# CRC cards

## Backend

### Models

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| --- | --- |
| **Product** | |
| Title  Type  Description  Location  SellOrLend  Price  PriceKind  Status  Deliverable  Approved | User  Review |

|  |  |
| --- | --- |
| **User** | |
| Username  EMail  Last Name  First Name  Password  Gender  Country  City  ZIP Code  Phone Nr  isAdmin | Product  Review |

|  |  |
| --- | --- |
| **Review** | |
| Review  Reviewer  Product | User  Product |

|  |  |
| --- | --- |
| ***LoginResponse*** *(interface)* | |
| User  Token  Message | User |

|  |  |
| --- | --- |
| ***LoginRequest*** *(interface)* | |
| UserNameOrEmail  password | User |

### Services

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| **ProductService** | |
| Create a Product  Update a Product’s information  Delete a Product  get all Product of User  get all approved Products  get all unapproved Products | User  Product |

|  |  |
| --- | --- |
| **ReviewService** | |
| Create a Review  Update a Review  Delete a Review | User  Review |

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| --- | --- |
| **UserService** | |
| Register a User  Update the User’s information  Delete the User  get all Users | User |

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| --- | --- |
| **AdminService** *has a superclass UserService* | |
| Delete all kind of Accounts  Approving Products | UserService  User |

## Backlog

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| **ShoppingCart** | |
| Store goods  Remove/Add goods  goods statistics (Total Price / Total amount of elements)  Move to Till  Belongs to User | SellableGood  Till |

|  |  |
| --- | --- |
| **Till** | |
| Create Transaction between Seller and          various ShopKeepers  Record Transaction Ledgers  Distribute Transaction Ledgers among           participating parties | User  ShoppingCart |

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| --- | --- |
| **MarketPlace** | |
| Displays Products  Store Products  Store Users  Provide Filters | Filter |

|  |  |
| --- | --- |
| **Review** | |
| Review  Reviewer | Product  User |

|  |  |
| --- | --- |
| **ReviewService** | |
| Write a Review from a User to a Product  Remove a Review from User / Admin of a Product  Show Reviews of a Product | Product  Review  User |

|  |  |
| --- | --- |
| **Picture** | |
| Picture | Product  User |

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| --- | --- |
| **PictureService** | |
| Add a Picture to a Product  Remove a Picture from a Product  get all Pictures from a Product | Product  Picture  User |

|  |  |
| --- | --- |
| **Ledger** | |
| Store Ledger Entries  Manage Ledgers | SellableGood  User |