



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
gifted_on	The date on which the request was made
recipient_name	Recipient name
email	Recipient email id
trees	Trees gifted
certificate	Certificate number
pdf	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.