Bulletin API Documentation

For internal usage only.

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1. Registering an account
POST /api/register

Query Parameters
None available

Body Parameters
  email - The email for the account, a username (Required).
  password – The password for the account (Required).
  first_name – The first name of the account holder (Required).
  last_name – The last name of the account holder (Required).

Example Body
{
 "email" : "my.name@sjsu.edu",
 "password" : "MyPassword12",
 "first_name" : "John",
 "last_name" : "Doe
}

Output
  success – Boolean indicating whether operation was successful.
  message – A message detailing what happened.

2. Authentication
POST /api/auth

Query Parameters
None available

Body Parameters
  email - The email for the account, a username (Required).
  password – The password for the account (Required).

Example Body
{
 "email" : "my.name@sjsu.edu",
 "password" : "MyPassword12",
}

Output
  success – Boolean indicating whether operation was successful.
  message – A message detailing what happened.
  token – If successful, a token will be given. Save this.

3. Get your account details
GET /api/users

Query Parameters
 token - The token that was given during authentication (Required).

Body Parameters
None available

Output
 _id – The user's id.
 email – The user's email.
 password – The user's password.
 profile_picture – A url containing the profile picture of the user.
 first_name – The first name of the accountholder.
 last_name – The last name of the accountholder.
 admin – Boolean indicating whether or not this user is an admin.

4. Update your account details
POST /api/users/update

Query Parameters
  token - The token that was given during authentication (Required).

Body Parameters
  first_name – The first name of the account holder (Optional).
  last_name – The first name of the account holder (Optional).
  profile_picture – The first name of the account holder (Optional).

Output
  _id – The user's id.
  email – The user's email.
  password – The user's password.
  profile_picture – A url containing the profile picture of the user.
  first_name – The first name of the accountholder.
  last_name – The last name of the accountholder.
  admin – Boolean indicating whether or not this user is an admin.

5. Get account details with a user id
GET /api/users/update

Query Parameters
  token - The token that was given during authentication (Required).
  userId - The user ID that will be searched (Optional).

Body Parameters
None available

Output
  _id – The user's id.
  email – The user's email.
  password – The user's password.
  profile_picture – A url containing the profile picture of the user.
  first_name – The first name of the accountholder.
  last_name – The last name of the accountholder.
  admin – Boolean indicating whether or not this user is an admin.

6. Get all items
GET /api/items

Query Parameters
 token - The token that was given during authentication (Required).

Body Parameters
None available

Output
 _id – The item's id.
 userId – The user that the item belongs to.
 title – The title of the item.
 description – The description of the item.
 expiration – The expiration date in EPOCH time.
 price – The price of the item (it can contain decimal values).
 pictures [] – An array containing urls of the pictures.

7. Update an item
POST /api/items/update

Query Parameters
 token - The token that was given during authentication (Required).
 itemId – The item that is to be searched (Optional).

Body Parameters
 title – The title of the item to be updated to (Optional).
 description – The description of the item to be updated to (Optional).
 price – The price of the item to be updated to (Optional).
 expiration – The expiration date of the item in EPOCH time to be updated to (Optional).
 pictures[] – An array containing the url of the pictures to be updated to (Optional).

Output
 _id – The item's id.
 userId – The user that the item belongs to.
 title – The title of the item.
 description – The description of the item.
 expiration – The expiration date in EPOCH time.
 price – The price of the item (it can contain decimal values).
 pictures [] – An array containing urls of the pictures.

OR

 success – Boolean indicating whether or not it has been performed.
 message – Message indicating what has happened.

8. Post an item
POST /api/items/new

Query Parameters
  token - The token that was given during authentication (Required).

Body Parameters
  title – The title of the item (Required).
  description – The description of the item (Required).
  price – The price of the item (Required).
  expiration – The expiration date of the item in EPOCH time (Optional).
  pictures[] – An array containing the url of the pictures (Optional).

Output
  _id – The item's id.
  userId – The user that the item belongs to.
  title – The title of the item.
  description – The description of the item.
  expiration – The expiration date in EPOCH time.
  price – The price of the item (it can contain decimal values).
  pictures [] – An array containing urls of the pictures.

<div align="center">OR</div>

  success – Boolean indicating whether or not it has been performed.
  message – Message indicating what has happened.

9. Get a specific conversation
GET /api/conversations

Query Parameters
  token - The token that was given during authentication (Required).
  conversationId – The id of the conversation to be searched (Optional).

Body Parameters
None available

Output
  _id – The conversation's id.
  userStart – The first person of the conversation.
  userWith – The second person of the conversation.
  itemId – The item that the conversation is about.
  messageCount – The count of messages within this conversation.

OR

  success – Boolean indicating whether or not it has been performed.
  message – Message indicating what has happened.

10. Make a conversation about an item
/api/conversations/new

Query Parameters
  token - The token that was given during authentication (Required).

Body Parameters
  itemId – The item id that the conversation will be about (Required).

Output
  _id – The conversation's id.
  userStart – The first person of the conversation.
  userWith – The second person of the conversation.
  itemId – The item that the conversation is about.
  messageCount – The count of messages within this conversation.

OR

  success – Boolean indicating whether or not it has been performed.
  message – Message indicating what has happened.

11. Get messages of a conversation
GET /api/conversations/messages

Query Parameters
 token - The token that was given during authentication (Required).
 conversationId – The id of the conversation to be searched (Required).
 from – Retrieve all messages on and after this index (Required).
 to – Retrieve all messages on and before this index (Optional).

Body Parameters
None available

Output
 _id – The message's id.
 conversationId – The id of the conversation that this message belongs to.
 userId – The user's id that had sent this message.
 timestamp – The timestamp of the message when it was sent.
 messageIndex – The index of the message within the conversation.
 message – The message.

<div align="center">OR</div>

 success – Boolean indicating whether or not it has been performed.
 message – Message indicating what has happened.

12. Post a message to a conversation
POST /api/conversations/messages

Query Parameters
  token - The token that was given during authentication (Required).

Body Parameters
  conversationId – The id of the conversation to send this message (Required).
  message – The message to be sent (Required).

Output
  _id – The message's id.
  conversationId – The id of the conversation that this message belongs to.
  userId – The user's id that had sent this message.
  timestamp – The timestamp of the message when it was sent.
  messageIndex – The index of the message within the conversation.
  message – The message.

<div align="center">OR</div>

  success – Boolean indicating whether or not it has been performed.
  message – Message indicating what has happened.

13. Upload an image
POST /api/upload

Query Parameters
  token - The token that was given during authentication (Required).

How to use?
The body and parameters are very complicated in this procedure. Please refer to the
ImageSend code for Android and iOS.

When to use?
You should use it before making an item, updating an item, or updating an account's details.
The url that you will get back can be used to those fields.

Output
  success – Boolean indicating whether or not it has been performed.
  message – Message indicating what has happened.
  url – The url of the image stored on the server.