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| Action | Path & Method - Allowance | Send/Receive |
| Login | \*/users/authenticate  POST – if not logged in | **Request** :  {  “email”: string,  “password”:string (password)  }  **Response** :  Success:  Session initiated, User Info: {first\_name , last\_name, email, id}  Failure:  {msg: “type of error”} |
| Logout | \*/users/logout  GET – if logged in | **Request** :  {  }  **Response** :  Session destroyed, {msg: "logged out"} |
| Create New User | \*/users/register  POST – if not logged in | **Request** :  {  “first\_name”: string,  “last\_name”:string,  “email”:string,  “password”:string  }  **Response** :  {success: false, msg:"Failed to register"}  or  {success: true, msg:"Registration completed"} |
| Check if user is logged | \*/users/checkifloggedin  GET | **Request** :  {  }  **Response** :  {msg:"logged in"}  Or  {msg: “not logged in} |
| Send an order for album(s) | \*/users/order  POST – if logged in | **Request** : {  “customer\_id”: string,  “address”: string,  “city”: string,  “zip”: string,  “telephone”: string,  “payment\_method”: string,  “name\_card”: string,  “creditcard\_number”: string,  “creditcard\_type”: string,  “expiration”:string,  “cvv”: string,  “order”: string,  “total\_price”: string  **Response** :  {success: false, msg:"Failed to order"}  or  {success: true, msg:"Order completed"} |
| Initial Call :  Displays home page while delivering the album info for the home page and all the client side files(HTML, CSS, ANGULAR JS) | \*/  GET | **Request** :  {  }  **Response** :  render('index', {albums: albums.slice(0,23)})  renders index.html and sends albuminfo object of the first 24 albums. |
| Request albums info | \*/albums/ getallalbums/:page GET | **Request** :  {  “page”: 0 – for all albums,  1 – for 23 newest albums  2 – for all other albums from the 24th newest  }  **Response** :  [{\_id, name, artist, dateadded, genre, image: base 64 encoded, description, details, year, price , availability}; …..; …. ] |
| Get all albums of a given genre | \*/albums/ /getallalbumsgenre/:genre  GET | **Request** :  {“genre”: string  }  **Response** :  [{\_id, name, artist, dateadded, genre, image: base 64 encoded, description, details, year, price , availability}; …..; …. ] |
| Search albums by name or artist | \*/albums/search  POST | **Request** :  {“research”:string}  **Response** :  [{\_id, name, artist, dateadded, genre, image: base 64 encoded, description, details, year, price , availability}; …..; …. ] |
| Get an album by its ID | \*/albums/search/:id  GET | **Request** :  {“id”:ID}  **Response** :  {\_id, name, artist, dateadded, genre, image: base 64 encoded, description, details, year, price , availability} |
|  | PLEASE NOTE THAT FUNCTIONALITIES ASSOCIATED WITH THE CART OR THE WISHLIST WERE DONE ONLY ON THE CLIENT SIDE WITH THE LOCAL STORAGE IN ORDER TO SAVE UNNECESSARY REQUESTS TO THE SERVER |  |