Nouns & Verbs Analysis

|  |  |
| --- | --- |
| Customer | |
| Nouns | Verbs |
| Name | Their |
| Address | Current |
| Account Number | Any |
| Balance | Other |
| List | Offered |
| Transactions | Through |
| Loans | The |
| Credit Card | Each |
| Mortgage |  |
| Financial Services |  |
| Bank |  |
| Customer |  |
| System |  |

|  |  |
| --- | --- |
| System - Super | |
| Nouns | Verbs |
| List | View |
| Balance | Their |
| Details | Most |
| Appointment | Recent |
| Branch | Current |
| Calendar | Personal |
| Date | Request |
| Customers | An |
| Branch | Local |
| Manager | For |
| Application | Upcoming |
| Employee | Past |
| Name | Whom |
|  | Add |
|  | Remove |
|  | Outcome |
|  | And |
|  | Refer |
|  | Processing |
|  | Change |

|  |  |
| --- | --- |
| Employee | |
| Nouns | Verbs |
| Name | Working |
| Address | Whom |
| Hours | Specialise |
| List | They |
| Customer | In |
| Date | New |
| Day |  |
| Details |  |
| Appointments |  |
| Financial Services |  |
| Accounts |  |
| Overdraft |  |
| Loans |  |
| Credit Card |  |

|  |  |
| --- | --- |
| Manager | |
| Nouns | Verbs |
| List | Current |
| Employee | View |
| Appointment | Overview |
| Customer | Held |
| Accounts | Outstanding |
| Branch | Add |
| Applications | Remove |
| System | From |
| Calender | Process |
|  | And |
|  | Accept |
|  | Decline |
|  | As |
|  | Necessary |

|  |  |  |  |
| --- | --- | --- | --- |
| Nouns | | Verbs | |
| Duplication of Data | Non-Duplication | Duplication | Non-Duplication |
| Name | Account Number | View | Request |
| Address | Transactions | Add | Change |
| List |  | Remove |  |
| Customer |  | Current |  |
| Employee |  | New |  |
| Date, Time & Day |  |  |  |
| Appointments |  |  |  |
| Accounts |  |  |  |
| Menu |  |  |  |

Bad Classes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Vague | Attribute | Implementation | Redundant | Irrelevant |
| System | Accounts | Logging | Branch | Local |
| Credit Cards | Credit Cards | Current |  | Specialise |
| List | Mortgage | Working |  | Whom |
| Applications | Loans | Upcoming |  | Past |
| Outstanding | Hours | Outcome |  | Personal |
| Overview | Calendar | Transactions |  | Local |
| Financial Services |  | Request |  |  |
| Record |  | Processing |  |  |
|  |  | System |  |  |

Data for Classes

|  |  |  |
| --- | --- | --- |
| Customer | Manager | Employee |
| Name | List | Name |
| Address | Employee | Address |
| Account Number | Appointment | Employee |
| Transactions | Customer | Hours |
|  | Accounts | List |
|  | Calendar | Customer |
|  |  | Date |
|  |  | Time |
|  |  | Day |
|  |  | Appointments |

Assumptions

* Two login details for the Customer and Employee
* A login screen
* Two menus for customer and bank

Considerations

* Whether to embed details which can be called or use a “database – text file to access the data”.
* Use an ArrayList to add, change, remove, view details.

Final Possible Classes

|  |
| --- |
| Class |
| Account |
| Bank |
| Customer |
| Manager |
| Employee |

Possible Design of System:

Login Screen

Customer

Employee

Manager

Bank System