**Print Transactions Use Case**

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| Action Performed by the Actor | Responses from the system |
| 1. The clerk issues a request to get member transactions. |  |
|  | 1. The system asks for the user ID of the member and the 2 dates (beginning and ending) for which the transactions are in of the user. |
| 1. The clerk enters the identity of the user and the 2 date (beginning and ending). |  |
|  | 1. If the ID is valid, then check date format for 2 date and also check beginning date must be before ending date. If all correct. the system outputs information about all transactions completed by the user on the given between 2 date. For each transaction, it shows the information of transaction like product name, price, total price and items. |
| 1. Clerk prints out the transactions and hands them to the user. |  |

Conceptual Class Diagram: Transaction

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| *Transactions* |
| date  purchaseTotal  groceryItems |

Physical Class Diagrams: Transaction

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| *Transactions* |
| -date: Calendar  +purchaseTotal: double  +groceryItems: List<LineItem> |
| +onDate(date:Calendar): boolean  +betweenDates(Calendar beginDate, Calendar endDate): boolean  +buildReceipt(): String  +addItem(Prodect itemForPurchase, int purchaseAmount):String |

Sequence Diagrams: Transaction

