



# Grow-Trees.com API

v1.33

Note: API is linked to one transaction / user account. In case of a 'low balance' situation, alerts will be sent on the prescribed email ID.

These data elements will be set based on the input:

1. Sender Name
2. Occasion
3. Honour text
4. Message on the certificate
5. Logo to include on the certificate
6. Preferred certificate template
7. Transaction ID (must have a valid treebank transaction)
8. Email ID on which to send the notification when tree count becomes 'low'

## Step 1: Get the Token

Notes:

1. Token validity is 3 days. You can reissue tokens as often as needed.
2. Be very careful with the token because it allows FULL ACCESS to your Grow-Trees.com account.

API URL to invoke: <https://api.growtrees.in/auth.aspx>

POST parameters:

Parameter Name	Value	Comments
apikey	Alphanumeric	Get from GT team
apisecret	Alphanumeric	Get from GT team

RESPONSE is always JSON format.

```
{  
  "status": "success" or "error"  
  "token": "-- unique token --"  
}
```

## Step 2: Use the Token

API URL to invoke: <https://api.growtrees.in/gtapi.aspx>

POST parameters:

Parameter Name	Value	Comments
token	Alphanumeric	"Auth" API will give you this
fn	Alphanumeric	Method to invoke. List below.

### Methods available

#### 1. Balance Enquiry

Set the post parameter fn = "balance" to invoke this method. Additional input data: None

NOTE: If balance = 0, the balance enquiry is considered successful.

RESPONSE is always JSON format.

```
{  
    "status": "success" or "error",  
    "message": "-- message indicates detail of error --",  
    "balance": "number of trees in the linked transaction"  
}
```

#### 2. Gifting API

Set the post parameter fn = "gift" to invoke this method. Needs additional data:

Parameter Name	Value	Comments
name	Alphabets, spaces and single quote only. Between 5 and 50 chars.	Name of recipient.
email	Email ID list. Can contain multiple email ids comma separated like: a@b.com,c@d.com,e@f.com	Email of recipient.
trees	Number of trees to gift	

**NOTE: If balance = 0, or less than "trees" the gifting process will fail.**

RESPONSE is always JSON format.

```
{  
    "status": "success" or "error",  
    "message": "-- message indicates detail of error --",  
    "certificate": "certificate number (if success)",  
    "pdf": "URL to get a PDF copy of this certificate"  
}
```

At this stage you can show a confirmation message, or your app can download the PDF using the "pdf" URL provided.

#### 2. Recent Gifting Transactions

Set the post parameter fn = "transactions" to invoke this method. Does not require any input data.

**NOTE: This will only show the latest 100 transactions for the maximum timeframe of 1 week**

RESPONSE is always JSON format.

```
{  
  "status": "success" or "error",  
  "transactions": [JSON ARRAY of the format noted below]  
}
```

JSON ARRAY FORMAT:

Field Name	Comments
<b>gifted_on</b>	The date on which the request was made
<b>recipient_name</b>	Recipient name
<b>email</b>	Recipient email id
<b>trees</b>	Trees gifted
<b>certificate</b>	Certificate number
<b>pdf</b>	URL link to the Certificate PDF

You can use this to synchronize with your database. It is recommended to run in a scheduler every 1 hour.