

5.6 Exchanges

```

CREATE exchange UniDido.TopOffDining
( FromAccount Hash.
  ToAccount Hash
) AS
FROM OurDido.StudentAccount
TO OurDido.DinningHallAccount
( AccountsID : Hash;
  StudentId : SELECT genesis
                FROM OurDido.StudentAccount STUDENT_ACCT
                WHERE STUDENT_ACCT.AccountId = $FromAccount.;
  AccountId : SELECT genesis
                FROM OurDido.DinningHallAccount DINING_ACCT
                WHERE DINING_ACCT.AccountId = $ToAccount.;
)
AS TRANSACTION
( TRANSFER FROM StudentId::CURRENT
      TO OurDido.DinningHallAccount
      AMOUNT $AmountToTransfer.
  TIMEOUT = 10*60000 --- 10 minutes
  WHEN Success
    THEN POST INFORMATION
      TO Log, Notify
  OBJECTS OurDido.StudentAccount,
           OurDido.DinningHallAccount
  TEXT The $AmountToTransfer. successful BETWEEN $FromDido. AND
$toDido
  WHEN failure
    THEN POST WARNING
      TO log, Notify, Alert
  OBJECTS OurDido.StudentAccount,
           OurDido.DinningHallAccount,
           OurDido.Administrator
);

```

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