**Bank System(for Kids)**

**Introduction**: The idea of ‘Bank’ Software is to bring awareness in kids about Banks and to make the kids recognize basic bank operations. It has all the basic functionalities related to a bank and an account. The main features are described below to assist and demonstration of the software diagram, flow and complete process cycle,

**WHAT TO DO? And WHERE TO MOVE FIRST? :** In order to define complete layout cycle, the demonstration is defined diagrammatically. So the first attempt of customer is to understand the flow of the software to be well-managed as well as to get optimized performances, including the followings.

1. **HBL Layout At Kid’s Dunya**
2. **Hardware Attached with System**
3. **Work Flow Of The Software**
4. **Fields List Fetched By User Account**
5. **User Roles In The System**
6. **Modules**

## Layout At Kids Dunya:

## Hardwares Attached with System:

* Five Monitors
* Five PCs
* Five Mouses
* Five Keyboard
* Three Thermal Printers
* One Laser Printer(For A4 printing)
* Five NFC Readers
* KIOS Machines

## Work Flow Of The Software:

The flow of the software is workable with all hardware and software implementation. When a kid along with his group is entered in the ‘Kid’s Dunya’, the flow is started with the following number of steps:

1. **User Registration:**  First attempt of a KID is to register his group at KIOS. Here!, the group is assigned by a reference code which is identical for that group.



1. **Counter Wait:**  After a group is registered, transaction is allowed, but after his waiting time. At this step the group has to wait for his turn. When the counter displayed the Group basic information like reference code along with the group name, the group will move ahead to perform transaction. 
2. **Transaction:** As a group is registered, now transaction is allowed to be for that registered group by a cashier at POS. 
3. **NFC Band Assigning:**  

At the mean while when a group received the NFC Bands, then one of the group’s kid is enabled to possess a bank account.

Here the process undergoes into two strategies, one is that the group’s kid has already a bank account and second is that the group’s kid haven’t any bank account.

If there the group is a bank account holder, it means it is ready to enter in activity area along with their NFC bands. On the other hand, the group’s kid will move ahead to achieve a bank account.

1. **Open A Bank Account:**

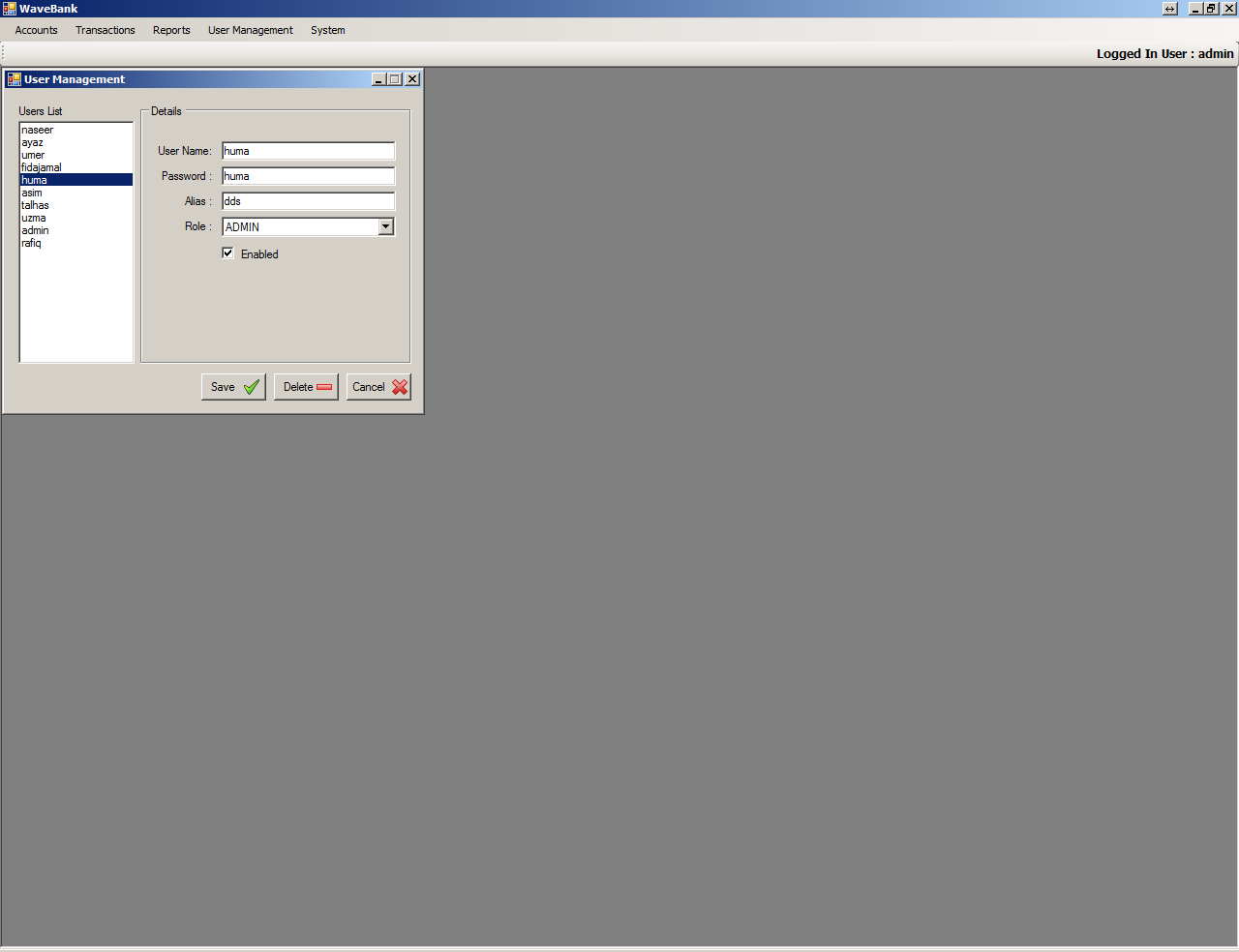
To open a bank account one of the group kid will enter in ‘Bank System’, along with his NFC Band. The kid will move ahead to the portal where, as the kid punches his band over an NFC Reader, as he will have a bank account. 

1. **Process Flow Completion:** Finally after the possession of a bank account, the group is ready to completely move ahead into ‘Kid Dunya’ world.

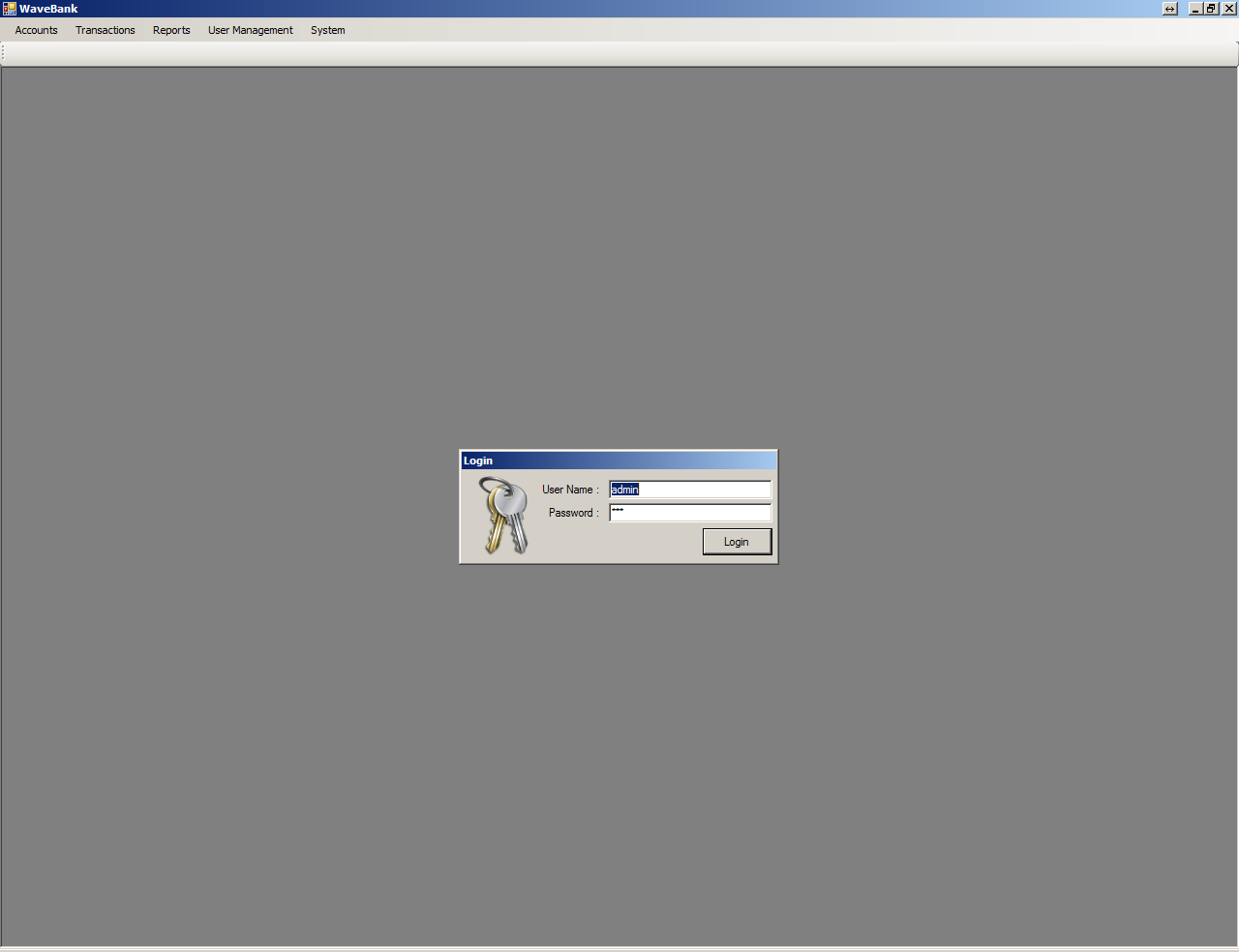
## Fields List Fetched By User Account:

* First Name
* Last Name
* Guardian Name
* Mobile Number
* Email Address
* House Address
* School Name

## User Roles In The System:

The software is allowed for the specific assigned roles for the users. Each role has different capability to implement the software. The categories of users with their specific roles are below:

* **Administrator:** The user with role ‘Administrator’ in the software is capable to perform specific task as assigned by role. In this role user can only create user.
* **Manager:** The user with role ‘Manager’ in the software is capable to perform specific task as assigned by role. In this role user can perform majority of operations like account creation, deposit, withdrawal, and check/inquiry the balance.
* **Teller:** The user with role ‘Teller in the software is capable to perform specific task as assigned by role. In this role user can only deposit, withdrawal, and check/inquiry the balance.
* **Statement Reporter:** The user with role ‘Statement Reporter’ in the software is capable to perform specific task as assigned by role. In this role user can only create reports.



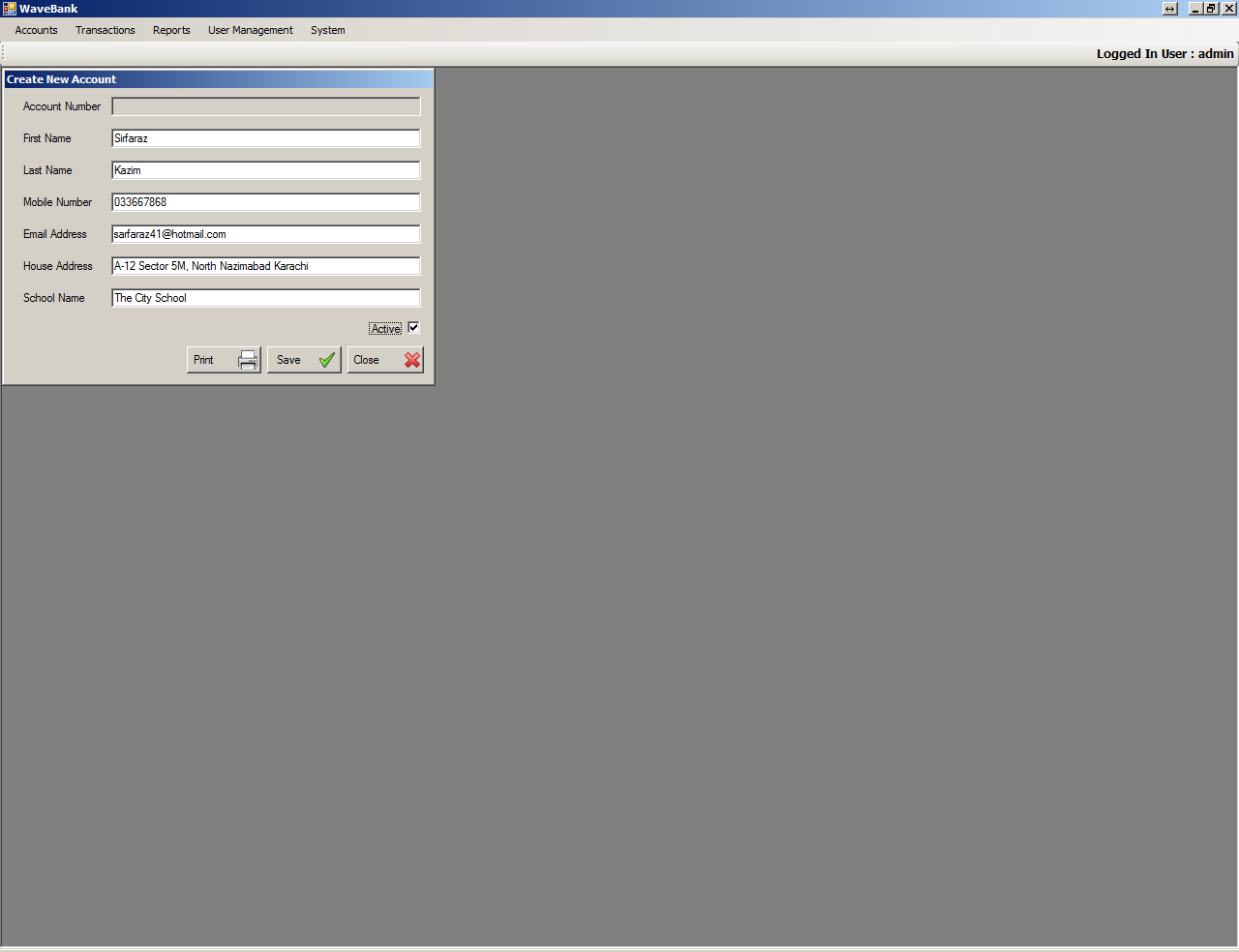
## Modules:

Following are the basic modules of the bank system:

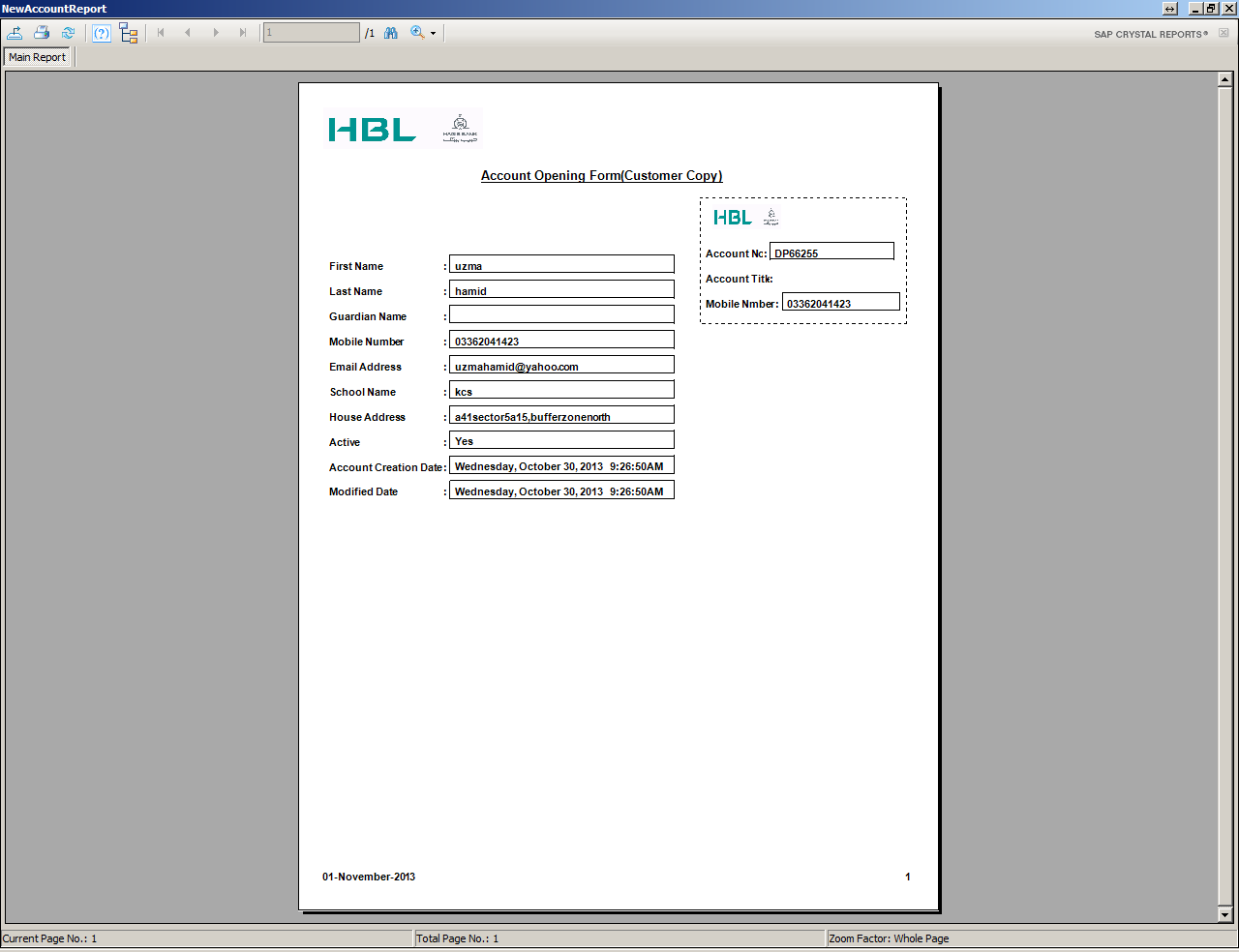
1. Account Creation
   1. Account Opening/Closing
   2. Account Lookup
2. Transaction
   1. Deposit
   2. Withdrawal
   3. Balance Inquiry
3. Reports
   1. Account Creation/Information Report
   2. Statement Report
   3. Balance Inquiry Report
   4. Specific Account Report

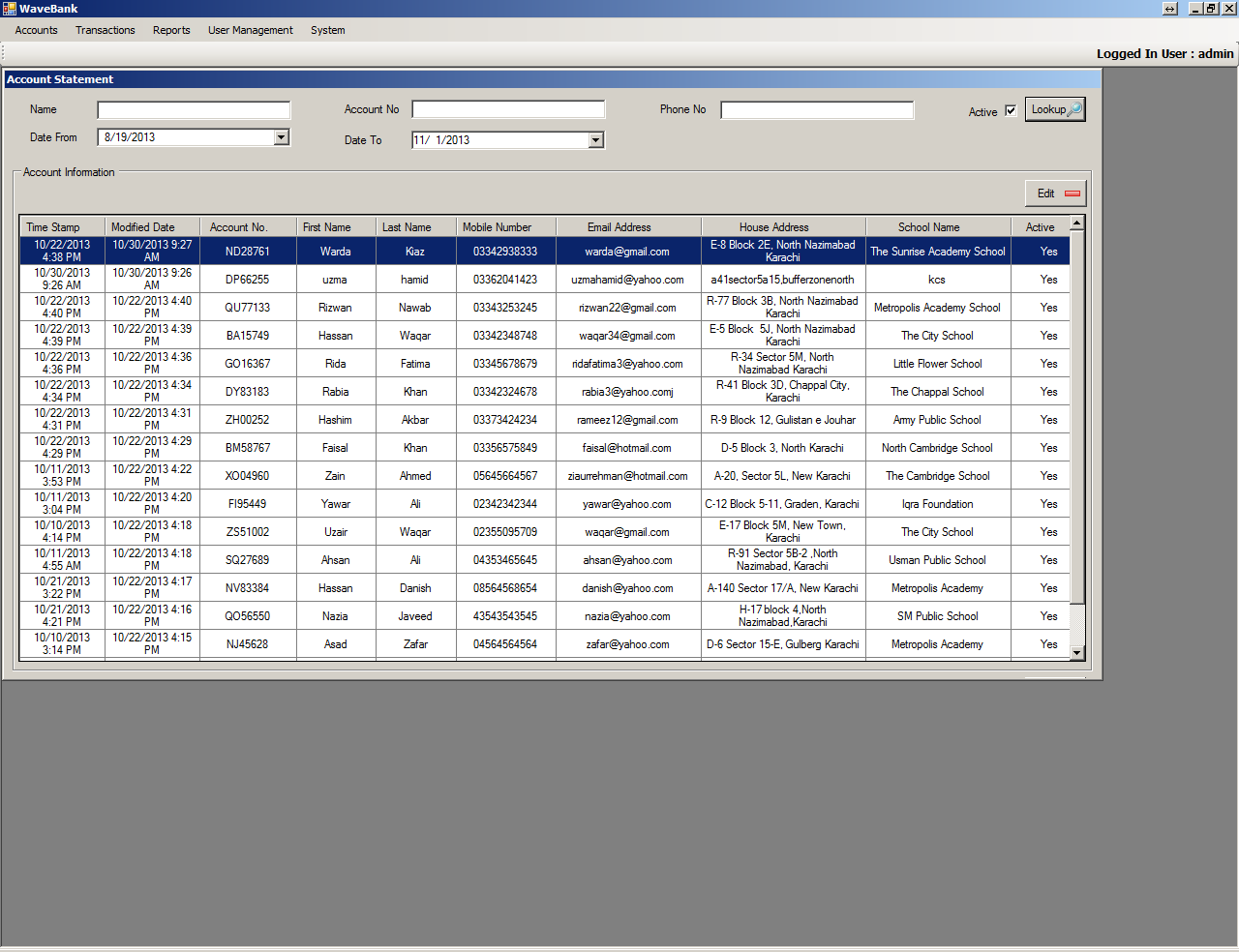
**ACCOUNT CREATION**

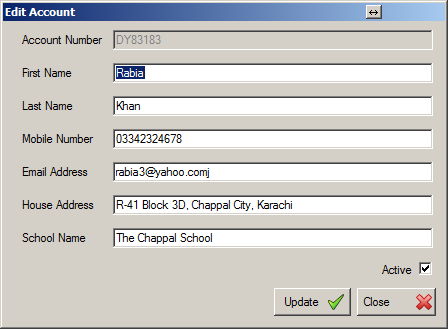
The software ‘Bank System’ makes very simple User Interface for our customers to manage account, including account creation, modification, and account lookup using variety of filters like Name, Account No. , Contact Number, and their Account Status.

1. **Account Opening/Closing:** Using the software ‘Bank System’ our customer is facilitated with simple and reliable interface to open new account or to close an existing account. 

In this interface account is closed when the status check named “Active ” is marked selected, in other case account is not considerable to make any transaction.

The interface not only open/close an account but also display the newly created account report. In order to get this report user will simply press the print button. 

1. **Account Lookup:** The software ‘Bank System’ also facilitates our customer to search an account’s details, to edit an account’s details, to show specific account report and also to display multiple accounts report using variety of filters like Name, Account No., Phone Number, and their Account Status. 

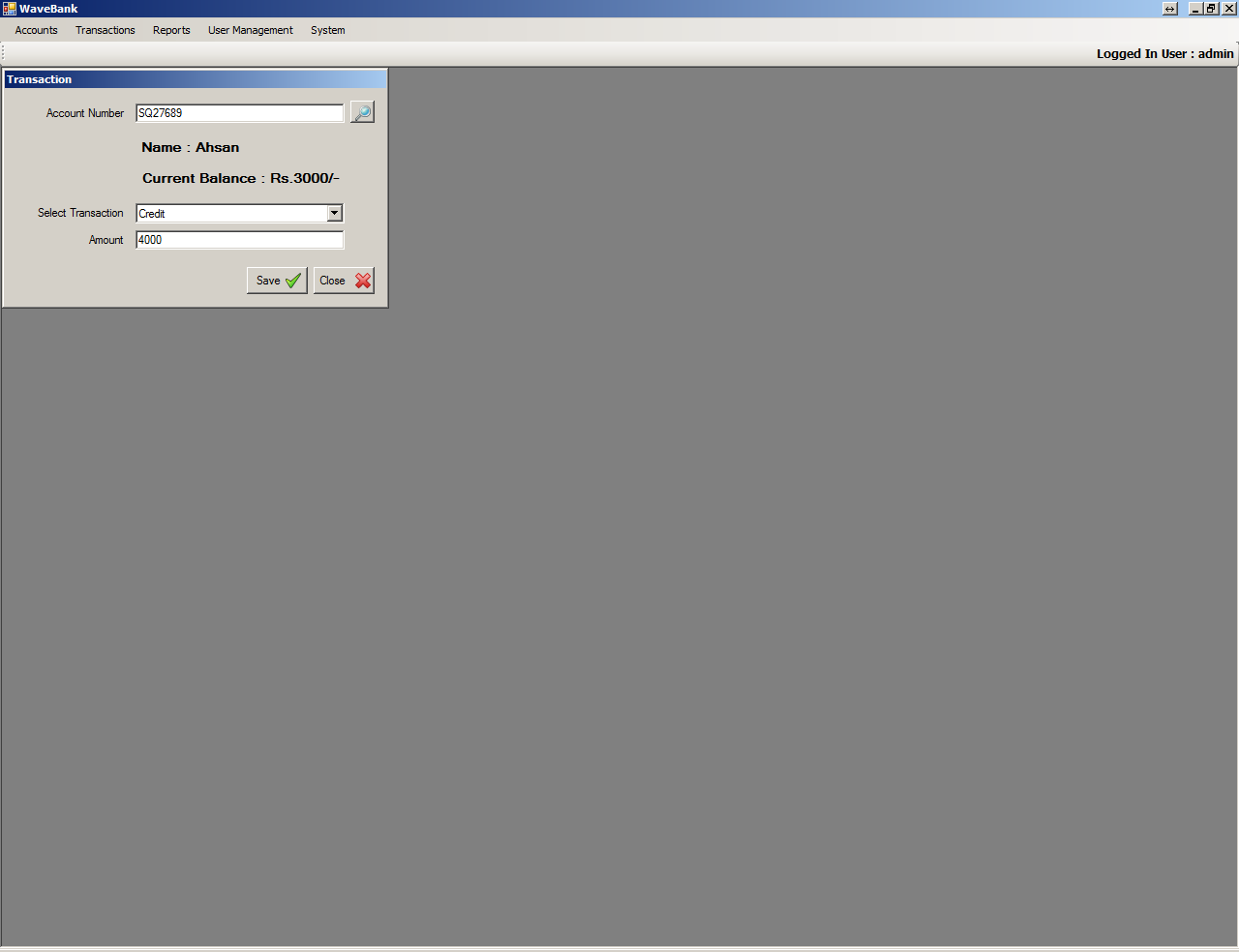
As interface also includes to update an existing account. 

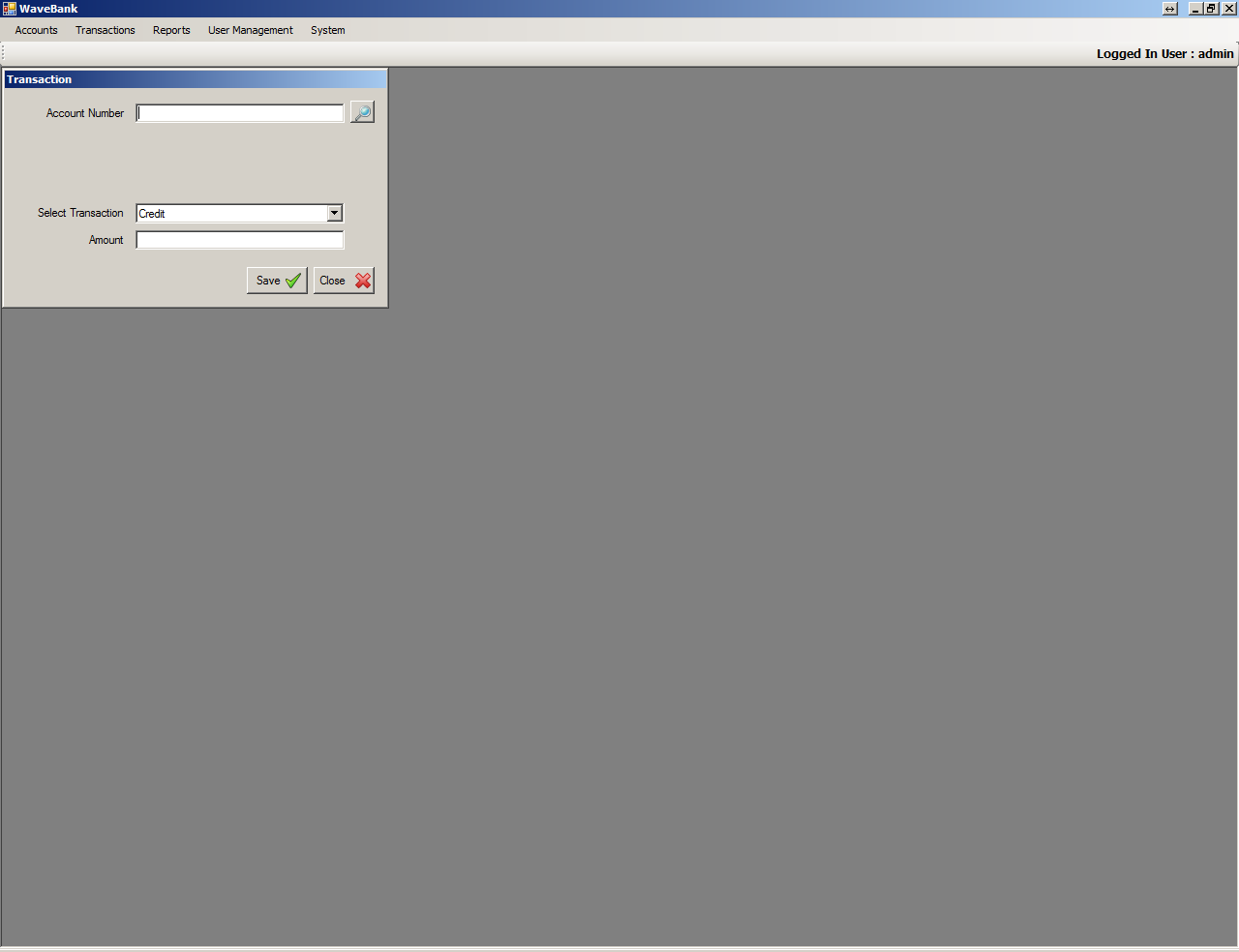
**TRANSACTION**

The software ‘Bank System’ also facilitates our customer to perform reliable and complete transaction along with searching criteria. This interface also displays the basic information regarding to transaction. The software ‘Bank System’ facilitates our customer to lookup specific account’s details using simple and convenient filters. The interface also includes the basic information of an account’s transactions.

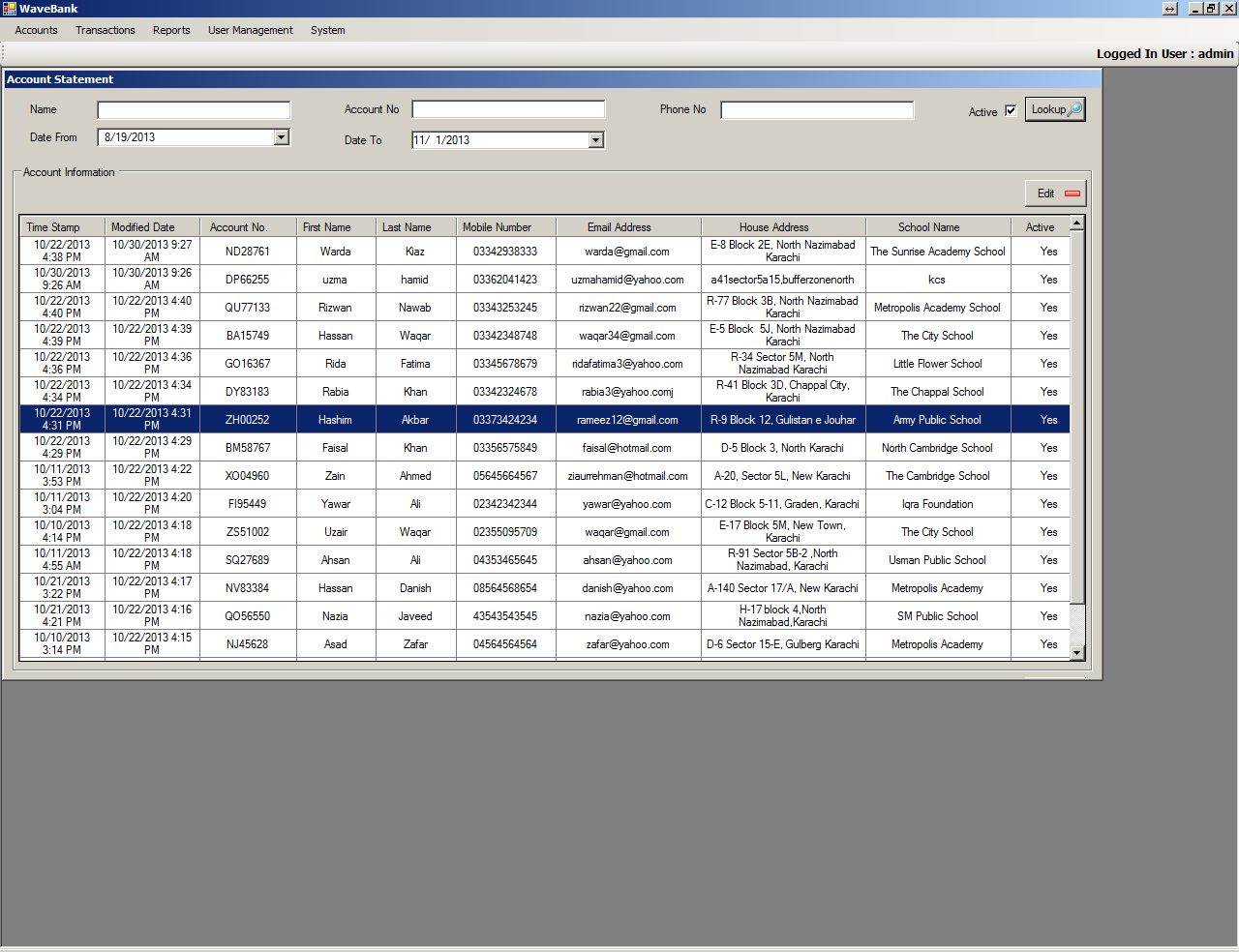
Basically this modules include two:

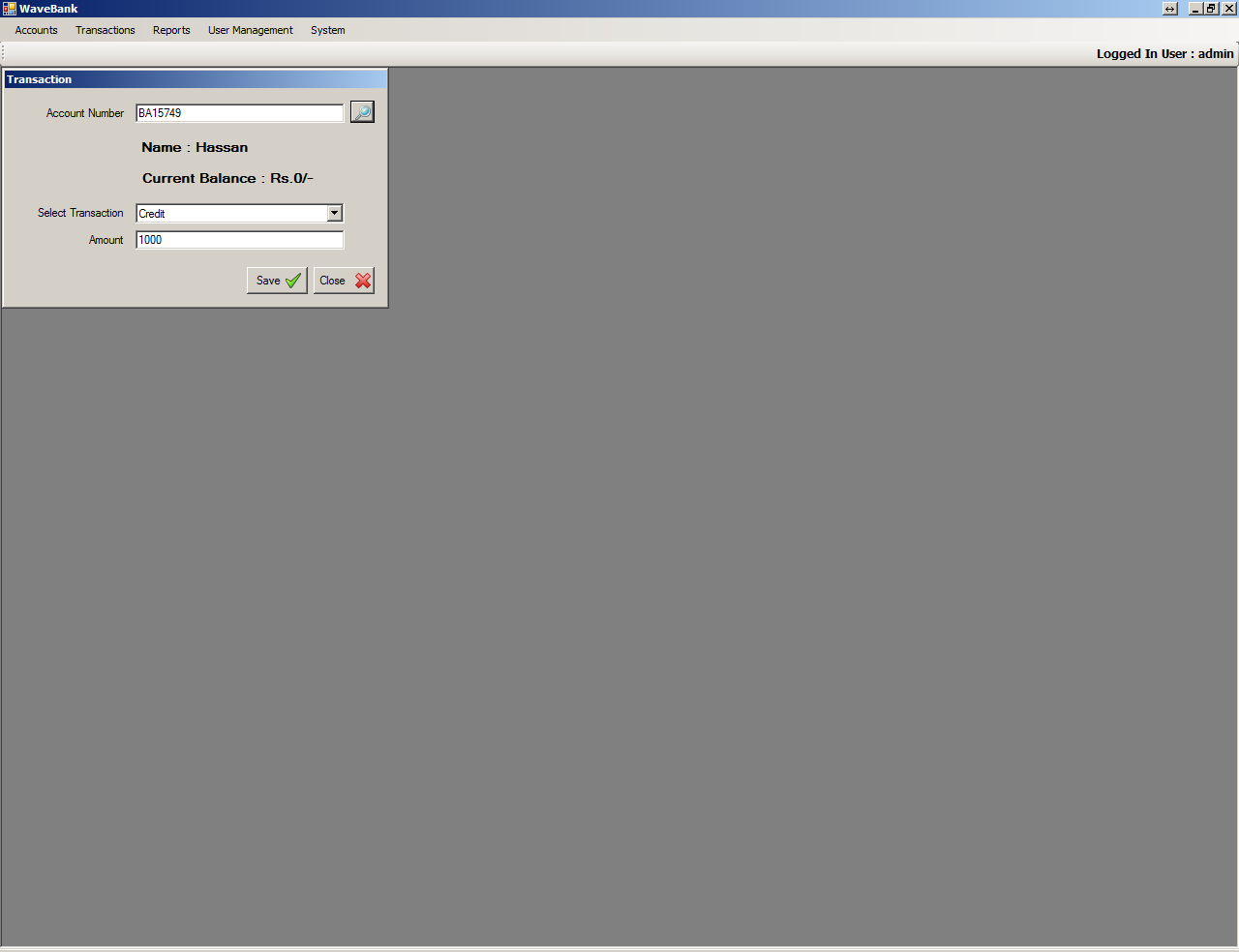
1. Transaction(Deposit/Withdrawal)
2. Balance Inquiry
3. **Transaction (Deposit/Withdrawal)**: In this interface user has two options based on kid’s account number to operate over lookup button. Simply if the customer has information of the kid’s account number then user will simply enter the information.



If the customer is unable to have kid’s account number with him, he will simple press lookup button without entering any information in the interface. 

In this attempt user will get the new interface to search the acount number with the help of multiple /single filters. For the user here is a main point is to remember is that he must filter the active account numbers to make possible further transaction process.

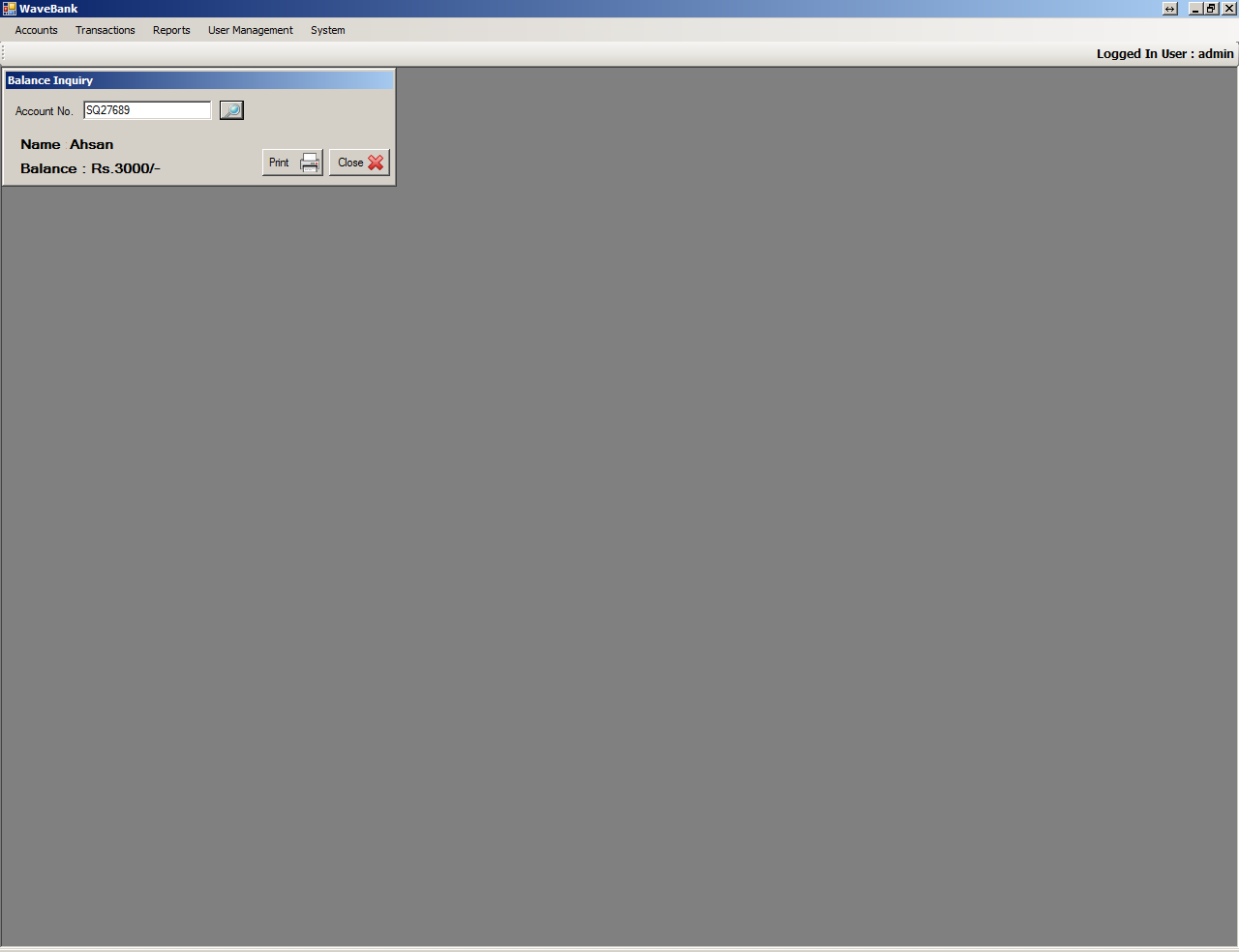


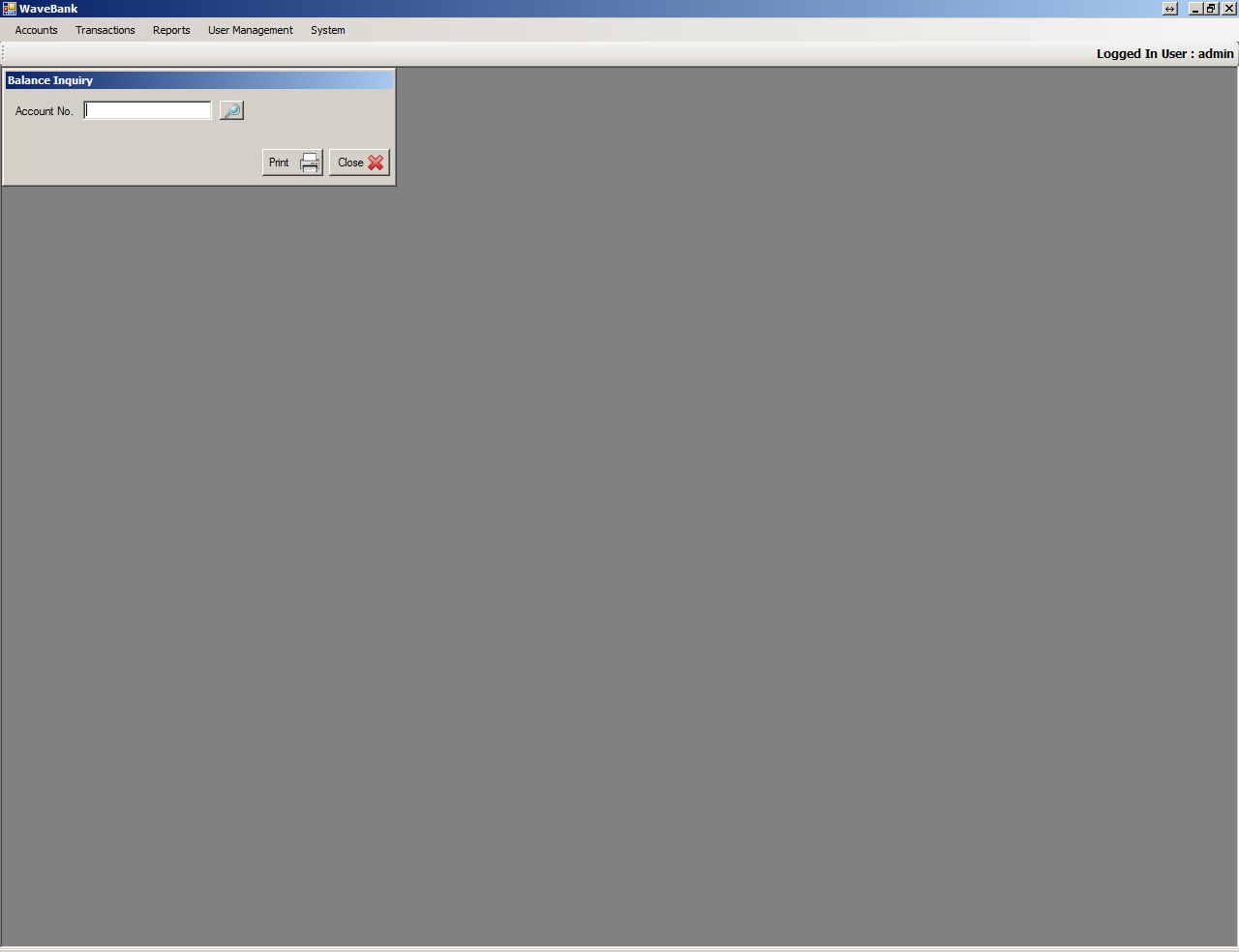
At this point, user has complete option to get the account number of the required kid. Simply user will use filters to display information and then he will make two times a mouse click at any specific row to get back the account number in the previous interface.As shown below, 

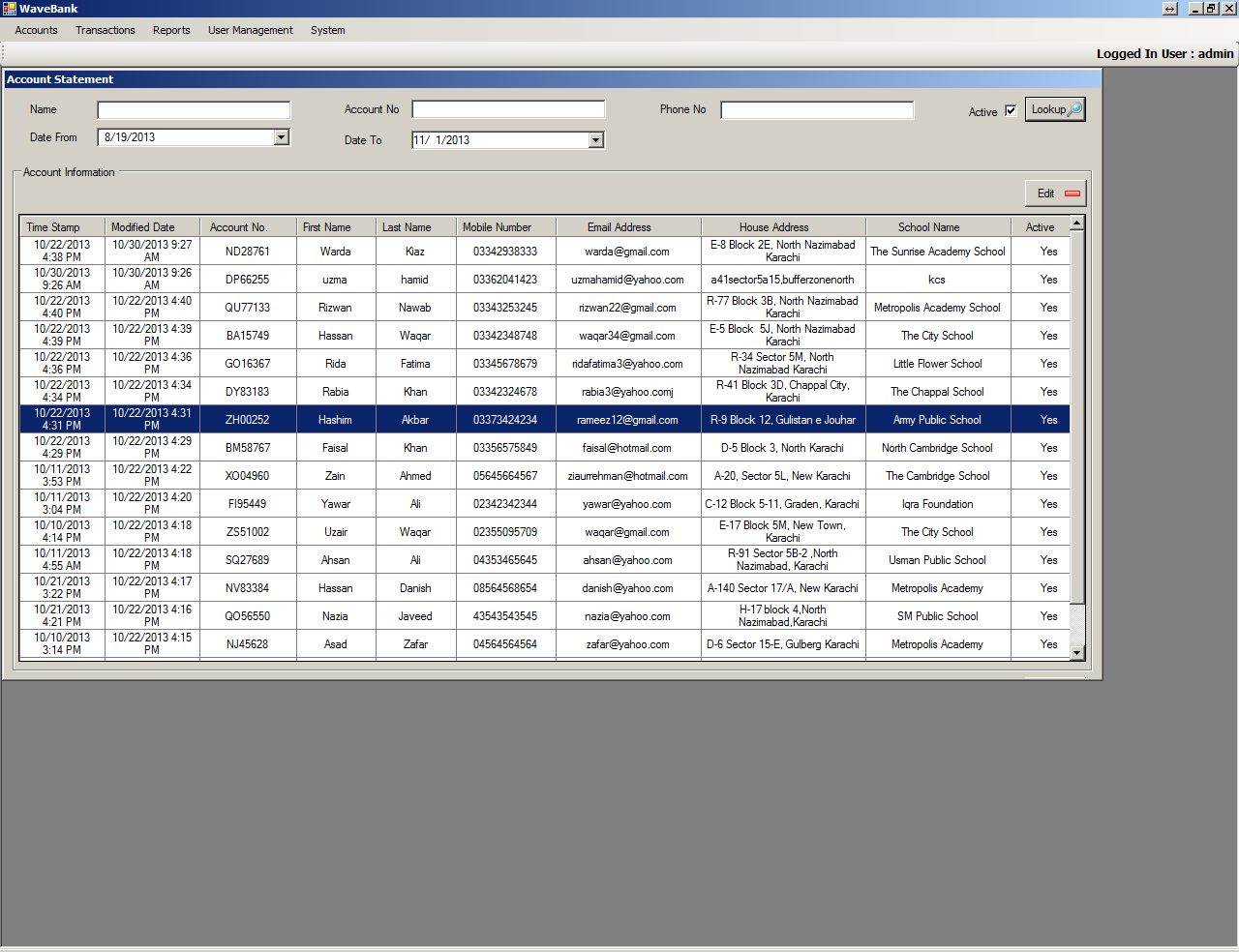
In this way the user would further process for deposit/withdrawal along with current balance.

1. **Balance Inquiry**: Initially this interface also works as the previous one Transaction interface works user. i.e.,

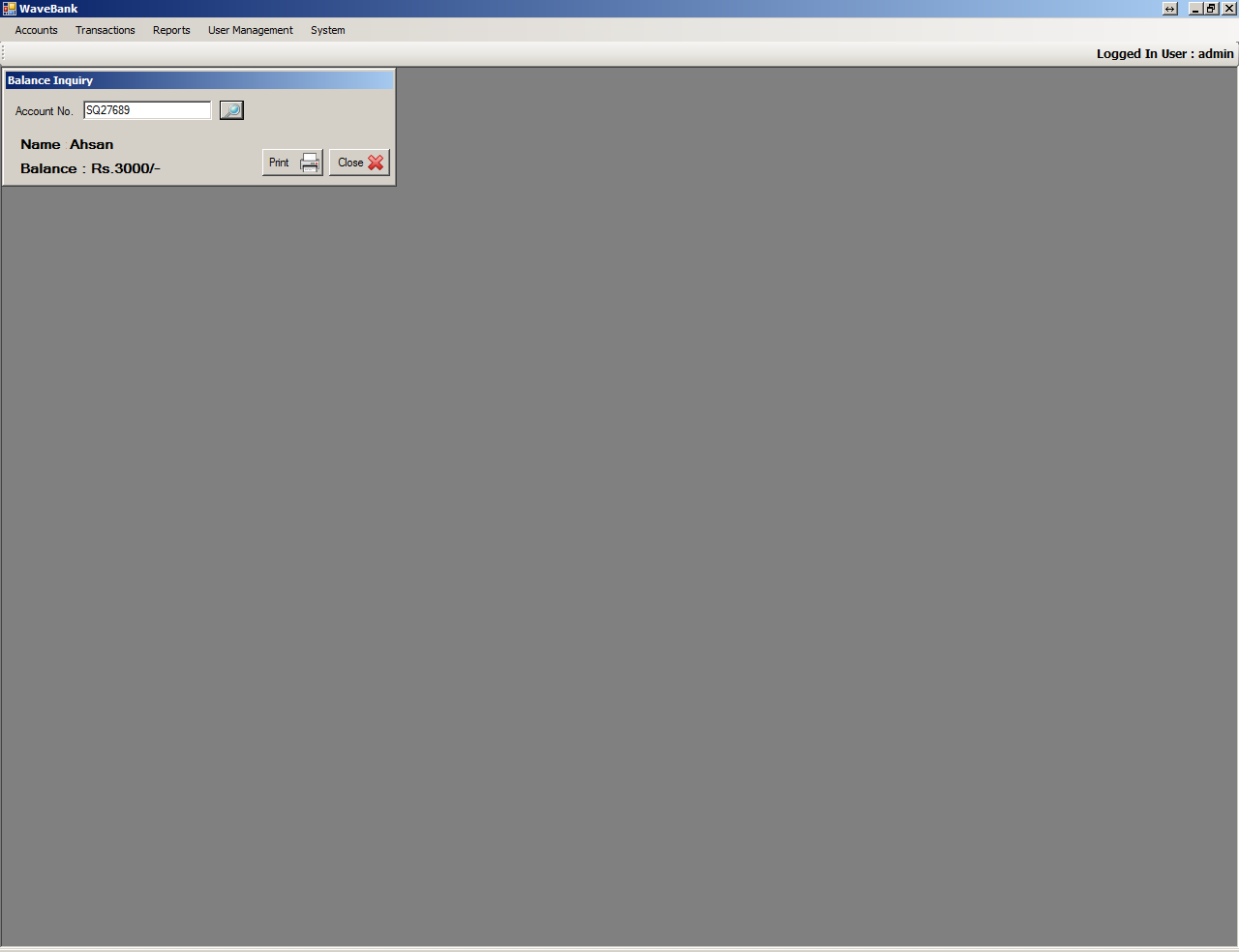
It also has two options based on kid’s account number to operate over lookup button. Simply if the customer has information of the kid’s account number then customer will simply enter the information.

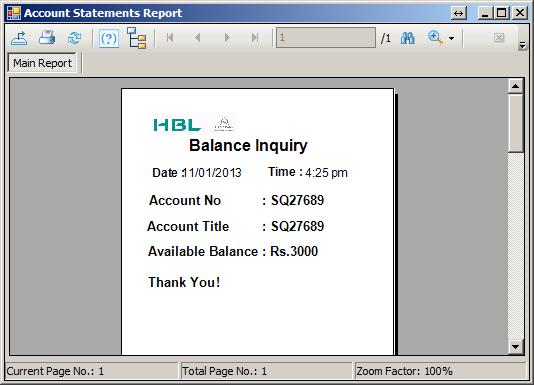


If the customer is unable to have kid’s account number with him, he will simple press lookup button without entering any information in the interface. 

In this attempt user will get the new interface to search the acount number with the help of multiple /single filters. For the user here is a main point is to remember is that he must filter the active account numbers to make possible further transaction process. 

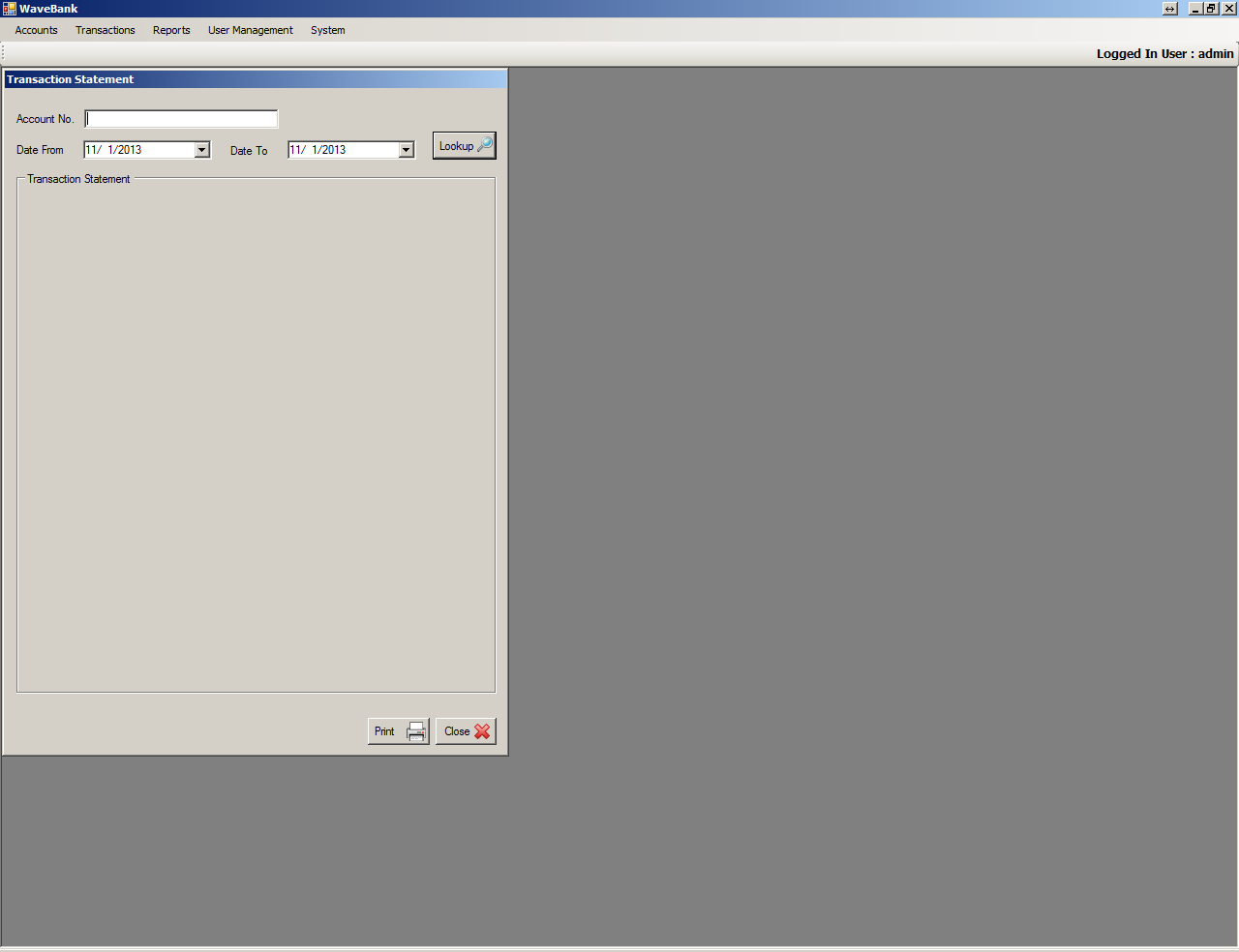
At this point, user has complete option to get the account number of the required kid. Simply user will use filters to display information and then he will make two times a mouse click at any specific row to get back the account number in the previous interface.As shown below,



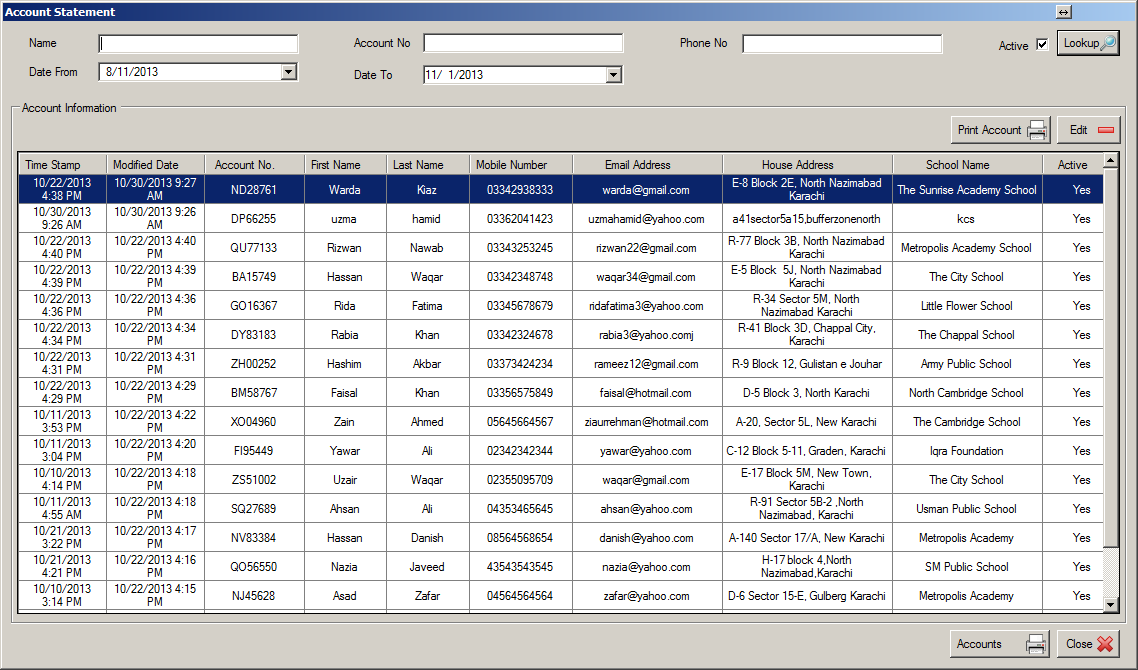
Finally in order to get the balance inquiry report ,user will press the print button. 

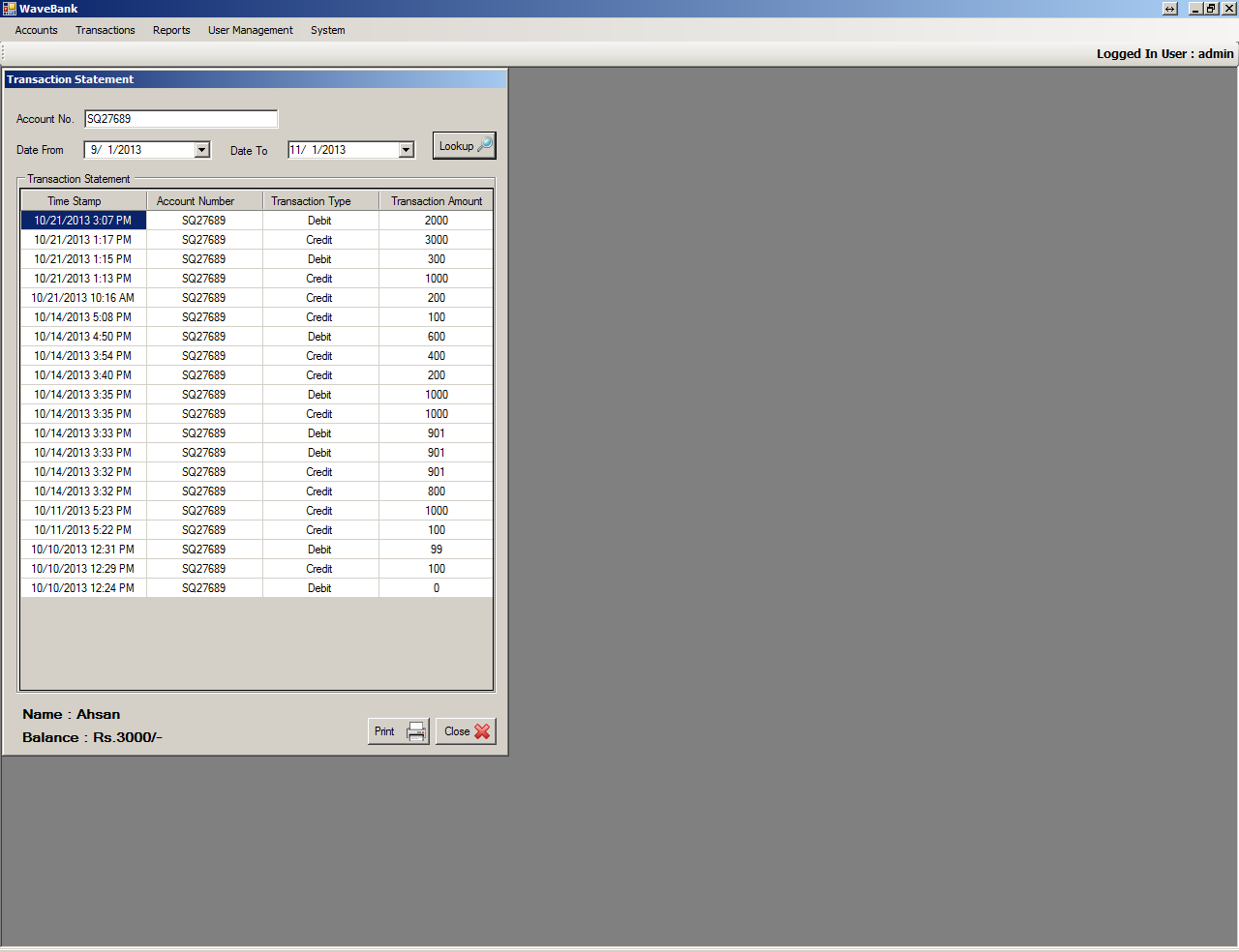
**Statements**

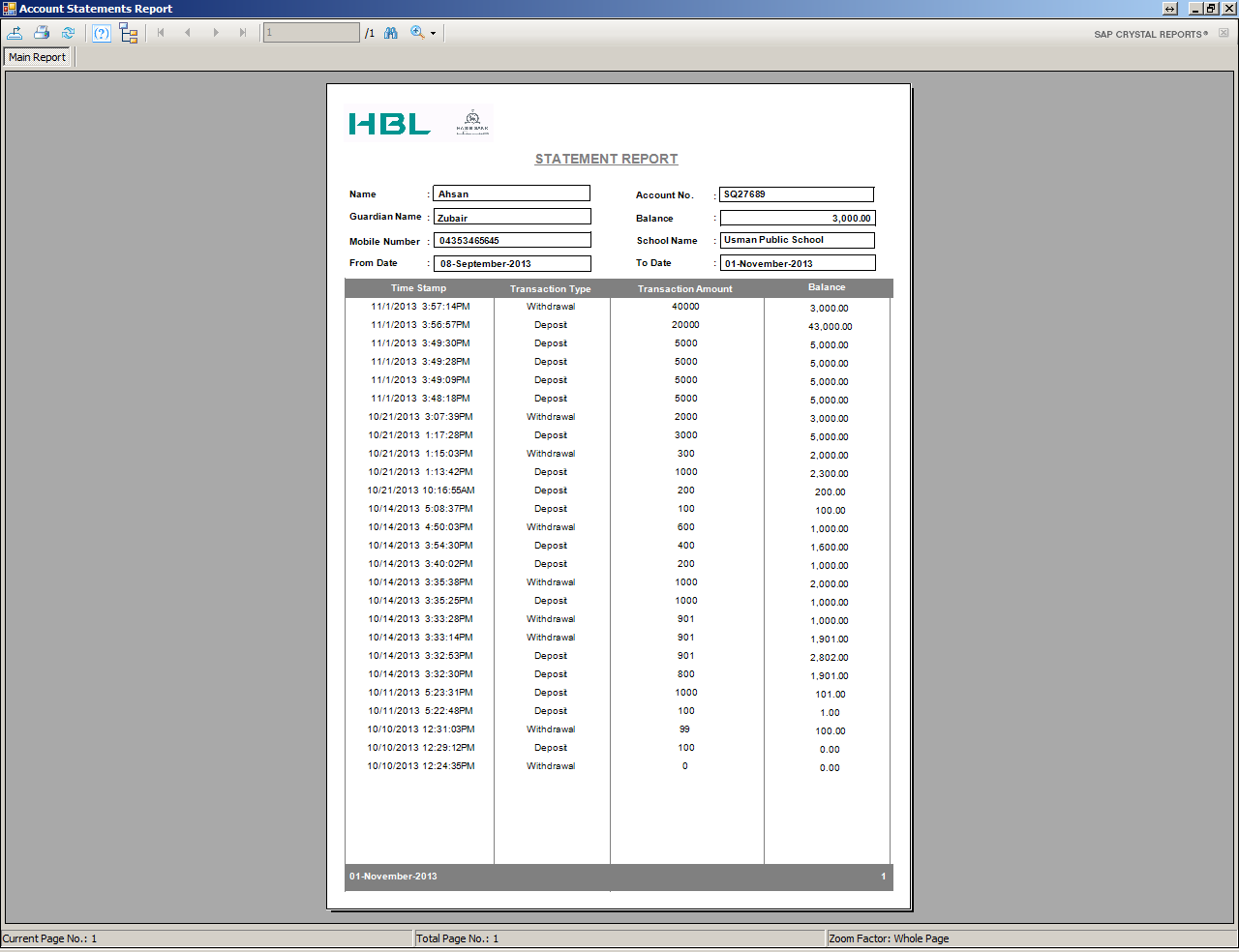
The software ‘Bank System’ also provides our customer to perform reliable and complete transaction and statement solution along with searching criteria. Providing convenient interfaces, it covers all possible reports for the ‘Bank System’ solution.

**Account Statements:** In this interface user has two options based on kid’s account number to operate over lookup button. Simply if the customer has information of the kid’s account number then customer will simply enter the information. 

If the customer is unable to have kid’s account number with him, he will simple press lookup button without entering any information in the interface.

In this attempt user will get the new interface to search the acount number with the help of multiple /single filters. For the user here is a main point is to remember is that he must filter the active account numbers to make possible further transaction process.

At this point, user has complete option to get the account number of the required kid. Simply user will use filters to display information and then he will make two times a mouse click at any specific row to get back the account number in the previous interface.As shown below, 

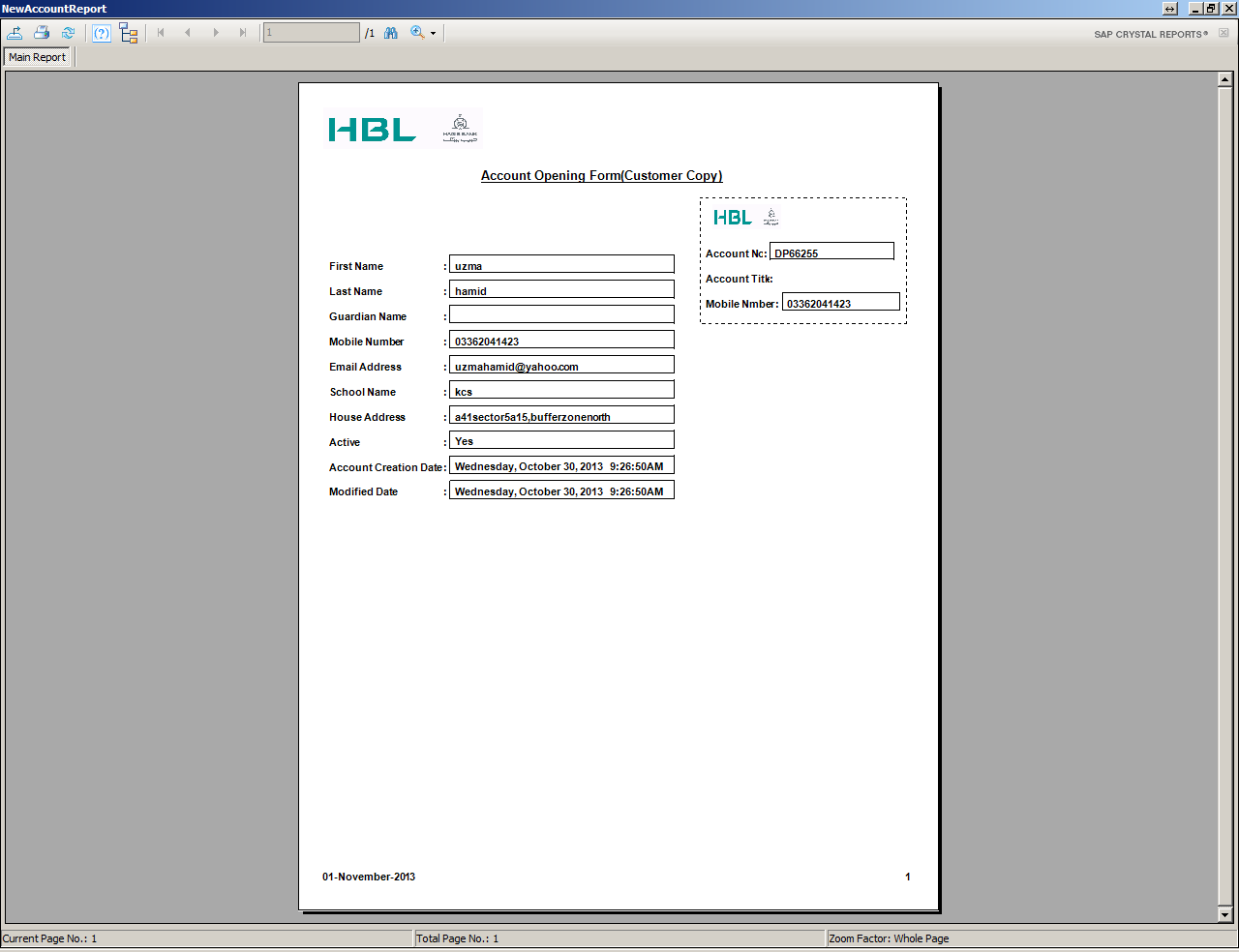
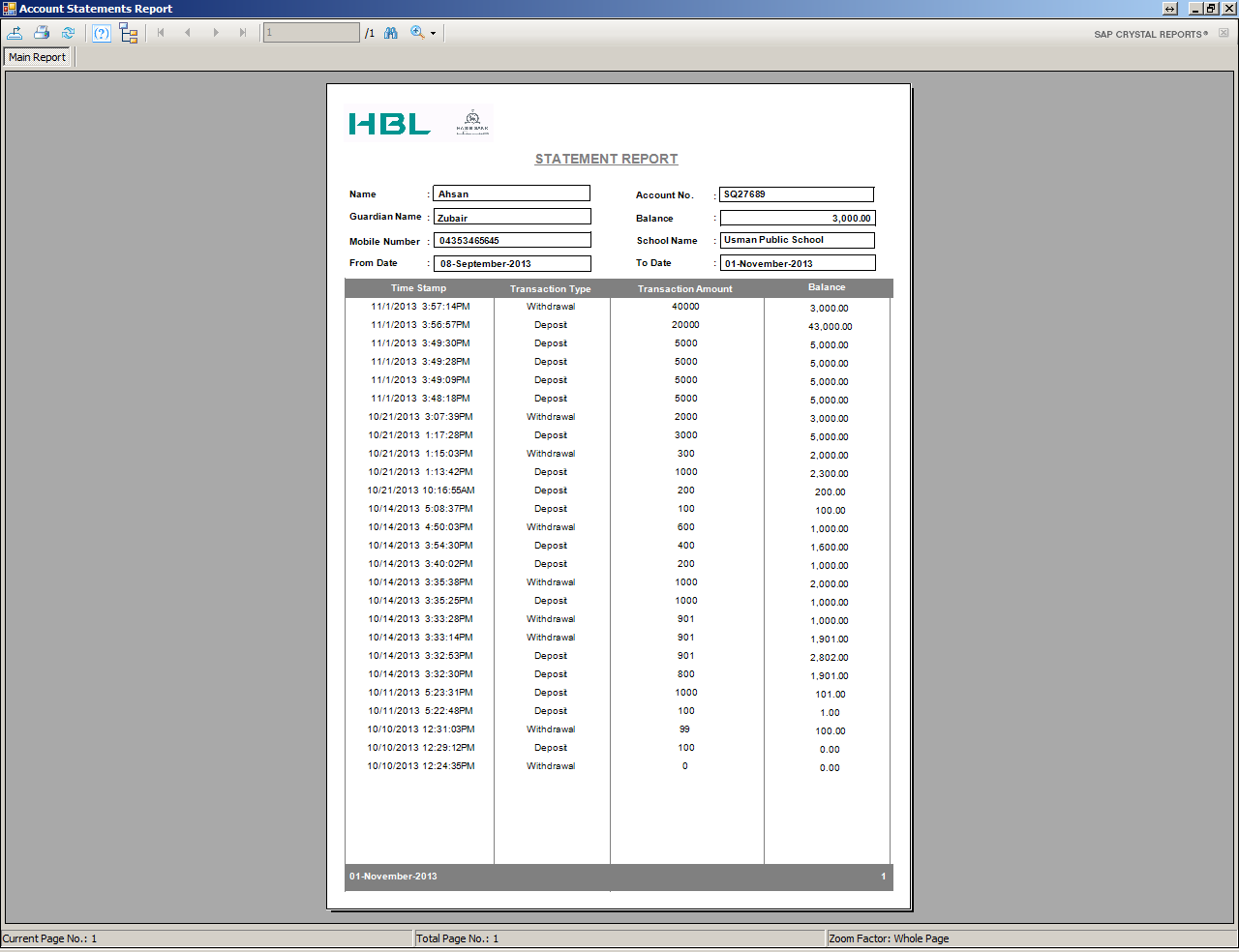
The final of this interface is to display report. So in order to get the account transaction and current balance report user will simply press the print button. 

In this way the user would further process for statement report along with current balance.

**REPORTS**

The software “Bank System” provides convenient interfaces to display reports using variety of filters. It

covers all possible reports for the ‘Bank System’ solution.

1. Account Creation/Information Report
2. Specific Account Report
3. Transactions/Statements Report
4. Balance Inquiry Report
5. **Account Creation/Information Report:** Using the software ‘Bank System’ our customer is facilitated with simple and reliable interface to search as well as to display the account’s report. It includes both the newly created account report and an account information report as shown respectively. 
6. **Transactions/Statements Report:** The software ‘Bank System’ also provide reliable and simple transaction searching mode along with its report, based on a valid ‘Account Number’. This report also include the current balance amount in the relevant account number. 
7. **Balance Inquiry Report:** The software ‘Bank System’ also facilitates our customer with simple and reliable ‘Balance Inquiry Interface to display a balance inquiry report of specific account number. 