**DATA DICTIONARY**

**GROUP 28**

**ID1 201501123**

**ID2 201501128**

1. **USER =** FirstName + LastName + userID + Address + Rating + Contact +

(Email-D) + Location **.**

* Rating = [“1” | “2” | “3” | “4” | “5”].
* Login() **:**  Login is a method by which user logins into the system.
* signUp() **:**  When a new user is arrived, he has to sign up and create his

account.

* updateDetails() **:** This method is used to update the details afterwards (if

required).

* forgotPassword() **:** This is the method by which user can retrieve his

account if he forgets his password.

* changePassword() **:** This method ussd used to change the password.
* deleteAccount() **:** User can delete his account if he wants so.

1. **OWNER** = userID + Rating + Affidavit + InventoryType+ InventoryList +

Location.

* InventoryType = [“Household items” | ”machinery” | “house” | “car” |

“Instruments” | “books”]

* InventoryList = [products] \*products list to be put on hire\*
* Rating = [“1” | “2” | “3” | “4” | “5”]
* Location = address + city + zip-code
* makeAffidavit() **:** This method is used to make the legal document when the

deal is finalised.

* setDurationForHire() **:** This method is used to set the time period for which

the item is available.

* setRating()**:** Method used to give rating to a customer after the tenure is

over.

* upload() **:** Method used to upload the images and affidavit of the product to

be given on rent.

* updateInventoryList() **:** Method used to update(add/delete) the list of items

that are available for rent.

1. **Hirer** = UserID + Rating + Affidavit + Required Products

* Required Products = [products] \*products hired”
* Rating = [“1” | “2” | “3” | “4” | “5”]
* makeAffidavit() **:** This method is used to make the legal document when

the deal is finalised.

* getDurationOfHire()**:** This method is used to set the time period for which

the item is available.

* setRating() **:** Method used to give rating to a owner and item after the

tenure is over.

* upload() **:** Method used to upload the affidavit when the deal is finalised.
* setRequiredProducts() **:** Method used to update(add/delete) the list of items

that a particular user needs for rent.

1. **Bank Account =** Account number + Amount + Bank name + Branch Code

* checkAmount() **:** returns the current amount in the bank account of

provided account number,bank name and branch code.

* printReceipt() **:** prints the receipt of given transaction ID.

1. **Product =** Price + insurance + typeOfProduct + availability + rating +

durationOfHire

* Insurance = [“yes” | “no”]
* typeOfProduct = [“Household items” | ”machinery” | “house” | “car” |

“Instruments” | “books”]

* Availability = [“yes” | “no”]
* Rating = [“1” | “2” | “3” | “4” | “5”]
* durationOfHire \*denotes the duration for which the product is hired\*
* updatePrice() : Updates the price of the particular product.
* uploadPhoto() : Uploads photos of the product.
* setAvailability() : If availability is not already set to “yes”, this operation

takes as argument an object of the Product class and

returns an object of the same class, with the availability

attribute set to “Yes”. If availability is already set to “yes”,

the operation returns the error message ”Availability

already set to “Yes””.

* ​getDurationOfHire() : returns the duration for which the product is hired.

1. **Technician** = WorkSpecialization.

* Work Specialization = [“Plumber” | “Electrician” | “Mechanic” | “Fabricator”]
* addSkillset() **:** Technician adds his work specialization so that he is

contacted only when required.

* setAvailability() **:** Technician sets the time period when he is available.
* getPayment() **:** Technician gets the payment when his work is done either

by any one of the mode (cash/online transaction).

1. **Location =** Address.

* updateLocation() **:** Method used to update the location of the product in

case the product is hired or the owner changes his

residence.

* setLocation() **:** This method is used to set the location of the user / product

when the new user is registered or some new product is put

on rent.

1. **Chat - Application =** Chat Room + Status.

sendMessage() **:** This method is used to send message to another user.

setStatus() **:** Method used to set whether the user is present online or not.

1. **Payment =** Mode + Bank Account + Amount + status + transaction ID +

Transaction

* Transaction = { deposit | withdrawal | credit}
* Mode = { cash | check | money-order | charge-card }
* Bank Account \*contains details of the bank account between which

Transaction is done\*

* Amount \*Amount that is being deposited or credited.\*
* Status = [“Successful” | “Unsuccessful”]
* deposit() : this operation takes three arguments. Two arguments are of the

Bank Account class,namely depositor and recipient, and the third

argument is attribute amount. The amount is debited from the

depositor’s account and credited into the recipient’s bank account.

If the amount specified is more than the current amount in the

depositor’s bank account then, it returns an error message “You

do not have enough money to make the transaction” and returns

an object of payment with status set to “Unsuccessful”.

* getStatus() : return the value of the attribute status.