



# Bank Accounts

A bank has three different bank accounts:

- **saving** account,
- **checking** account
- **interest checking** account

Every bank account has the following methods:

```
double    getBalance()  
boolean    deposit(double amount)  
boolean    withdraw(double amount)  
boolean    transfer(double amount, Account target)  
void       monthlyAdjustment()
```

## Saving Account

- A saving account has a fixed interest rate of 4%. Every month, customers are rewarded with this interest rate based on their balance.
- Customers can withdraw or transfer money as long as the balance remains positive.

A saving account has an extra method: `double getInterestRate()`

## Checking Account

- A checking account has a fixed fee (50 QAR) that is withdrawn from the balance every month.
- Customers can always withdraw or transfer money.

A checking account has an extra method: `double getFee()`

## Interest Checking Account

An interest checking account combines a saving account and a checking account.