DATA DICTIONARY

Here's a comprehensive data dictionary for the dataset:

Customers Table:
- CustomerID (int): Unique identifier for each customer.

- CustomerName (str): Name of the customer.

- EmailAddress (str): Email address of the customer.

- PhoneNumber (str): Phone number of the customer.

Accounts Table:
- AccountID (int): Unique identifier for each account.

- CustomerID (int): Foreign key referencing Customers table. Identifies the customer associated with the account.

- Balance (float): Current balance in the account.

Transactions Table:
- TransactionID (int): Unique identifier for each transaction.

- AccountID (int): Foreign key referencing Accounts table. Identifies the account associated with the transaction.

- TransactionDate (datetime): Date of the transaction.

- TransactionType (str): Type of transaction (Deposit, Withdrawal, Transfer).

- Amount (float): Transaction amount.

TransactionCategories Table:
- CategoryID (int): Unique identifier for each transaction category.

- CategoryName (str): Name of the transaction category.

CategorizedTransactions Table:
- TransactionID (int): Foreign key referencing Transactions table. Identifies the transaction associated with the category.

- CategoryID (int): Foreign key referencing TransactionCategories table. Identifies the category associated with the transaction.

- TransactionDescription (str): Description of the transaction.

MarketData Table:
- MarketDataID (int): Unique identifier for each market data entry.

- StockSymbol (str): Symbol of the stock.

- Price (float): Current price of the stock.

- Timestamp (datetime): Timestamp of the market data entry.

This data dictionary provides a detailed description of each column in the dataset, including data types and relationships between tables. It serves as a reference for understanding the meaning and structure of the data in the Zipco Bank dataset.