# GlowUpGrow API Endpoint Documentation

User

Login

TerrariumModel

Create (“Post /terrarium/model”)

Read (“Get /terrarium/model”)

Read (“Get /terrarium/model/&id”)

Plant

Create (“Post /plant”)

Read (“Get /plant”)

Read (“Get /plant/&id”)

//Update “Put /plant/&id”

**LiveTerrarium**

**Create “Post /terrarium/live”**

**Read “Get /terrarium/live/&userID”**

**Update “Put /terrarium/live”**

**Delete “Delete /terrarium/live/&id”**

AuthToken

Create

Delete

1. Create a live terrarium and assign it to a user
2. Assign a plant to the terrarium
3. Remove a plant from a terrarium
4. Remove a terrarium

## **/user/register**

|  |  |
| --- | --- |
| URL Path | /user/register |
| Description | Creates a new user account, logs the user in, and returns an auth token. |
| HTTP Method | Post |
| Auth Token Required | No |
| Request Body | {  "Username": "susan",        // Non-empty string  "Password": "mysecret",    // Non-empty string  "EmailAddress": "susan@gmail.com",    // Non-empty string  } |
| Errors: | Request property missing or invalid value, username already taken, internal server error |
| Success Response Body | {  "authtoken": "cf7a368f",    // Non-empty auth token string  "username": "susan",        // Username passed in with request  “success”:true        // Boolean identifier  } |
| Error Response Body | {  “message”: “Error: [Description of the error]”  “success”:false        // Boolean identifier  } |

## **/user/login**

|  |  |
| --- | --- |
| URL Path | /user/login |
| Description | Logs user in and returns an authorization token |
| HTTP Method | Post |
| Auth Token Required | No |
| Request Body | {  "Username": "susan",        // Non-empty string  "Password": "mysecret",    // Non-empty string  } |
| Errors: | Request property missing or invalid value, username or password incorrect, internal server error |
| Success Response Body | {  "AuthToken": "cf7a368f",    // Non-empty auth token string  "Username": "susan",        // Username passed in with request  “UserID”:2,  “success”:true        // Boolean identifier  } |
| Error Response Body | {  “message”: “Error: [Description of the error]”  “success”:false        // Boolean identifier  } |

## **/terrarium/new**

|  |  |
| --- | --- |
| URL Path | /terrarium |
| Description | Assigns a new terrarium to a user. Terrarium initially has no plant |
| HTTP Method | Post |
| Auth Token Required | Yes |
| Request Body | {  “UserID”:12345,  “ModelID”:1235 // 1 for small, 2 for medium, 3 for large  } |
| Errors: | Request property missing or invalid value, invalid model, internal server error |
| Success Response Body | {  “success”:true  } |
| Error Response Body | {  “message”: “Error: [Description of the error]”  “success”:false        // Boolean identifiers  } |

## **/terrarium/plant**

|  |  |
| --- | --- |
| URL Path | /terrarium/plant |
| Description | Assigns a plant to a terrarium. By default it’s plantID 1 |
| HTTP Method | Put |
| Auth Token Required | Yes |
| Request Body | {  “UserID”:1,  “TerrariumID”:12345,  “PlantID”:[1,2,3]  } |
| Errors: | Request property missing or invalid value, internal server error |
| Success Response Body | {  “Plant”:[Plant],  “success”:true  } |
| Error Response Body | {  “message”: “Error: [Description of the error]”  “success”:false        // Boolean identifier  } |

## **/terrarium/{id}**

|  |  |
| --- | --- |
| URL Path | /terrarium |
| Description | Returns all live terrariums belonging to a user |
| HTTP Method | Get |
| Auth Token Required | Yes |
| Request Body | None |
| Errors: | Request property missing or invalid value, internal server error |
| Success Response Body | {  “LiveTerrariums”:[[LiveTerrariumObject]],  “success”:true  } |
| Error Response Body | {  “message”: “Error: [Description of the error]”  “success”:false        // Boolean identifier  } |

## **/terrarium/single**

|  |  |
| --- | --- |
| URL Path | /terrarium/single |
| Description | Returns a single live terrarium object with the specified ID |
| HTTP Method | Get |
| Auth Token Required | Yes |
| Request Body | {  “UserID”:12345,  “TerrariumID”:12345  } |
| Errors: | Request property missing or invalid value, internal server error |
| Success Response Body | {  “Terrarium”:[Terrarium]  “success”:true  } |
| Error Response Body | {  “message”: “Error: [Description of the error]”  “success”:false        // Boolean identifier  } |