**OLX.com**

USER Service

* Can Register
* Can update user profile
* *Can Log-in*
* If user exists or not by userId
* Choose location
* Can change location
* Can search for a product
* Can be interested in a product
  + /interest/{userId}/{productId}
* View all interested product
  + /interest/{userId}
* Can a mark a product as not interested
* Can choose category
* Can purchase a product
* Can add an Advertisement (Post an Ad)
* Can edit an Advertisement (Edit an Ad)
* Can view all personal Advertisements (View all personal Ad)
* Can mark an item sold
* *Can log out*

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| --- | --- | --- | --- | --- |
| Functionality | Service Name | Path | Method | Return Code |
| Create User | user | api/v1/register | POST |  |
| Read user info | user | api/v1/user/{userId} | GET |  |
| Update an user(Info) | user | api/v1/user/{userId} | PUT |  |
| Delete an user(soft delete) | user | api/v1/delete/{userId} | PUT |  |
|  |  |  |  |  |

CATEGORIES Service

* Can be added by the User
* Item Details can be updated by the User
* Can be viewed by the User (Single Item)
* Can be viewed by the User (All items)
* Can be searched using keyword
* Can be searched using location
* Can be deleted by the User (Soft Delete)

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| Functionality | Service Name | Path | Method | Return Code |
| Get an item | items | api/v1/item/{itemId} | GET |  |
| Get all items | items | api/v1/item/all/ | GET |  |
| Get all items (seller) | items | api/v1/item/all/seller/{user\_id} | GET |  |
| Get all items (buyer) | items | api/v1/item/all/buyer/{user\_id} | GET |  |
| Search item | items | api/v1/item/{keyword} | GET |  |
| Update item details | items | api/v1/item/{itemId}/{userId} | PUT |  |
| Delete item (soft delete) | items | api/v1/item/{itemId}/{userId} | PUT |  |

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OFFER Service <link b/w user and item>

* Can be created using userId and itemId
* Can be searched using itemId and userId
* crossOffer can be updated by the seller
* offerPrice can be updated by the buyer
* Interest status can be changed by the buyer or seller

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| --- | --- | --- | --- | --- |
| Functionality | Service Name | Path | Method | Return Code |
| Create an offer | offer | api/v1/create/ | POST |  |
| Get an offer by itemId and userId | offer | api/v1/ | GET |  |
| Update an offer (seller) | offer | api/v1/updateOfferPrice/{itemId}/{userId}/{price} | PUT |  |
| Update cross offer (buyer) | offer | api/v1/updateCrossOffer/{itemId}/{userId}/{price} | PUT |  |
| Update Interest | offer | api/v1/updateInterest/{itemId}/{userId}/answer | PUT |  |

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ADD Service

* An Advertisement can be created by the user

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| Functionality | Service Name | Path | Method | Return Code |
| Create an Advertisement | add | api/v1/create/{itemId}/{userId} | POST |  |

LOCATION Service

* Admin can add location
* get a location
* Admin can update location details
* Get currency of a country
* Get details of a location using PinCode of an area
* Get all states
* Get all cities using state
* Get all neighbourhoods using city

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| --- | --- | --- | --- | --- |
| Functionality | Service Name | Path | Method | Return Code |
| Add a location | location | api/v1/location/ | POST |  |
| Get details of a location | location | api/v1/location/pincode | GET |  |
| Update a location | location | api/v1/location/pincode | PUT |  |
| Get all states | location | api/v1/location/states | GET |  |
| Get all cities | location | api/v1/location/cities/state\_id | GET |  |
| Get all neighbourhoods | location | api/v1/location/neighbourhoods/city\_id | GET |  |
| Get currency | location | api/v1/location/currency/pincode | GET |  |

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CENTRALIZED Service

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| Functionality | Service Name | Path | Method | Return Code |
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|  |  |  |  |  |

**Extra :**

1. Location

/product {object : pro

1. **Products**

/user/{id}/Product/ OBJECT

**User**

/exist/{id}

**Remember**

1. Doc ----> Convention : follow
2. Rest Template
   1. getForObject() + No info send
   2. postForObject() + Object included
   3. getForEntity()
   4. postForEntity()
3. Documentation ---> Swagger Documentation

Olx → Folder [documentation] , Code [], readme,