The schema is in Boyce-Codd Normal Form (BCNF) as each table possesses a primary key, and all non-key attributes are fully functionally dependent on the primary key without any partial or transitive dependencies. This ensures data integrity and efficient storage by minimizing redundancy and eliminating anomalies.

Below is the schema in BCNF. Table Attributes and their respective attribute types are shown.

Client User
Table name: Client_User

Table Attributes:
user_id (Primary Key)
first_name
last_name
email
last_login

Table Attribute Typs:
user_id: INT (Prinary Key)
first_name: TEXT
last_name: TEXT
email: TEXT
last_login: DATE

Property Portfolio:
Table Name: Property_Portfolio

Table Attributes:
portfolio_id (Primary Key)
user_id: (Foregin Key referencing Client_User)
name
total_value
status

Table Attribute Types:
portfolio_id: INT (Primary Key)
user_id: INT (Foreign Key referencing Clinet_User)
name: TEXT
total_value: INT
status: BOOLEAN

Lease Table
Table Name: Lease

Table Attributes:
lease_id (Primary Key)
lease_start_date
lease_end_date
rent_amount
renewal_date
summary
property_id (Foreign Key referencing Property)
portfolio_id (Foregin Key referencing Property_Portfolio)

Table Attribute Types:
lease_id: INT (Primary Key)
property_id: INT (Foreign Key referencing Property)
portfolio_id: INT (Foregin Key referencing Property_Portfolio)
lease_start_date: DATE
lease_end_date: DATE
rent_amount: INT
renewal_date: INT
summary: TEXT

Tenant Table:
Table Name: Tenant

Table Attributes:
tenant_id (Primary Key)
first_name
last_name
email
age

Table Attribute Types:
tenant_id: INT (Primary Key)
first_name: TEXT
last_name: TEXT
contact_information: TEXT
email: TEXT
age: INT

Lease_Tenant Junction Table:
Table Name: Lease_Tenant

Table Attributes:
lease_id (Foreign Key referencing Lease)
tenant_id (Foreign Key referencing Tenant)

Table Attribute Types:
lease_id: INT (Foreign Key referencing Lease)
tenant_id: INT (Foreign Key referencing Tenant)

Property Table:
Table Name: Property

Table Attributes:
property_id (Primary Key)
value
address
acquisition_date
square_footage
property_type_id (Foreign Key referencing Property_Type)
portfolio_id (Foreign key referencing Property_Portfolio)

Table Attribute Types:
property_id: INT (Primary Key)
value: INT
address: TEXT
acquisition_date: DATE
square_footage: INT
property_type_id: INT (Foreign Key referencing Property_Type)
portfolio_id: INT (Foreign key referencing Property_Portfolio)

Property_Type Table:
Table Name: Property_Type

Table Attributes:
property_type_id (Primary Key)
name

Table Attribute Types:
property_type_id: INT (Primary Key)
name: TEXT

Financial_Report Table:
Table Name: Financial_Report

Table Attributes:
report_id (Primary Key)
period_start_date
period_end_date
income
expenses
report_summary
property_id (Foreign Key referencing Property)
report_type_id (Foreign Key referencing Report_Type)
portfolio_id(Foreign Key referencing Property_Portfolio)

Table Attribute Types:
report_id: INT (Primary Key)
period_start_date: DATE
period_end_date: DATE
income: INT
expenses: INT
report_summary: INT
property_id: INT (Foreign Key referencing Property)
report_type_id: INT (Foreign Key referencing Report_Type)
portfolio_id: INT (Foreign Key referencing Property_portfolio)

Report_Type
Table Name: Report_Type

Table Attributes:
report_id_type (Primary Key)
name

Table Attribute Types:
report_id_type: INT (Primary Key)
name: TEXT

Transactions
Table Name: Transactions

Table Attributes:
transaction_id: (Primary Key)
user_id (Foreign Key referencing Client_User)
transaction_type_id: (Foreign Key referencing Transaction_type)
portfolio_id(Foreign Key referencing Property_Portfolio)
amount
transaction_date
description

Table Attribute Types:
transaction_id: INT (Primary Key)
user_id: INT (Foreign Key referencing Client_User)
transaction_type_id: INT (Foreign Key referencing Transaction_type)
portfolio_id: INT (Foreign Key referencing Portfolio)
amount: INT
transaction_date: DATE
description: TEXT

Transaction_type
Table Name: Transaction_Type

Table Attributes:
transaction_type_id: (Primary Key)
name

Table Attribute Typeas:
transaction_type_id: INT (Primary Key)
name: TEXT