```
package org.hyperledger.fabric.asset.chaincode;
import java.util.List;
import org.hyperledger.fabric.contract.Context;
import org.hyperledger.fabric.contract.ContractInterface;
import org.hyperledger.fabric.contract.annotation.ChaincodeFunction;
import org.hyperledger.fabric.contract.annotation.ChaincodeStub;
import org.hyperledger.fabric.shim.ledger.QueryResultsIterator;
import com.google.protobuf.ByteString;
public class Asset implements ContractInterface {
  @ChaincodeFunction
  public byte[] createAccount(Context ctx, String id, String dealerID, String msisdn, String
mpin, Double balance, String status, Double transAmt, String transType, String remarks) {
     // Validate and create account object
     Account account = new Account(id, dealerID, msisdn, mpin, balance, status, transAmt,
transType, remarks);
    // Check if account already exists
     ByteString accountAsBytes = ctx.getStub().getState(id);
     if (accountAsBytes != null) {
       return new byte[] { -1, 'A', 'c', 'c', 'o', 'u', 'n', 't', ' ', 'e', 'x', 'i', 's', 't', 's' }; // Error message
     }
     // Store account details
     accountAsBytes = ctx.getStub().putState(id, Account.marshall(account));
     return null;
  }
```

```
// Implement functions for updateAccount, readAccount, and getAccountHistory
  // Utility methods
  public static byte[] marshall(Account account) {
    // ... (implement serialization logic - convert Account object to byte array)
  }
  public static Account unmarshall(byte[] data) {
    // ... (implement deserialization logic - convert byte array to Account object)
  }
}
class Account {
  private String id;
  private String dealerID;
  private String msisdn;
  private String mpin; // Consider storing hashed version for security
  private Double balance;
  private String status;
  private Double transAmt;
  private String transType;
  private String remarks;
  // Getters and Setters (omitted for brevity)
  public Account(String id, String dealerID, String msisdn, String mpin, Double balance,
String status, Double transAmt, String transType, String remarks) {
     this.id = id;
     this.dealerID = dealerID;
     this.msisdn = msisdn;
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this.mpin = mpin;
this.balance = balance;
this.status = status;
this.transAmt = transAmt;
this.transType = transType;
this.remarks = remarks;
}
```