**HEADERS: Authorization = token\_access**

| Casos de prueba APIGATEWAY-MS user | | | | | |
| --- | --- | --- | --- | --- | --- |
| # | DESCRIPCIÓN | TIPO | OPERATIONS | VARIABLES | OUTPUT |
| 001 | Creación de usuarios según modelos | Mutation | mutation Mutation($userInput: signUpInput) {  signUpUser(userInput: $userInput) {  refresh  access  }  } | {  "userInput": {  "username": "Prueba",  "password": "1234",  "nombre": "Prueba",  "email": "prb@gmail.com"  }  } | {  "data": {  "signUpUser": {  "refresh": "x",  "access": "x"  }  }  } |
| 002 | Ver información usuario | Query | query Query($idUser: Int!) {  userDetailById(idUser: $idUser) {  id  username  nombre  email  rol  }  } | {  "idUser": 2  } | {  "data": {  "userDetailById": {  "id": 2,  "username": "Prueba",  "nombre": "Prueba",  "email": "prb@gmail.com",  "rol": "User"  }  }  } |
| 003 | Actualizar información usuario | Mutation | mutation Mutation($userUpdateInput: userUpdateInput!, $idUser: Int!) {  updateUser(userUpdateInput: $userUpdateInput, idUser: $idUser) {  id  username  nombre  email  rol  }  } | { "userUpdateInput": {  "password": "4321",  "nombre": "pruebaupdate",  "email": "prbupdate@gmail.com"  },  "idUser": 2  } | {  "data": {  "updateUser": {  "id": 2,  "username": "Prueba",  "nombre": "pruebaupdate",  "email": "prbupdate@gmail.com",  "rol": "User"  }  }  } |
| 004 | Ingreso de usuario según modelo para acceso al sistema | Mutation | mutation Mutation($credentials: credentialsInput!) {  logIn(credentials: $credentials) {  refresh  access  }  } | {  "credentials": {  "email": "prbupdate@gmail.com",  "password": "4321"  }  } | {  "data": {  "logIn": {  "refresh": "x",  "access": "x"  }  }  } |
| 005 | Acceso al refresh token para mantener y validar sesiones del token access | Mutation | mutation RefreshToken($refresh: String!) {  refreshToken(refresh: $refresh) {  access  }  } | {  "refresh": "x”  } | {  "data": {  "refreshToken": {  "access": "x"  }  }  } |
| 006 | Borrar usuario | Mutation | mutation DeleteUser($idUser: Int!) {  deleteUser(idUser: $idUser)  } | {  "idUser": 2  } | {  "data": {  "deleteUser": ""  }  } |

**HEADERS: Authorization = token\_access**

| Casos de prueba APIGATEWAY-MS compras | | | | | |
| --- | --- | --- | --- | --- | --- |
| # | DESCRIPCIÓN | TIPO | OPERATIONS | VARIABLES | OUTPUT |
| 001 | Ver información cuenta | Query | query Query($idUser: Int!) {  accountPurchaseById(idUser: $idUser) {  idUser  username  balance  }  } | {  "idUser": 3  } | {  "data": {  "accountPurchaseById": {  "idUser": 3,  "username": "prueba2",  "balance": 200000  }  }  } |
| 002 | Actualizar información cuenta | Mutation | mutation Mutation($accountPInput: accountPurchaseUpdateInput!, $idUser: Int!) {  updateAccountPurchase(accountPInput: $accountPInput, idUser: $idUser) {  idUser  username  balance  }  } | { "accountPInput": {  "balance": 1000000  },  "idUser": 3  } | {  "data": {  "updateAccountPurchase": {  "idUser": 3,  "username": "prueba2",  "balance": 1000000  }  }  } |
| 003 | Crear libro | Mutation | mutation Mutation($book: bookSInput!, $idUser: Int!) {  createBookS(book: $book, idUser: $idUser) {  idBookS  bookCover  title  units  author  description  price  }  } | { "book": {  "idBookS": 1,  "bookCover": "cover",  "title": "libro",  "units": 50,  "author": "anonimo",  "description": "",  "price": 50000  },  "idUser": 3  } | {  "data": {  "createBookS": {  "idBookS": 1,  "bookCover": "cover",  "title": "libro",  "units": 50,  "author": "anonimo",  "description": "",  "price": 50000  }  }  } |
| 004 | Ver libro por id | Query | query Query($idBookS: Int!, $idUser: Int!) {  bookSDetailById(idBookS: $idBookS, idUser: $idUser) {  idBookS  bookCover  title  units  author  description  price  }  } | { "idBookS": 1,  "idUser": 3  } | {  "data": {  "bookSDetailById": {  "idBookS": 1,  "bookCover": "cover",  "title": "libro",  "units": 50,  "author": "anonimo",  "description": "",  "price": 50000  }  }  } |
| 005 | Actualizar libro | Mutation | mutation Mutation($updateBook: bookSInput!, $idUser: Int!) {  updateBookS(updateBook: $updateBook, idUser: $idUser) {  idBookS  bookCover  title  units  author  description  price  }  } | "updateBook": {  "idBookS": 1,  "bookCover": "coverupdate",  "title": "libroupdate",  "units": 20,  "description": "",  "author": "anonimo"  "price": 25000  },  "idUser": 3  } | {  "data": {  "bookSDetailByTitle": {  "idBookS": 1,  "bookCover": "coverupdate",  "title": "libroUpdate",  "units": 500,  "author": "anonimo",  "description": "",  "price": 25000  }  }  } |
| 006 | Ver libro por titulo | Query | query Query($title: String!, $idUser: Int!) {  bookSDetailByTitle(title: $title, idUser: $idUser) {  idBookS  bookCover  title  units  author  description  price  }  } | {  "title": "libroUpdate",  "idUser": 3  } | {  "data": {  "bookSDetailByTitle": {  "idBookS": 1,  "bookCover": "coverupdate",  "title": "libroUpdate",  "units": 500,  "author": "anonimo",  "description": "",  "price": 25000  }  }  } |
| 007 | Listar libros | Query | query Query($idUser: Int!) {  booksSList(idUser: $idUser) {  idBookS  bookCover  title  units  author  description  price  }  } | {  "idUser": 3  } | {  "data": {  "booksSList": [  {  "idBookS": 1,  "bookCover": "coverupdate",  "title": "libroUpdate",  "units": 500,  "author": "anonimo",  "description": "",  "price": 25000  },  {  "idBookS": 2,  "bookCover": "cover2",  "title": "libro2",  "units": 100,  "author": "anonimo",  "description": "",  "price": 15000  }  ]  }  } |
| 008 | Borrar libro | Mutation | mutation Mutation($idBookS: Int!, $idUser: Int!) {  deleteBookS(idBookS: $idBookS, idUser: $idUser)  } | { "idBookS": 1,  "idUser": 3  } | {  "data": {  "deleteBookS": "successful deletion"  }  } |
| 009 | Crear transacción | Mutation | mutation Mutation($transactionP: transactionPurchaseInput!, $idUser: Int!) {  createPurchaseTransaction(transactionP: $transactionP, idUser: $idUser) {  id  idUser  idBookS  value  nameBookS  date  count  }  } | { "transactionP": {  "id": 1,  "idBookS": 2,  "count": 5  },  "idUser": 3  } | {  "data": {  "createPurchaseTransaction": {  "id": 1,  "idUser": 3,  "idBookS": 2,  "value": 75000,  "nameBookS": "libro2",  "date": "2021-12-02T05:44:05.588+00:00",  "count": 5  }  }  } |
| 010 | Ver transacciones por usuario | Query | query Query($idUser: Int!) {  getPurchaseTransactions(idUser: $idUser) {  id  idUser  idBookS  nameBookS  value  date  count  }  } | {  "idUser": 3  } | {  "data": {  "getPurchaseTransactions": [  {  "id": 1,  "idUser": 3,  "idBookS": 2,  "nameBookS": "libro2",  "value": 75000,  "date": "2021-12-02T05:44:05.588+00:00",  "count": 5  },  {  "id": 2,  "idUser": 3,  "idBookS": 2,  "nameBookS": "libro2",  "value": 15000,  "date": "2021-12-02T05:47:50.427+00:00",  "count": 1  }  ]  }  } |
| 011 | Borrar transacción | Mutation | mutation Mutation($idTransaction: Int!, $idUser: Int!) {  deletePurchaseTransaction(idTransaction: $idTransaction, idUser: $idUser)  } | { "idTransaction": 1,  "idUser": 3  } | {  "data": {  "deletePurchaseTransaction": "successful deletion"  }  } |

**HEADERS: Authorization = token\_access**

| Casos de prueba APIGATEWAY-MS alquiler | | | | | |
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| # | DESCRIPCIÓN | TIPO | OPERATIONS | VARIABLES | OUTPUT |
| 001 | Ver información cuenta | Query | query Query($idUser: Int!) {  accountRentalById(idUser: $idUser) {  idUser  username  count  }  } | {  "idUser": 3  } | {  "data": {  "accountRentalById": {  "idUser": 3,  "username": "prueba2",  "count": 0  }  }  } |
| 002 | Actualizar información cuenta | Mutation | mutation Mutation($accountRInput: accountRentalUpdateInput!, $idUser: Int!) {  updateAccountRental(accountRInput: $accountRInput, idUser: $idUser) {  idUser  username  count  }  } | { "accountRInput": {  "count": 15  },  "idUser": 3  } | {  "data": {  "updateAccountRental": {  "idUser": 3,  "username": "prueba2",  "count": 15  }  }  } |
| 003 | Crear libro | Mutation | mutation Mutation($book: bookRInput!, $idUser: Int!) {  createbookR(book: $book, idUser: $idUser) {  idBookR  bookCover  title  units  author  description  }  } | { "book": {  "idBookR": 1,  "bookCover": "cover",  "title": "libro",  "units": 156,  "author": "anonimo",  "description": ""  },  "idUser": 3  } | {  "data": {  "createbookR": {  "idBookR": 1,  "bookCover": "cover",  "title": "libro",  "units": 156,  "author": "anonimo",  "description": ""  }  }  } |
| 004 | Ver libro por id | Query | query Query($idBookR: Int!, $idUser: Int!) {  bookRDetailById(idBookR: $idBookR, idUser: $idUser) {  idBookR  bookCover  title  units  description  author  }  } | { "idBookR": 1,  "idUser": 3  } | "data": {  "bookRDetailById": {  "idBookR": 1,  "bookCover": "cover",  "title": "libro",  "units": 156,  "description": "",  "author": "anonimo"  }  }  } |
| 005 | Actualizar libro | Mutation | mutation Mutation($updateBook: bookRInput!, $idUser: Int!) {  updatebookR(updateBook: $updateBook, idUser: $idUser) {  idBookR  bookCover  title  units  author  description  }  } | { "updateBook": {  "idBookR": 1,  "bookCover": "coverupdate",  "title": "libroupdate",  "units": 20,  "description": "",  "author": "anonimo"  },  "idUser": 3  } | {  "data": {  "updatebookR": {  "idBookR": 1,  "bookCover": "coverupdate",  "title": "libroupdate",  "units": 20,  "author": "anonimo",  "description": ""  }  }  } |
| 006 | Ver libro por titulo | Query | query Query($title: String!, $idUser: Int!) {  bookRDetailByTitle(title: $title, idUser: $idUser) {  idBookR  bookCover  title  units  author  description  }  } | { "title": "libroupdate",  "idUser": 3  } | {  "data": {  "bookRDetailByTitle": {  "idBookR": 1,  "bookCover": "coverupdate",  "title": "libroupdate",  "units": 20,  "author": "anonimo",  "description": ""  }  }  } |
| 007 | Listar libros | Query | query BooksRList($idUser: Int!) {  booksRList(idUser: $idUser) {  idBookR  bookCover  title  units  author  description  }  } | {  "idUser": 3  } | {  "data": {  "booksRList": [  {  "idBookR": 1,  "bookCover": "coverupdate",  "title": "libroupdate",  "units": 20,  "author": "anonimo",  "description": ""  },  {  "idBookR": 2,  "bookCover": "cover2",  "title": "libro2",  "units": 200,  "author": "anonimo",  "description": ""  }  ]  }  } |
| 008 | Borrar libro | Mutation | mutation Mutation($idBookR: Int!, $idUser: Int!) {  deletebookR(idBookR: $idBookR, idUser: $idUser)  } | { "idBookR": 1,  "idUser": 3  } | {  "data": {  "deleteBookR": "successful deletion"  }  } |
| 009 | Crear transacción | Mutation | mutation Mutation($transactionR: transactionRentalInput!, $idUser: Int!) {  createRentalTransaction(transactionR: $transactionR, idUser: $idUser) {  idUser  idBookR  id  nameBookR  date  count  }  } | { "transactionR": {  "id": 1,  "idBookR": 2,  "count": 5  },  "idUser": 3  } | {  "data": {  "createRentalTransaction": {  "idUser": 3,  "idBookR": 2,  "id": 1,  "nameBookR": "libro2",  "date": "2021-12-02T06:23:31.870+00:00",  "count": 5  }  }  } |
| 010 | Ver transacciones por usuario | Query | query Query($idUser: Int!) {  getRentalTransactions(idUser: $idUser) {  id  idUser  idBookR  nameBookR  date  count  }  } | {  "idUser": 3  } | {  "data": {  "getRentalTransactions": [  {  "id": 1,  "idUser": 3,  "idBookR": 2,  "nameBookR": "libro2",  "date": "2021-12-02T06:23:31.870+00:00",  "count": 5  },  {  "id": 2,  "idUser": 3,  "idBookR": 2,  "nameBookR": "libro2",  "date": "2021-12-02T06:24:39.043+00:00",  "count": 10  }  ]  }  } |
| 011 | Borrar transacción | Mutation | mutation Mutation($idTransaction: Int!, $idUser: Int!) {  deleteRentalTransaction(idTransaction: $idTransaction, idUser: $idUser)  } | { "idTransaction": 1,  "idUser": 3  } | {  "data": {  "deleteRentalTransaction": "successful deletion"  }  } |