API for Valuation Version 2.0

1. Introduction:

The main objective of this API is to return characteristic information on the property concerned which includes sales or rental valuation of the property.

In order to implement this API correctly, you will need to source a postcode lookup for the web page where you implement this API. The postcode look-up must submit all information in PAF.

2. API URL:

The link for this is as follows and the parameters needs to be exactly similar and you should call this url using https post request with the parameters:

https://www.valpal.co.uk/apinew

These are the parameters that needs to be passed to this url as an https post request:

username
pass
type
reference
buildname
subBname
number
street
depstreet
postcode
emailaddress (optional)
name (optional)
phone (optional)

Please make sure the username and pass fields are not visible in your source code for security reasons.

3. Inputs:

The API only requires inputs in order to identify a specific property. The following fields are the inputs:

-Username
-Password
-Reference
-Type
-Building name (As defined by PAF)
-Sub-building name (As defined by PAF)
-Number (As defined by PAF)
-Dependent Street (As defined by PAF)
-Street (As defined by PAF)
-Postcode (As defined by PAF)
-Email

-Name
-Phone

Username/Password (Abbreviated as username and pass in the url of API call):

This is a unique username/password to be passed to the API by the client's application. We will log usage according to these credentials.

Reference (Abbreviated as reference in the url of API call):

This is the reference number supplied by the client. This will help to refer to a particular case should any enquiries arise in future. It is not mandatory.

Type (Abbreviated as type in the url of API call):

There are three values allowed in this "sales" or "lettings" or "both". This will determine that whether sales valuation is required or rental valuation is required or whether both sales and lettings valuation are required.

Building Name (Abbreviated as buildname in the url of API call):

As defined by PAF. This is the name of a building containing more than one residence – for example a block of flats. For detached and semi detached properties this value will normally be empty. Inputs to this field can be character strings of variable length up to 100 characters in length.

Sub Building Name (Abbreviated as subBname in the url of API call):

As defined by PAF. This is the name or number of a sub building (for example a flat within a block) which, along with others, resides in single bigger block, for example Flat 10, Flat A or Ground Floor Flat. In case of normal detached and semi detached properties this value will be empty, for example 205 North Circular Road. Inputs to this field can be character strings of variable length up to 100 characters in length.

Number (Abbreviated as number in the url of API call):

As defined by PAF. Number of the main property, for example if the property in question is a flat then the number for the building in which this flat exists. In case of normal properties just the door number. Inputs to this field can be character strings of variable length up to 100 characters in length.

Dependent Street (Abbreviated as depstreet in the url of API call):

As defined by PAF. Dependent Street where property exists as it appears in PAF. Inputs to this field can be character strings of variable length up to 100 characters in length.

Street (Abbreviated as street in the url of API call):

As defined by PAF. Street where property exists as it appears in PAF. Inputs to this field can be character strings of variable length up to 100 characters in length.

Postcode (Abbreviated as postcode in the url of API call):

As defined by PAF.

Email (Abbreviated as emailaddress in the url of API call):

As name suggests this is the email address of the user who generated the lead.

Name (Abbreviated as name in the url of API call):

This is the name of the user who generated the lead.

Phone (Abbreviated as phone in the url of API call):

As name suggests this is the telephone number of the user who generated the lead.

4. Outputs:

The API returns the following outputs

- Minimum Valuation *<minvaluation>*
- Valuation *<valuation>*
- Maximum Valuation *<maxvaluation>*
- Property type *<propertytype>*
- Tenure *<tenure>*
- Bedroom numbers *<bedrooms>*
- Year property of construction *<yearofpropertyconstruction>*
- EPC <epc>
- Recently Sold properties in that area <recentlysold>

If "both" option is given as the type then API will return rental valuation in these additional outputs

- Minimum Rental Valuation *<minrentalvaluation>*
- Rental Valuation *<rentalvaluation>*
- Maximum Rental Valuation *<maxrentalvaluation>*

Other <responsecode>
The API also returns a response code.

Response codes
201 Successful response
400 error in username and/or password
401 error in postcode format (it does not check all possible bad formats)
408 error in address or cannot match to a valid PAF address
409 Angels Media unable to generate output (e.g. where no data is available)
503 server error during connection
504 server error during authentication
505 server error while attempting to find data

601 You have exceeded your allowed quota of API hits.
602 Type not specified properly, it needs to be either "sales" or "lettings" or "both"
700 The API request needs to be an https post request

5. Example Outputs:

Successful Response

```
<?xml version="1.0" encoding="utf-8"?><response><responsecode>201</responsecode><minvaluation>&amp;pound;212,000</minvaluation><valuation>&amp;pound;234,000</valuation><maxvaluation>&amp;pound;256,000</maxvaluation><minrentalvaluation>&amp;pound;595</minrentalvaluation><rentalvaluation>&amp;pound;700</rentalvaluation><maxrentalvaluation>&amp;pound;805</maxrentalvaluation><propertytype>Semi-detached</propertytype><tenure>Freehold</tenure><bedrooms></bedrooms><yearofpropertyconstruction></yearofpropertyconstruction><epc><current>64</current><potential>86</potential></epc><recentlysold><propertyaddress>6 HIBBERT LANE, STOCKPORT, SK6 7NL</propertyaddress><soldprice>&amp;pound;223,202</soldprice><solddate>06/04/2018</solddate></recentlysold><recentlysold><propertyaddress>4 HIBBERT LANE, STOCKPORT, SK6 7NL</propertyaddress><soldprice>&amp;pound;370,000</soldprice><solddate>17/08/2016</solddate></recentlysold><recentlysold><propertyaddress>28 HIBBERT LANE, STOCKPORT, SK6 7NL</propertyaddress><soldprice>&amp;pound;290,000</soldprice><solddate>11/12/2014</solddate></recentlysold></response>
```

Erroneous Response

```
<response>
<responsecode>408</responsecode>
</response>
```