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| API | USE & SAMPLE |
| /registeruser | To add a new user to gift registry.  POST  INPUT: JSON  {  "email": "john@gmail.com",  "password": "test213",  "phoneNum": 1233333339,  "userType": 1,  "username": "John"  }    OUTPUT: JSON  {  "email": "john@gmail.com",  "password": "test213",  "phoneNum": 1233333339,  "userID": 133,  "userType": 1,  "username": "John"  } |
| /customerdetails | To get all users with all user info.  GET  INPUT: -  OUTPUT:  [  {  "email": "test1@gmail.com",  "password": "test213",  "phoneNum": 123456789,  "userID": 124,  "userType": 1,  "username": "User123RAD1"  },  {  "email": "test@gmail.com",  "password": "test",  "phoneNum": 123456789,  "userID": 125,  "userType": 2,  "username": "Radhika"  },  {  "email": "test2@gmail.com",  "password": "test2",  "phoneNum": 123456789,  "userID": 126,  "userType": 1,  "username": "User1"  }  ] |
| /customerdetails/{emailID} | To get a particular user information.  GET  Eg: http://localhost:8085/GiftRegistryDBWeb/rest/customerdetails/test1@gmail.com  OUTPUT: JSON  {  "email": "test1@gmail.com",  "password": "test1",  "userID": 124,  "userType": 1,  "username": "Radhika1"  } |
| /registeruser/newuser/{emailId} | To check if the user already exists.  GET  OUTPUT: TXT  False – new user  True –old user |
| /customerdetails/updateInfo | To update user information like username and password.  POST  INPUT: JSON (Must have userID in the JSON)  {  "email": "test23@gmail.com",  "password": "test213",  "userType": 1,  "username": "User123RAD1",  "userID": 124  }  OUTPUT:  JSON  {  "email": "test23@gmail.com",  "password": "test213",  "userType": 1,  "username": "User123RAD1",  "userID": 124  } |
| /productmanagement/getbrands | To get all brands  GET  INPUT: -  OUTPUT: JSON  [  {  "brandID": 1,  "brandName": "Nike"  },  {  "brandID": 2,  "brandName": "Wildcraft"  }  ] |
| /productmanagement/getcategories | To get all categories.  GET  INPUT: -  OUTPUT:JSON  [  {  "categoryID": 1,  "categoryName": "Electronics"  },  {  "categoryID": 2,  "categoryName": "Kitchen"  },  {  "categoryID": 3,  "categoryName": "Fashion"  }  ] |
| /productmanagement/allproducts | To get all products  GET  INPUT: -  OUTPUT:  JSON  [  {  "brandID": 1,  "brandname": "PEN",  "category": "Electronics",  "categoryID": 1,  "certification": 1,  "imageURL": "",  "price": 40,  "productID": 900,  "productName": "PEN",  "rating": 4  }  ] |
| /productmanagement/addproduct | To add a product.  POST  INPUT: JSON  {  "productID" : 0,  "productName" : "IPHONE",  "price" : 1400,  "imageURL" : "",  "rating" : 5,  "certification" : 1,  "brandID" : 1,  "categoryID" : 1,  "brandName" : "",  "categoryName" : ""  }  productID,brandName,categoryName are updated after inserting into DB.  OUTPUT:JSON  {  "code": 100,  "message": "Success"  } |
| productmanagement/deleteproduct/{product-ID}  Eg:  http://localhost:8085/GiftRegistryDBWeb/rest/productmanagement/deleteproduct/903 | To delete a product.  GET  Input: -  OUTPUT:  {  "code": 100,  "message": "Success"  } |
| registrymanagement/getallregistry/{user-ID}  eg :  registrymanagement/getallregistry/124 | To get all registries of a user  GET  INPUT: -  OUTPUT:  [  {  "registryID": 900,  "registryName": "MyPublicRegistry",  "registryType": 1,  "userID": 124  },  {  "registryID": 901,  "registryName": "MyPrivateRegistry",  "registryType": 0,  "userID": 124  }  ] |
| /registrymanagement/add | To add a registry.  POST  INPUT: JSON  {  "registryID": 0,  "registryName": "My\_NEW\_PublicRegistry",  "registryType": 1,  "userID": 124  }  OUTPUT:  JSON  {  "registryID": 902,  "registryName": "My\_NEW\_PublicRegistry",  "registryType": 1,  "userID": 124  } |
| /registrymanagement/delete/{registry-ID}  Eg:  /registrymanagement/delete/902 | To delete a registry  GET  INPUT: -  OUTPUT:  JSON  {  "code": 100,  "message": "Success"  } |
| registryproductmapper/addproduct/{registry-ID}/{productID}  Eg:  registryproductmapper/addproduct/900/902 | To add product to a registry  GET  INPUT: -  OUTPUT:  {  "code": 200,  "message": "SUCCESS"  } |
| registryproductmapper/deleteproduct/{registry\_ID}/{productID}  eg:  /registryproductmapper/deleteproduct/909/903 | To delete a product from the registry.  GET  INPUT: -  OUTPUT:  {  "code": 100,  "message": "SUCCESS"  } |
| registryproductmapper/allproducts/{registry-Id}  Eg:  registryproductmapper/allproducts/903 | To get all the products of a registry.  GET  INPUT: -  OUTPUT:JSON of all products in the registry  [  {  "brandID": 1,  "brandname": "PEN",  "category": "Electronics",  "categoryID": 1,  "certification": 1,  "imageURL": "",  "price": 40,  "productID": 900,  "productName": "PEN",  "rating": 4  },  {  "brandID": 1,  "brandname": "IPHONE",  "category": "Electronics",  "categoryID": 1,  "certification": 1,  "imageURL": "",  "price": 1400,  "productID": 902,  "productName": "IPHONE",  "rating": 5  }  ] |
| /registryproductmapper/shareprivateregistry/{registryID}/{registryOwnerID}/{buyeruserID}  eg:  /registryproductmapper/shareprivateregistry/901/124/125 | To a share a private registry to user.  GET  INPUT: -  OUTPUT: Status JSON  {  "code": 100,  "message": "SUCCESS"  } |
| /registryproductmapper/markregistrypublic/{registryID}  eg:  /registryproductmapper/markregistrypublic/901 | To make a registry public.  GET  INPUT: -  OUTPUT: Status JSON  {  "code": 100,  "message": "SUCCESS"  } |
| registryproductmapper/deleteallprivateregistrymapping/{registry-ID}  Eg:  registryproductmapper/deleteallprivateregistrymapping/903 | To delete all entries of private user registry mapping.  GET  INPUT: -  OUTPUT: Status JSON  {  "code": 100,  "message": "SUCCESS"  } |
| registryproductmapper/ | To get the list of registries shared with you.  GET  INPUT: -  OUTPUT: JSON  [  {  "registryID": 900,  "registryName": "MyPublicRegistry",  "registryType": 0,  "userID": 124  },  {  "registryID": 901,  "registryName": "MyPrivateRegistry",  "registryType": 1,  "userID": 124  },  {  "registryID": 903,  "registryName": "My\_NEW\_PublicRegistry",  "registryType": 1,  "userID": 124  }  ] |
| customerdetails/userID/{user-ID} | To get profile information from userID  GET  INPUT: -  OUTPUT:  {  "email": "test1@gmail.com",  "password": "mynewwpassword",  "phoneNum": 123456789,  "userID": 124,  "userType": 1,  "username": "User123RAD1"  } |
| buyerproductmapper/assignproduct/{registryID}/{productId}/{buyerID}  buyerproductmapper/assignproduct/903/900/129 | To assign a product from shared registry.  GET  INPUT: -  OUTPUT:  JSON of status  {  "code": 100,  "message": "SUCCESS"  } |
| buyerproductmapper/getassignedproducts/{RegistryID}/{buyerUserID}  buyerproductmapper/getassignedproducts/903/129 | To get the set of products assigned to self in a registry.  GET  INPUT: -  OUTPUT:  JSON of list of Product  [  {  "brandID": 1,  "brandname": "PEN",  "category": "Electronics",  "categoryID": 1,  "certification": 1,  "imageURL": "",  "price": 40,  "productID": 900,  "productName": "PEN",  "rating": 4  },  {  "brandID": 1,  "brandname": "IPHONE",  "category": "Electronics",  "categoryID": 1,  "certification": 1,  "imageURL": "",  "price": 1400,  "productID": 902,  "productName": "IPHONE",  "rating": 5  }  ] |