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//
   ViewController.m
//
//
   bankApplication
//
    Created by Rozzles on 30/01/2014.
//
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//
//
#import "ViewController.h"
#import "MBFaker.h"
#import "InvestmentAccount.h"
#import "CreditAccount.h"
#import "DebitAccount.h"
@interface ViewController ()
@end
@implementation ViewController
//Initialise local variables used by this class
@synthesize AccountPicker;
NSMutableArray *AccountsPickerArray;
int DepositValue;
int WithdrawValue:
int pickerPosition;
/*
 *viewDidLoad delegate method that sets up the pickerView's dataSource
 *and initialised the AccountsPickerArray
 */
– (void)viewDidLoad
    [super viewDidLoad];
    pickerPosition = 0;
    AccountPicker.delegate = self;
    AccountPicker.dataSource = self;
    AccountsPickerArray = [[NSMutableArray alloc]init];
}
(void)didReceiveMemoryWarning
{
    [super didReceiveMemoryWarning];
}
//Creates a new object of InvestmentAccount with peramaters and reloads the
    PickerView. This is called when the button 'Investment Account' is clicked
- (IBAction)addInvestmentButton:(id)sender {
    [AccountsPickerArray addObject:[[InvestmentAccount alloc]
        initWithCustomerName: [MBFakerName name] Balance:arc4random_uniform(2000
        )]];
    [AccountPicker reloadAllComponents];
}
//As before with CreditAccount
- (IBAction)addCreditButton:(id)sender {
    [AccountsPickerArray addObject:[[CreditAccount alloc]
        initWithCustomerName:[MBFakerName name] Balance:arc4random_uniform(2000
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)]]:
    [AccountPicker reloadAllComponents];
}
//As before with DebitAccount
- (IBAction)addDebitButton:(id)sender {
    [AccountsPickerArray addObject:[[DebitAccount alloc] initWithCustomerName:
        [MBFakerName name] Balance:arc4random_uniform(2000)]];
    [AccountPicker reloadAllComponents];
}
//Called when the 'Simulate Interest Year' button is clicked. Runs through all
    the objects in PickerViewArray and sends them [simulateInterest] then
    reloads the pickerview after running this for all the classes.
- (IBAction)simulateYearOfInterest:(id)sender {
    for (int i=0; i<[AccountsPickerArray count]; i++) {</pre>
        [[AccountsPickerArray objectAtIndex:i] simulateInterestYear];
    [AccountPicker reloadAllComponents];
//Delegate method to initialise the PickerView's titles to the description of
    the selected object. - See [BankAccount description].
- (NSString *)pickerView: (UIPickerView *)AccountPicker titleForRow: (NSInteger)
    row forComponent:(NSInteger)component
{
    return [[AccountsPickerArray objectAtIndex:row]description];
//Delegate method called when the pickerview changes it's selection. Sets the
    pickePosition int to the selected value.
- (void)pickerView: (UIPickerView *)AccountPicker didSelectRow: (NSInteger) row
    inComponent:(NSInteger)component
{
    pickerPosition = row;
}
//Delegate method to initialise the PickerView's X size
- (NSInteger)numberOfComponentsInPickerView:(UIPickerView *)AccoutPicker
{
    return 1;
}
//Delegate method to initialise the PickerView's Y size
- (NSInteger)pickerView:(UIPickerView *)AccountPicker numberOfRowsInComponent:
    (NSInteger) component
{
    return [AccountsPickerArray count];
}
//Called when the 'Deposit' button is clicked. Sends the selected account
    'deposit' with the parameters of the dposit slider's value.
- (IBAction)DepositAction:(id)sender {
    [[AccountsPickerArray objectAtIndex:pickerPosition] deposit:DepositValue];
    [AccountPicker reloadAllComponents];
}
//As above with withdrawals.
- (IBAction)WithdrawAction:(id)sender {
    [[AccountsPickerArray objectAtIndex:pickerPosition] withdraw:WithdrawValue
    [AccountPicker reloadAllComponents];
}
```

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@end