

# Database Rest API Documentation

## Package/NPM Dependencies:

- body-parser
- detenv
- express
- mysql
- bcryptjs
- multer
- jsonwebtoken

## Rest API Link:

- <https://alarmbuddy.wm.r.appspot.com>

## Calls:

- User Information: <https://alarmbuddy.wm.r.appspot.com/users/{username}>
  - GET request
  - {username} = the user's username as listed on their account
  - Example using cURL:
    - `curl -X GET https://alarmbuddy.wm.r.appspot.com/users/Don -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImIhdCI6MTYxNzg1MDMyMiwiZXhwljoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68_duzyNIVezF__I2NVCuK3uf"`
- Creating New User: <https://alarmbuddy.wm.r.appspot.com/register>
  - POST request
  - Variables/Arguments
    - username
    - password
    - firstName
    - lastName
    - email
    - phoneNumber
    - birthdate
  - Example using cURL:
    - `curl -X POST -d "username=helo&password=helo&firstName=aaron&lastName=marshall&email=test@gmail.com&phoneNumber=777-777-7777&birthDate=1998-10-27" https://alarmbuddy.wm.r.appspot.com/newUser`
- Get Friends: <https://alarmbuddy.wm.r.appspot.com/friendsWith/{username}>
  - GET request

- {username} = the user's username as listed on their account
- Example using cURL:
  - curl -X GET https://alarmbuddy.wm.r.appspot.com/friendWith/Don -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3uf"
- Login: <https://alarmbuddy.wm.r.appspot.com/login>
  - POST request
  - Example using cURL:
    - curl -X POST -d "username=johnny&password=helo" https://alarmbuddy.wm.r.appspot.com/login
- Download Sound: <https://alarmbuddy.wm.r.appspot.com/download/{username}/{soundID}>
  - GET request
  - {username} = the user's username as listed on their account
  - {soundID} = the ID of the sound in the database – use /sounds handler to get list of sounds user owns
  - Example using cURL:
    - curl -X GET https://alarmbuddy.wm.r.appspot.com/download/johnny/31 -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us"
- Upload Sound: <https://alarmbuddy.wm.r.appspot.com/upload/{username}>
  - POST request
  - {username} = the user's username as listed on their account
  - Variables/Arguments
    - file
  - Example using cURL:
    - curl -X POST -F "file=@/path\_to\_file" -F "soundDescription=this is some description of the sound" https://alarmbuddy.wm.r.appspot.com/upload/Don -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us"
- User Sound List: <https://alarmbuddy.wm.r.appspot.com/sounds/{username}>
  - GET request
  - {username} = the user's username as listed on their account
  - Example using cURL:
    - curl -X GET https://alarmbuddy.wm.r.appspot.com/sounds/johnny -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us"

- Delete Sound: <https://alarmbuddy.wm.r.appspot.com/deleteSound/{username}/{soundID}>
  - DELETE request
  - {username} = the user's username as listed on their account
  - {soundID} = the ID of the sound in the database – use /sounds handler to get list of sounds user owns
  - Example using cURL:
    - `curl -X DELETE https://alarmbuddy.wm.r.appspot.com/deleteSound/johnny/31 -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjojNjE3OTM2NzlfQ.PTifpWEtSLYx7T0Jow68_duzyNIVezF__I2NVCuK3us"`
- Set Profile Picture: <https://alarmbuddy.wm.r.appspot.com/setProfilePicture/{username}>
  - POST request
  - {username} = the user's username as listed on their account
  - Example using cURL:
    - `curl -X POST -F "file=@/path/to/file.png" https://alarmbuddy.wm.r.appspot.com/setProfilePicture/johnny -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjojNjE3OTM2NzlfQ.PTifpWEtSLYx7T0Jow68_duzyNIVezF__I2NVCuK3us"`
- Get Profile Picture: <https://alarmbuddy.wm.r.appspot.com/getProfilePicture/{username}>
  - GET request
  - {username} = the user's username as listed on their account
  - Example using cURL:
    - `curl -X GET https://alarmbuddy.wm.r.appspot.com/getProfilePicture/johnny -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjojNjE3OTM2NzlfQ.PTifpWEtSLYx7T0Jow68_duzyNIVezF__I2NVCuK3us"`
- Share Sound: <https://alarmbuddy.wm.r.appspot.com/shareSound/{sender}/{receiver}/{soundID}>
  - POST request
  - {sender} = the username of the user attempting to send a sound
  - {receiver} = the username of the user that should receive the sound
  - {soundID} = the ID of the sound in the database – use /sounds handler to get list of sounds user owns
  - Example using cURL:
    - `curl -X POST https://alarmbuddy.wm.r.appspot.com/shareSound/jeff/johnny/28 -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjojNjE3OTM2NzlfQ.PTifpWEtSLYx7T0Jow68_duzyNIVezF__I2NVCuK3us"`
- Get Incoming Friend Requests

- Sending Friend Request:

*<https://alarmbuddy.wm.r.appspot.com/sendRequest/{sender}/{receiver}>*

- POST request
- {sender} = username of person sending the request
- {receiver} = the username of person to send friend request to
- Example using cURL:
  - curl -X POST <https://alarmbuddy.wm.r.appspot.com/sendRequest/johnny/Don> -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us"

- Accepting Friend Request:

*<https://alarmbuddy.wm.r.appspot.com/acceptFriendRequest/{receiver}/{sender}>*

- POST request
- {receiver} = the username of person to send friend request to
- {sender} = username of person sending the request
- Example using cURL:
  - curl -X POST <https://alarmbuddy.wm.r.appspot.com/acceptFriendRequest/johnny/Don> -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us"

- Canceling Friend Request:

*<https://alarmbuddy.wm.r.appspot.com/cancelFriendRequest/{sender}/{receiver}>*

- POST request
- {sender} = username of person sending the request
- {receiver} = the username of person to send friend request to
- Example using cURL:
  - curl -X POST <https://alarmbuddy.wm.r.appspot.com/cancelFriendRequest/johnny/Don> -H "Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImhhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlyfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us"
- \*NOTE: only person that sent the friend request can cancel the request

- Denying Friend Request:

*<https://alarmbuddy.wm.r.appspot.com/denyFriendRequest/{receiver}/{sender}>*

- POST request
- {receiver} = the username of person to send friend request to
- {sender} = username of person sending the request
- Example using cURL:
  - curl -X POST <https://alarmbuddy.wm.r.appspot.com/denyFriendRequest/johnny/Don> -H

“Authorization:

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImIhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us”

- \*NOTE: only person that receives the friend request can deny the request
- Deleting Friend: <https://alarmbuddy.wm.r.appspot.com/deleteFriend/{username}/{friend}>
  - POST request
  - {username} = the user’s username as listed on their account
  - {friend} = username of friend to remove
  - Example using cURL:
    - Curl -X POST <https://alarmbuddy.wm.r.appspot.com/deleteFriend/johnny/Don>  
-H “Authorization:  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImpvaG5ueSIsImIhdCI6MTYxNzg1MDMyMiwiZXhwIjoxNjE3OTM2NzlfQ.PTifpWEtSLYx7T0Jow68\_duzyNIVezF\_\_I2NVCuK3us”