

Property:

Endpoint: /property/

Methods: GET

Fields/Payload: uid, city, num_guests, num_beds, num_baths, wifi, free_parking, sort_by, ordering

Description: View the properties as a list with the given filters

Endpoint: /property/<pid>/

Methods: GET, PATCH, DELETE

Fields/Payload: name, address, city, price, rating, num_ratings, num_guests, num_beds, num_baths, wifi, free_parking

Description: View the information of a single property. 404 NOT FOUND if the property is not found. 403 FORBIDDEN if the user tries to edit or delete a property that is not theirs.

Endpoint: /property/create/

Methods: POST

Fields/Payload: name, address, city, price, rating, num_ratings, num_guests, num_beds, num_baths, wifi, free_parking

Description: Create a new property. name, address, city, price, num_guests, num_beds, num_baths are required.

Endpoint: /property/<pid>/images/add

Methods: POST

Fields/Payload: images

Description: Add images for the property with images as Image files. 404 NOT FOUND if the property is not found. 403 FORBIDDEN if the user is not the owner of the property.

Endpoint: /property/<pid>/images/

Methods: GET

Fields/Payload:

Description: View the information of all the images for the property.

Endpoint: /property/images/<image_id>/delete/

Methods: DELETE

Fields/Payload: images

Description: Delete the specified image. 404 NOT FOUND if the property is not found. 403 FORBIDDEN if the user is not the owner of the property.

User:

Endpoint: /api/token/

Methods: POST

Fields/Payload: username, password

Description: Log into system, once a user is registered. User_name and password are required

Endpoint: /api/token/refresh/

Methods: POST

Fields/Payload: refresh token

Description: Used to generate new access token from an active refresh token.

Endpoint: /user/register/

Methods: POST

Fields/Payload: first_name, last_name, username, email, password

Description: Create a new user into the system. email, user_name and password are required

Endpoint: /user/change_password/<int:pk>/

Methods: PUT

Fields/Payload: password, password1, old_password

Description: Change password for a logged in user. password, password1 and old_password are required

Endpoint: /user/change_profile/<int:pk>/

Methods: PUT

Fields/Payload: first_name, last_name, email

Description: Update information such as first_name, last_name or email for a logged in user.

Comment:

Endpoint: /comment/property/<int:pid>/reply/<int:cid>/

Methods: POST

Fields/Payload: content

Description: A user cannot reply directly to their parent comment. A host is allowed to reply to a user's parent comment.

Endpoint: /comment/property/<int:pid>/

Methods: GET

Fields/Payload:

Description: List view of all comments for selected property id.

Endpoint: /comment/property/<int:pid>/add/

Methods: POST

Fields/Payload: content

Description: A guest is allowed to add a comment to any selected property (with reservation). An owner is not allowed to comment on a property they own.

Endpoint: /comment/user/<int:uid>/

Methods: GET

Fields/Payload:

Description: To get a specified user's reviews made by previous hosts.

Endpoint: /comment/user/<int:uid>/add/

Methods: POST

Fields/Payload: content

Description: Hosts can review users that have stayed at their property.

Reservation:

Endpoint: /reservation/reservationlist/

Methods: GET

Fields/Payload: role, status

Description: View the reservations as a list with the given filters. Role is guest or host, status can be pending, denied, expired, approved, canceled, terminated, completed.

Endpoint: /reservation/reserve/

Methods: POST

Fields/Payload: property, start, end

Description: Create a reservation for a property. Property is the pid, start and end are in the following format YYYY-MM-DD. Can't reserve your own property, can't reserve if overlap with other reservations, start must be before end. Generates notification for host.

Endpoint: /reservation/cancel/

Methods: GET

Fields/Payload: rid

Description: Allows guest to delete pending or cancel approved reservations and allows host to terminate approved reservations or deny pending reservations. Generates notification.

Endpoint: /reservation/approve/

Methods: GET

Fields/Payload: rid

Description: Allows host to approve pending reservation. Generates notification.

Notification:

Endpoint: /notification/list/

Methods: GET

Fields/Payload:

Description: View the notifications as a list.

Endpoint: /notification/<int:nid>/

Methods: GET, DELETE

Fields/Payload:

Description: View or delete the notification with corresponding nid (if recipient of notification is the one doing request).
