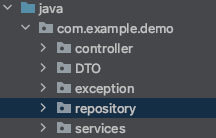
EJERCICIO PRÁCTICO #1

DIVISIÓN DEL PROYECTO

El proyecto se dividió en 4 paquetes.



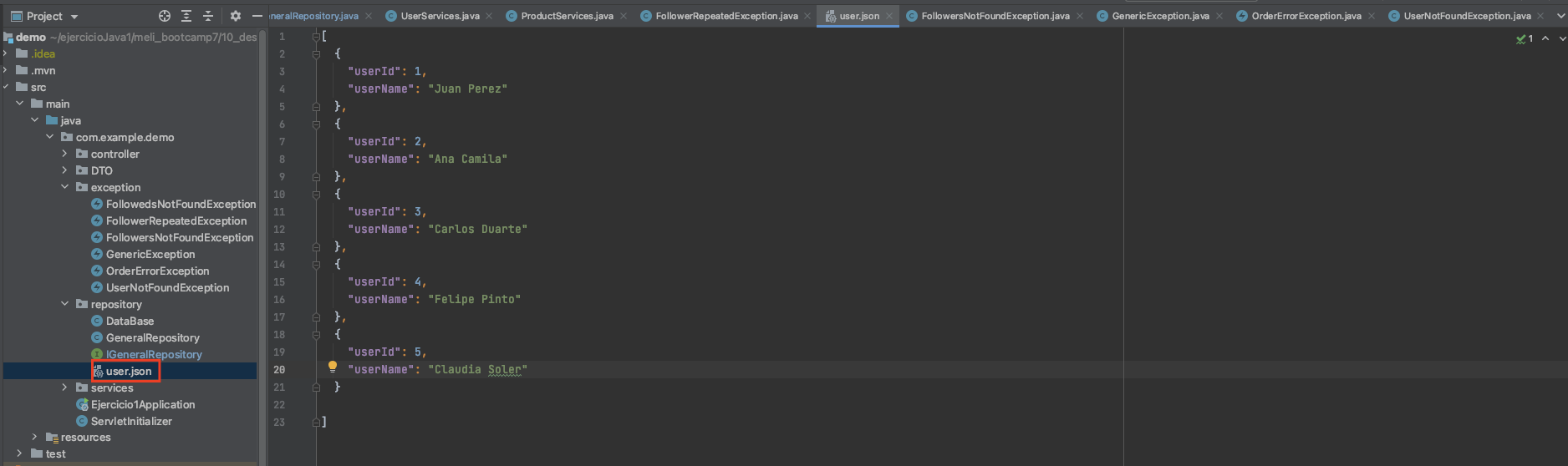
En controller se encuentran los controladores usados tanto como endpoints como para el manejador de excepciones.

En DTO se encuentran todos los dto usados en el proyecto.

En exception se manejan todas las excepciones usadas en el requerimiento. Las excepciones son:

* FollowedsNotFoundException: Un usuario no está siguiendo a otro usuario.
* FollowerRepeatedException: Un usuario ya es seguidor de otro usuario.
* FollowersNotFoundException: Un usuario no tiene a otro usuario como seguidor.
* GenericException: Excepción genérica padre de las demás excepciones.
* OrderErrorException: El parámetro order que llega no es válido.
* UserNotFoundException: El usuario no existe.

En repository se guarda lo relacionado a base de datos. Aca se encuentra el json donde se simula la base de datos.



En services se almacena toda la lógica de negocio para el requerimiento.

ENDPOINT

Todos los endpoint trabajados en postman, se envían en el proyecto.

**US 0001:** Poder realizar la acción de “Follow” (seguir) a un determinado vendedor

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| POST | /users/{userId}/follow/{userIdToFollow} |
| **Ejemplo: localhost:8080/users/1/follow/2** | |
| **Response** | Status Code 200 (todo OK)  Status Code 400 (Bad Request) |

**US 0002:** Obtener el resultado de la cantidad de usuarios que siguen a un determinado vendedor

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /users/{userId}/followers/count/ |
| **Ejemplo: localhost:8080/users/2/followers/count/** | |
| **Response** | {  "userId": 2,  "userName": "Ana Camila",  "followers\_count": 3  } |

**US 0003:** Obtener un listado de todos los usuarios que siguen a un determinado vendedor (¿Quién me sigue?)

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /users/{UserID}/followers/list |
| **Ejemplo:localhost:8080/users/2/followers/list** | |
| **Response** | {  "userId": 2,  "userName": "Ana Camila",  "followers": [  {  "userId": 3,  "userName": "Carlos Duarte"  },  {  "userId": 4,  "userName": "Felipe Pinto"  },  {  "userId": 1,  "userName": "Juan Perez"  }  ]  } |

**US 0004:** Obtener un listado de todos los vendedores a los cuales sigue un determinado usuario (¿A quién sigo?)

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /users/{UserID}/followed/list |
| **Ejemplo:localhost:8080/users/1/followed/list** | |
| **Response** | {  "userId": 1,  "userName": "Juan Perez",  "followed": [  {  "userId": 2,  "userName": "Ana Camila"  },  {  "userId": 5,  "userName": "Claudia Soler"  }  ]  } |

**US 0005:** Dar de alta una nueva publicación

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| POST | /products/newpost |
| **PAYLOAD:** | {  "userId": 2,  "idPost": 1,  "date": "2021-06-03",  "detail": {  "productId": 1,  "productName": "Play 5",  "type": "Gamer",  "brand": "Console",  "color": "White",  "notes": "is new"  },  "category": 5,  "price": 4000.00  }  {  "userId": 2,  "idPost": 2,  "date": "2021-05-01",  "detail": {  "productId": 1,  "productName": "Rompecabezas",  "type": "Game",  "brand": "Puzle",  "color": "Multi",  "notes": "4000 pieces"  },  "category": 6,  "price": 500.00  }  {  "userId": 5,  "idPost": 3,  "date": "2021-06-08",  "detail": {  "productId": 1,  "productName": "ArmaTodo",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "1000 pieces"  },  "category": 7,  "price": 300.00  }  {  "userId": 5,  "idPost": 4,  "date": "2021-06-07",  "detail": {  "productId": 1,  "productName": "Parques",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "6 players"  },  "category": 8,  "price": 100.00  }  {  "userId": 5,  "idPost": 5,  "date": "2021-01-01",  "detail": {  "productId": 1,  "productName": "Ajedrez",  "type": "Game",  "brand": "All",  "color": "Black and white",  "notes": "In plastic"  },  "category": 9,  "price": 200.00  } |
| **RESPONSE** | Status Code 200 (todo OK)  Status Code 400 (Bad Request) |

**US 0006:** Obtener un listado de las publicaciones realizadas por los vendedores que un usuario sigue en las últimas dos semanas (para esto tener en cuenta ordenamiento por fecha, publicaciones más recientes primero).

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /products/followed/{userId}/list |
| **Ejemplo:localhost:8080/products/followed/1/list** | |
| **RESPONSE:** | {  "userId": 1,  "listPost": [  {  "userId": 5,  "idPost": 3,  "date": "2021-06-08T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "ArmaTodo",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "1000 pieces"  },  "category": 7,  "price": 300.0  },  {  "userId": 5,  "idPost": 4,  "date": "2021-06-07T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Parques",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "6 players"  },  "category": 8,  "price": 100.0  },  {  "userId": 2,  "idPost": 1,  "date": "2021-06-03T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Play 5",  "type": "Gamer",  "brand": "Console",  "color": "White",  "notes": "is new"  },  "category": 5,  "price": 4000.0  }  ]  } |

**US 0007:** Poder realizar la acción de “Unfollow” (dejar de seguir) a un determinado vendedor.

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| POST | /users/{userId}/unfollow/{userIdToUnfollow} |
| **Ejemplo:localhost:8080/users/3/unfollow/2** | |

**US 0008:** Ordenamiento alfabético ascendente y descendente

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | **Ejemplos:**  /users/{UserID}/followers/list?order=name\_asc  /users/{UserID}/followers/list?order=name\_desc  /users/{UserID}/followed/list?order=name\_asc  /users/{UserID}/followed/list?order=name\_desc |

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /users/{UserID}/followers/list |
| **Ejemplo:**  **localhost:8080/users/2/followers/list?order=name\_asc**  **localhost:8080/users/2/followers/list?order=name\_desc**  **localhost:8080/users/1/followed/list?order=name\_desc**  **localhost:8080/users/1/followed/list?order=name\_asc** | |
| **Response** | {  "userId": 2,  "userName": "Ana Camila",  "followers": [  {  "userId": 4,  "userName": "Felipe Pinto"  },  {  "userId": 1,  "userName": "Juan Perez"  }  ]  }  {  "userId": 2,  "userName": "Ana Camila",  "followers": [  {  "userId": 1,  "userName": "Juan Perez"  },  {  "userId": 4,  "userName": "Felipe Pinto"  }  ]  }  {  "userId": 1,  "userName": "Juan Perez",  "followed": [  {  "userId": 5,  "userName": "Claudia Soler"  },  {  "userId": 2,  "userName": "Ana Camila"  }  ]  }  {  "userId": 1,  "userName": "Juan Perez",  "followed": [  {  "userId": 2,  "userName": "Ana Camila"  },  {  "userId": 5,  "userName": "Claudia Soler"  }  ]  } |

**US 0009:** Ordenamiento por fecha ascendente y descendente

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /products/followed/{userId}/list |
| **Ejemplo:**  **localhost:8080/products/followed/1/list?order=date\_asc**  **localhost:8080/products/followed/1/list?order=date\_desc** | |
| **RESPONSE:** | {  "userId": 1,  "listPost": [  {  "userId": 2,  "idPost": 1,  "date": "2021-06-03T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Play 5",  "type": "Gamer",  "brand": "Console",  "color": "White",  "notes": "is new"  },  "category": 5,  "price": 4000.0  },  {  "userId": 5,  "idPost": 4,  "date": "2021-06-07T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Parques",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "6 players"  },  "category": 8,  "price": 100.0  },  {  "userId": 5,  "idPost": 3,  "date": "2021-06-08T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "ArmaTodo",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "1000 pieces"  },  "category": 7,  "price": 300.0  }  ]  }  {  "userId": 1,  "listPost": [  {  "userId": 5,  "idPost": 3,  "date": "2021-06-08T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "ArmaTodo",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "1000 pieces"  },  "category": 7,  "price": 300.0  },  {  "userId": 5,  "idPost": 4,  "date": "2021-06-07T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Parques",  "type": "Game",  "brand": "Kids",  "color": "Multi",  "notes": "6 players"  },  "category": 8,  "price": 100.0  },  {  "userId": 2,  "idPost": 1,  "date": "2021-06-03T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Play 5",  "type": "Gamer",  "brand": "Console",  "color": "White",  "notes": "is new"  },  "category": 5,  "price": 4000.0  }  ]  } |

**US 0010:** Llevar a cabo la publicación de un nuevo producto en promoción

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| POST | /products/newpromopost  Ejemplo: localhost:8080/products/newpromopost |
| **PAYLOAD:** | {  "userId": 2,  "idPost": 10,  "date": "2021-05-29",  "detail": {  "productId": 1,  "productName": "Bicicleta",  "type": "Deport",  "brand": "Machine",  "color": "Red",  "notes": "N/A"  },  "category": 10,  "price": 35000.50,  "hasPromo":**true**,  "discount":100.00  }  {  "userId": 2,  "idPost": 11,  "date": "2021-05-25",  "detail": {  "productId": 1,  "productName": "Soccer ball",  "type": "Deport",  "brand": "Soccer",  "color": "Gold",  "notes": "FIFA 2021"  },  "category": 11,  "price": 800.00,  "hasPromo":**false**,  "discount":100.00  }  {  "userId": 2,  "idPost": 12,  "date": "2021-05-20",  "detail": {  "productId": 3,  "productName": "Cartas POker",  "type": "Ocio",  "brand": "Ocio",  "color": "Red and black",  "notes": "N/A"  },  "category": 12,  "price": 500.00,  "hasPromo":**true**,  "discount":200.00  } |
| **Response** | Status Code 200 (OK)  Status Code 400 (Bad request) |

**US 0011:** Obtener la cantidad de productos en promoción de un determinado vendedor

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /products/{userId}/countPromo/  Ejemplo:  localhost:8080/products/2/countPromo |
| **Response** | {{  "userId": 2,  "userName": "Ana Camila",  "promoproducts\_count": 2  } |

**US 0012:** Obtener un listado de todos los productos en promoción de un determinado vendedor

|  |  |
| --- | --- |
| **Method** | **SIGN** |
| GET | /products/{userId}/list/  ejemplo:  localhost:8080/products/2/list?order=name\_desc  localhost:8080/products/2/list?order=name\_asc |
| **RESPONSE:** | {  "userId": 2,  "userName": "Ana Camila",  "listPromo": [  {  "userId": 2,  "idPost": 12,  "date": "2021-05-20T00:00:00.000+00:00",  "detail": {  "productId": 3,  "productName": "Cartas POker",  "type": "Ocio",  "brand": "Ocio",  "color": "Red and black",  "notes": "N/A"  },  "category": 12,  "price": 500.0,  "hasPromo": **true**,  "discount": 200.0  },  {  "userId": 2,  "idPost": 10,  "date": "2021-05-29T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Bicicleta",  "type": "Deport",  "brand": "Machine",  "color": "Red",  "notes": "N/A"  },  "category": 10,  "price": 35000.5,  "hasPromo": **true**,  "discount": 100.0  }  ]  }  {  "userId": 2,  "userName": "Ana Camila",  "listPromo": [  {  "userId": 2,  "idPost": 10,  "date": "2021-05-29T00:00:00.000+00:00",  "detail": {  "productId": 1,  "productName": "Bicicleta",  "type": "Deport",  "brand": "Machine",  "color": "Red",  "notes": "N/A"  },  "category": 10,  "price": 35000.5,  "hasPromo": **true**,  "discount": 100.0  },  {  "userId": 2,  "idPost": 12,  "date": "2021-05-20T00:00:00.000+00:00",  "detail": {  "productId": 3,  "productName": "Cartas POker",  "type": "Ocio",  "brand": "Ocio",  "color": "Red and black",  "notes": "N/A"  },  "category": 12,  "price": 500.0,  "hasPromo": **true**,  "discount": 200.0  }  ]  } |