24	Crown Angle	CA	From 0 to 100 in 2 decimals
25	Pavilion Height	PH	From 0 to 100 in 2 decimals without % sign

26	Culet	Culet	N, None VS, Very Small S, Small M, Medium SL, Slight Large L, Large VL, Very Large EL, Extra Larger
27	Culet Condition	CuletCondition	P, Pointed A, Abraded C, Chipped
28	Fluorescence	FL	NONE, NON, N VERY SLIGHT, VSL SLIGHT, SL FAINT, FNT, F MEDIUM, MED, M STRONG, STG, S VERY STRONG, VST, VS
29	Brown	Brown	N, None, No Brown VL, Very Light L, Light M, MED, Medium STG, Strong
30	Green	Green	N, None, No Green VL, Very Light L, Light M, MED, Medium STG, Strong
31	Milky	Milky	N, None, No Milky VL, Very Light L, Light M, MED, Medium STG, Strong
32	Luster	Luster	EX, VG, GD
33	Eye Clean	EyeClean	YES=100% Eye Clean NO=Not 100% Eye Clean
34	Natts	Natts	
35	LAB	LAB	GIA, IGI, AGS, CGL, HRD, NGTC

36	Certificate No	CertNo	Lab Certificate Number can be Alphanumeric
37	Remarks	Remarks	Any Text
38	Key To Symbols	KeyToSymbols	Text
39	Girdle Percentage	GirdlePer	From 0 to 100 in 2 decimals without % sign
40	Fluorescence Color	FLColor	N, NON, None B, BL, Blue W, WH, White Y, YL, Yellow O, OR, Orange R, Red G, Green
41	Crown Height	CH	From 0 to 100 in 2 decimals without % sign
42	Pavilion Angle	PA	From 0 to 100 in 2 decimals
43	Maximum Selling Price	MSP	MAXIMUM SALES PRICE IN US\$
44	Black In Crown / Black In Side	BIC	N, None, No Black VL, Very Light L, Light M, MED, Medium H, Heavy
45	Black In Table / Black In Centre	BIT	N, None, No Black VL, Very Light L, Light M, MED, Medium H, Heavy
46	LAB Report Date	GIAResultDate	LAB Report / Result Date
47	City	City	Any city
48	Country	Country	Any Country
49	Fancy Color	FancyColor	Yellow, Green, Orange, Purple, Black, Blue, Brown, Chameleon, Champagne, Cognac, Gray, Pink, Violet, Red, White, Other

50	Fancy Color Intensity	FancyColorIntensity	F, FNT, Faint VL, Very Light L, Light FL, FCL, Fancy Light FC, Fancy FCD, Fancy Dark I, Fancy Intense FV, Fancy Vivid D, Deep, Fancy Deep
51	Fancy Color Overtone	FancyColorOvertone	Yellowish Brownish Pinkish Blackish Radish Purpleish Can be entered any colortone
52	Image Path	ImagePath	HD Image Link Which Can Be Redirected When User Click On Camera/Photo Icon
53	Video Path	VideoPath	HD Video Link Which Can Be Redirected When User Click On Video/Movie Icon
54	Page Path	PagePath	Stone Web Page Link Which Can Be Redirected When User Click On StoneID/LotID/RefNo
55	New Arrival Date	NewArrivalDate	Date
56	Revise Date	ReviseDate	Date
57	Girdle Minimum in mm	GirdleMinMS	From 0 to 100 in 2 decimals
58	Girdle Maximum in mm	GirdleMaxMS	From 0 to 100 in 2 decimals
59	Star Length	StrLn	From 0 to 100 in 2 decimals without % sign
60	Lower Half	LrHalf	From 0 to 100 in 2 decimals without % sign
61	Heart Image	HeartsImagePath	HD Image Link Which Can Be Redirected When User Click Link
62	Arrow Image	ArrowsImagePath	HD Image Link Which Can Be Redirected When User Click Link
63	Asset Image	AssetImagePath	HD Image Link Which Can Be Redirected When User Click Link

Coding Portion

This coding portion as sample only developed in **.Net C#** it can be different on your supporting platform.

How to call:

```
DiasenseWebServices.StockSoapClient Diasense = new DiasenseWebServices.StockSoapClient();
```

```
string XML = //Your Stock in XML format
```

```
string DiasenseID = //Your Diasense ID
```

```
string Password = //Your Password
```

```
string ActionType = //Action type want to perform
```

```
string TicketID = //Leave blank
```

```
string StoneID = //Stone ID
```

Login Method

```
string response = Diasense.LoginMethod(DiasenseID, Password).ToString();
```

Manage Stock

```
string response = Diasense.ManageStock(XML, DiasenseID, Password, TicketID, ActionType,StoneID).ToString();
```