**Event Planning Document**

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| **Program Name** | **Developer** | | **Object** | | **Date** |
| Bank Investment Application | Lisa Kilker | | frmBankInvestment | | March 23, 2017 |
| **Object** | | **Event Trigger** | | **Event Processing** | |
| btnCalculateCosts | | Tap or Click | | Declare Account Object  Declare CD Object  Declare Boolean Input Error indicator  If Name is empty, display error message  If Account Number is empty, display error message  If Deposit Amount is empty, display error message  If Deposit Amount is non-numeric, display error message  If Deposit amount is less than $1,000 or greater than $99,999, display error message  If Checking rad button is selected, display label with fees  If a Checking option is selected instantiate Account object with arguments. Set display label to visible.  Else instantiate CD for regular account by calling the conference account procedure.  Display “Display” label | |
| radChecking Radio Button | | Selected | | Displays label for fees | |
| radSavings Radio Button | | Selected | | Displays label for interest rate | |
| radOneYearCD Radio Button | | Selected | | Displays label for interest rate | |
| radTwoYearCD Radio Button | | Selected | | Displays label for interest rate | |
| radFiveYearCD Radio Button | | Selected | | Displays label for interest rate | |
| btnClearForm | | Selected | | Clears Name text box  Sets Focus to Name text box  Clears Account Number  Clears Deposit Amount  Selects radChecking  Clears radSavings  Clears radOneYearCD  Clears radTwoYearCD  Clears radFiveYearCD  Displays label for checking  Clears label for Savings  Clears label for OneYearCD  Clears label for TwoYearCD  Clears label for FiveYearCD  Clears Display label | |
| New Account | | Class Constructor | | Set Account equal to passed Name  Set Account equal to Account Number  Set Account equal to Deposit Amount, convert to integer  Set Account equal to Account Type | |
| ComputeCosts | | Function Procedure Call | | Cost = Amount Deposited – (25 X 12)  Write to the Account record  Return the cost | |
| Write Record | | Function call procedure | | Writes Name, Account Number, Deposit Amount, and Projected Value | |
| New CD | | Class Constructor | | Call base constructor (Name, Account Number, Deposit Amount)  Set Savings Boolean to passed Savings Boolean  Set OneYearCD Boolean to passed OneYearCD Boolean  Set TwoYearCd Boolean to passed TwoYearCD Boolean  Set FiveYearCD Boolean to passed FiveYearCd Boolean  Cost = Deposit Amount + (interest rate + deposit amount)  Write to Account file  Return the cost | |
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USE CASE:

1. The user views the opening screen
2. The user enters their name, account number, deposit amount
3. User selects an account type
4. The user clicks “Calculate”
5. The program displays the projected fees or interest rate
6. The program writes a record of the information to a file
7. The user can click “Clear” to clear the form, or Exit