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Structure

# Transaction

A structure that represents a transaction relating to a specific financial account.

iOS 17.4+ | iPadOS 17.4+

```
struct Transaction
```

## Overview

This can include transactions such as a deposit to or a withdrawn from bank account, a credit card transaction.

## Topics

### Instance Properties

let accountID: UUID

The account ID the transaction belongs to.

let creditDebitIndicator: CreditDebitIndicator

An indicator that describes if the transaction is a credit or a debit.

let foreignCurrencyAmount: CurrencyAmount?

The total amount of the transaction, if it was carried out in a foreign currency.

let foreignCurrencyExchangeRate: Decimal?

The currency exchange rate, if the transaction was carried out in a foreign currency.

```
let id: UUID
```

A unique internal ID.

```
let merchantCategoryCode: MerchantCategoryCode?
```

The ISO 18245 category code for the transaction.

```
let merchantName: String?
```

The name of the merchant, if present.

```
let originalTransactionDescription: String
```

The unmodified description of the transaction.

```
let postedDate: Date?
```

The date and time that the transaction was posted to the account.

```
let status: TransactionStatus
```

The status of the transaction, if available.

```
let transactionAmount: CurrencyAmount
```

The total amount of the transaction.

```
let transactionDate: Date
```

The time the transaction took place, if available.

```
let transactionDescription: String
```

A description of the transaction.

```
let transactionType: TransactionType
```

The type of the transaction.

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## Relationships

### Conforms To

Decodable

Encodable

Equatable

Identifiable

Sendable

## See Also

### Transactions

```
func transactionHistory(forAccountID: UUID, since: FinanceStore.HistoryToken?, isMonitoring: Bool) -> FinanceStore.History<Transaction>
```

Returns the transactions for the specified account ID, optional starting time, and monitoring indicator for long running transaction queries.

```
func transactions(query: TransactionQuery) async throws -> [Transaction]
```

Returns transactions that match the provided transaction query.

`struct AccountQuery`

A structure that defines an account query.

`struct AccountCreditInformation`

A structure that describes the credit information associated with an account.

`struct CurrencyAmount`

A structure that describes a monetary amount and its currency.

`struct TransactionQuery`

A structure that describes the parameters to use for a transaction query.

`enum TransactionType`

Values that describe kinds of transactions.

`enum TransactionStatus`

Values that describe the status of a transaction.