Stick Website API Specification

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Ilarion Petriv

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Table of Contents

[Get Requests 2](#_Toc176433904)

[User 2](#_Toc176433905)

[Stick 3](#_Toc176433906)

[Bid 4](#_Toc176433907)

[Post Requests 5](#_Toc176433908)

[User 5](#_Toc176433909)

[Stick 6](#_Toc176433910)

[Patch Requests 7](#_Toc176433911)

[User 7](#_Toc176433912)

[Stick 7](#_Toc176433913)

[Delete Requests 8](#_Toc176433914)

[User 8](#_Toc176433915)

[Stick 8](#_Toc176433916)

[Bid 8](#_Toc176433917)

# Get Requests

## User

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/users** | | | |
| Retrieves a list of all users | | | | |
| Protected route, token required | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | |  |  |  |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Users are found and returned as JSON. Example: [  {  "id": 1,  "email": "bid@bidder.com",  "isAdmin": false  },  {  "id": 2,  "email": "bid2@bidder.com",  "isAdmin": false  },  {  "id": 3,  "email": "admin@admin.com",  "isAdmin": true  }  ] | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/users/bids** | | | |
| Retrieves bids, made by specific user | | | | |
| Protected route, token required. Specific user is determined by token’s payload. Only logged-in users allowed to perform request (or admins) | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns JSON with data of all bids made by user. Example: [  {  "userId": 1,  "stickId": 4,  "amount": 45,  "id": 0  },  {  "userId": 1,  "stickId": 4,  "amount": 60,  "id": 2  }  ] | |
| 404 | If token was malformed or no such user exists: {  "error": "Invalid token" | |

## Stick

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/sticks** | | | |
| Retrieves a list of all sticks | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | |  |  |  |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Stick is found and returned as JSON. Example: [  {  "name": "Mystery mace",  "description": "Majestic wonder stick for all your wizarding needs.",  "startingPrice": 45,  "image": " https://imageurl.com",  "length": "long",  "feature": "straight",  "weight": "medium",  "startDate": "2024-10-17T16:52:53.050Z",  "endDate": "2024-12-31T00:00:00.000Z",  "bids": [],  "validateFutureDates": true,  "id": 1  },  {  "name": "Hitman's pistol",  "description": "A really cool stick that looks like a pistol.",  "startingPrice": 70,  "image": "https://imageurl.com",  "length": "short",  "feature": "curved",  "weight": "light",  "startDate": "2024-10-04T12:09:30.000Z",  "endDate": "2024-10-04T12:09:40.000Z",  "bids": [],  "validateFutureDates": true,  "id": 2  },  {  "name": "Harry Potter's Wand",  "description": "Magical wand stick of finest quality.",  "startingPrice": 55,  "image": "https://utfs.io/f/fd0d6837-d565-4bd0-b1a0-6ff844e9613b-juxa5t.png",  "length": "short",  "feature": "knotty",  "weight": "light",  "startDate": "2024-10-17T16:52:53.050Z",  "endDate": "2025-01-01T00:00:00.000Z",  "bids": [],  "validateFutureDates": true,  "id": 3  },  ] | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/sticks/:id** | | | |
| Retrieves a single stick. | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | Id\* | path | The id of the stick |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns JSON with found stick data. Example: {  "name": "Mystery mace",  "description": "Majestic wonder stick for all your wizarding needs.",  "startingPrice": 45,  "image": "https://imageurl.com",  "length": "long",  "feature": "straight",  "weight": "medium",  "startDate": "2024-10-17T16:52:53.050Z",  "endDate": "2024-12-31T00:00:00.000Z",  "bids": [],  "id": 1  } | |
| 404 | No stick was found by provided id. Appropriate message is sent. Example: {  "error": "sticks with id 100 not found"  } | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/sticks/:id/bids** | | | |
| Retrieves a list of bids for a specific stick. | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | Id\* | path | The id of the stick |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns JSON with all bids data for the stick. Example: [  {  "userId": 1,  "stickId": 4,  "amount": 45,  "id": 0  },  {  "userId": 2,  "stickId": 4,  "amount": 50,  "id": 1  },  {  "userId": 1,  "stickId": 4,  "amount": 60,  "id": 2  }  ] | |
| 404 | No stick was found by provided id. Appropriate message is sent. Example: {  "error": "sticks with id 100 not found"  } | |

# Post Requests

## User

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POST** | **/api/users** | | | |
| Registers a new user. | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** | |
| *Required\** | | email\* | body | Email of the user | |
| password\* | body | Password of the user | |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 201 | All parameters passed validation and therefore new user was created. Appropriate success message is returned with a new token. Example:   {  "message": "New user with id 4 created successfully",  "token": "jekfvjflvjrljEKJFlkERjelkvj"  } | |
| 400 | User didn’t pass validation. Error message is returned. Example:  {  "error": "Invalid email: must be a valid email."  } | |
| 409 | User already exists. Error message is returned. Example:  {  "error": "User with email larik@gmail.com already exists"  } | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POST** | **/api/tokens** | | | |
| Verifies and logins a user. | | | | |
| Token was too big, and it doesn’t fit | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | email\* | body | Email of the user |
| password\* | body | Password of the user |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | All parameters passed validation and therefore user allowed to login. Appropriate success message is returned. Example: {  "message": "Login successful",  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9"  } | |
| 401 | User didn’t pass authorization, provided incorrect credentials. Example:  {  "error": "Invalid password"  } | |
|  | | 404 | User not found. Example:  {  "error": "User with email id@bidder.com not found"  } | |

## Stick

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POST** | **/api/sticks** | | | |
| Adds a stick | | | | |
| Protected route, admin only | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | name\* | body | Name of the stick |
| description\* | body | Description |
| startingPrice\* | body | Starting auction price |
|  | | image | body | Image to be used (Placeholder, If not specified) |
|  | | length\* | body | Length (Only three variants allowed) |
|  | | feature\* | body | Feature (Only four variants allowed) |
|  | | weight\* | body | Weight (Only three variants allowed) |
|  | | startDate\* | body | Auction start date |
|  | | endDate\* | body | Auction end date |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 201 | All parameters passed validation and therefore new user was created. Appropriate success message is returned. Example: {  "message": "New stick with id 5 created successfully",  "stick": {  "name": "Magic Wand",  "description": "A powerful wand for casting spells.",  "startingPrice": 100,  "image": "https://cdn.prod.website-files.com/668fe0172c60fac7e678ba19/668fe0172c60fac7e678bae4\_placeholder.svg",  "length": "medium",  "feature": "straight",  "weight": "light",  "startDate": "2024-12-12T00:00:00.000Z",  "endDate": "2024-12-31T00:00:00.000Z",  "bids": [],  "validateFutureDates": true  }  } | |
| 400 | Provided stick data didn’t pass validation. Example: {  "error": "Invalid startingPrice: must be a positive number."  } | |
| 401 | Admin token expired, or malformed. Example: {  "error": "Invalid token"  } | |
| 403 | Forbidden. Non-admin tries to send a request. Example: {  "error": "Forbidden: Admins only."  } | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POST** | **/api/sticks/bids** | | | |
| Adds a bid to the specific stick | | | | |
| Only logged-in users and not admins. | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | stickId | body | Id of the stick |
| amount | body | Amount that was bid |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Bid amount is valid. User’s token isn’t malformed and user exists. Auction hasn’t ended. Example: {  "message": "Bid created successfully.",  "bid": {  "userId": 1,  "stickId": 1,  "amount": 100  }  } | |
| 400 | Invalid amount or auction has ended. Error message is returned: {  "error": "Stick auction ended"  } | |
| 404 | No stick was found by provided id. Appropriate message is sent. Example: {  "error": "sticks with id 100 not found"  } | |
| 401 | Token expired or malformed. Example: {  "error": "Invalid token"  } | |
|  | | 403 | Admin tries to bid. Example: {  "error": "Forbidden to admins."  } | |

# Patch Requests

## Stick

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PATCH** | **/api/sticks /:id** | | | |
| Makes a change to stick | | | | |
| Any parameter can be changed, so nothing is required.  Admin only. | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | name\* | body | Name of the stick |
| description\* | body | Description |
| startingPrice\* | body | Starting auction price |
|  | | image | body | Image to be used (Placeholder, If not specified) |
|  | | length\* | body | Length (Only three variants allowed) |
|  | | feature\* | body | Feature (Only four variants allowed) |
|  | | weight\* | body | Weight (Only three variants allowed) |
|  | | startDate\* | body | Auction start date |
|  | | endDate\* | body | Auction end date |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 201 | Successfully edited a stick. Example message: {  "message": "Stick with id 1 updated successfully",  "stick": {  "name": "New Name",  "description": "Majestic wonder stick for all your wizarding needs.",  "startingPrice": 45,  "image": "https://utfs.io/f/199fd94f-51c3-4c00-ad30-3613e8444f9b-mxgjju.png",  "length": "medium",  "feature": "straight",  "weight": "medium",  "startDate": "2024-10-17T16:52:53.050Z",  "endDate": "2024-12-31T00:00:00.000Z",  "bids": [  {  "userId": 1,  "stickId": 1,  "amount": 100  }  ]  }  } | |
| 404 | No stick was found by provided id. Appropriate message is sent. Example: {  "error": "sticks with id 100 not found"  } | |
| 400 | Validation didn’t pass. User tried to submit invalid values.  Example: {  "error": "Invalid startingPrice: must be a positive number."  } | |
|  | | 403 | Forbidden. Non-admin tries to send a request. Example: {  "error": "Forbidden: Admins only."  } | |
|  | | 401 | Token expired or malformed. Example: {  "error": "Invalid token"  } | |

# Delete Requests

## User

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DELETE** | **/api/users/:id** | | | |
| Deletes a user | | | | |
| Protected route, only admins. | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | Id\* | path | Id of user to be deleted |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | User successfully deleted. Example: {  "message": "User with id 1 deleted successfully"  } | |
| 404 | User not found by given id. Example: {  "error": "user with id 100 not found"  } | |
|  | | 403 | Forbidden. Non-admin tries to send a request. Example: {  "error": "Forbidden: Admins only."  } | |
|  | | 401 | Token expired or malformed. Example: {  "error": "Invalid token"  } | |

## Stick

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DELETE** | **/api/sticks/:id** | | | |
| Deletes a stick | | | | |
| Protected route, only admins. | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Required\** | | Id\* | path | Id of stick to be deleted |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Stick successfully deleted. Example: {  "message": "Stick with id 1 deleted successfully"  } | |
| 404 | Stick not found by given id. Example: {  "error": "stick with id 100 not found"  } | |
|  | | 403 | Forbidden. Non-admin tries to send a request. Example: {  "error": "Forbidden: Admins only."  } | |
|  | | 401 | Token expired or malformed. Example: {  "error": "Invalid token"  } | |