CHAPTER III
RESEARCH DESIGN AND METHODOLOGY

3.1. Research Methodology

This study employs a mixed-methods approach to thoroughly examine the rental management system at Taguig People's Market. This approach enables the integration of quantitative data derived from structured questionnaires with qualitative insights obtained through interviews and observations, facilitating a comprehensive investigation.

3.2. Respondents

The respondents for this study comprise vendors operating within Taguig People's Market, a bustling marketplace located in Lower Bicutan, Taguig City. The market serves as a vital hub for local commerce, offering a diverse array of goods and services to residents and visitors alike.
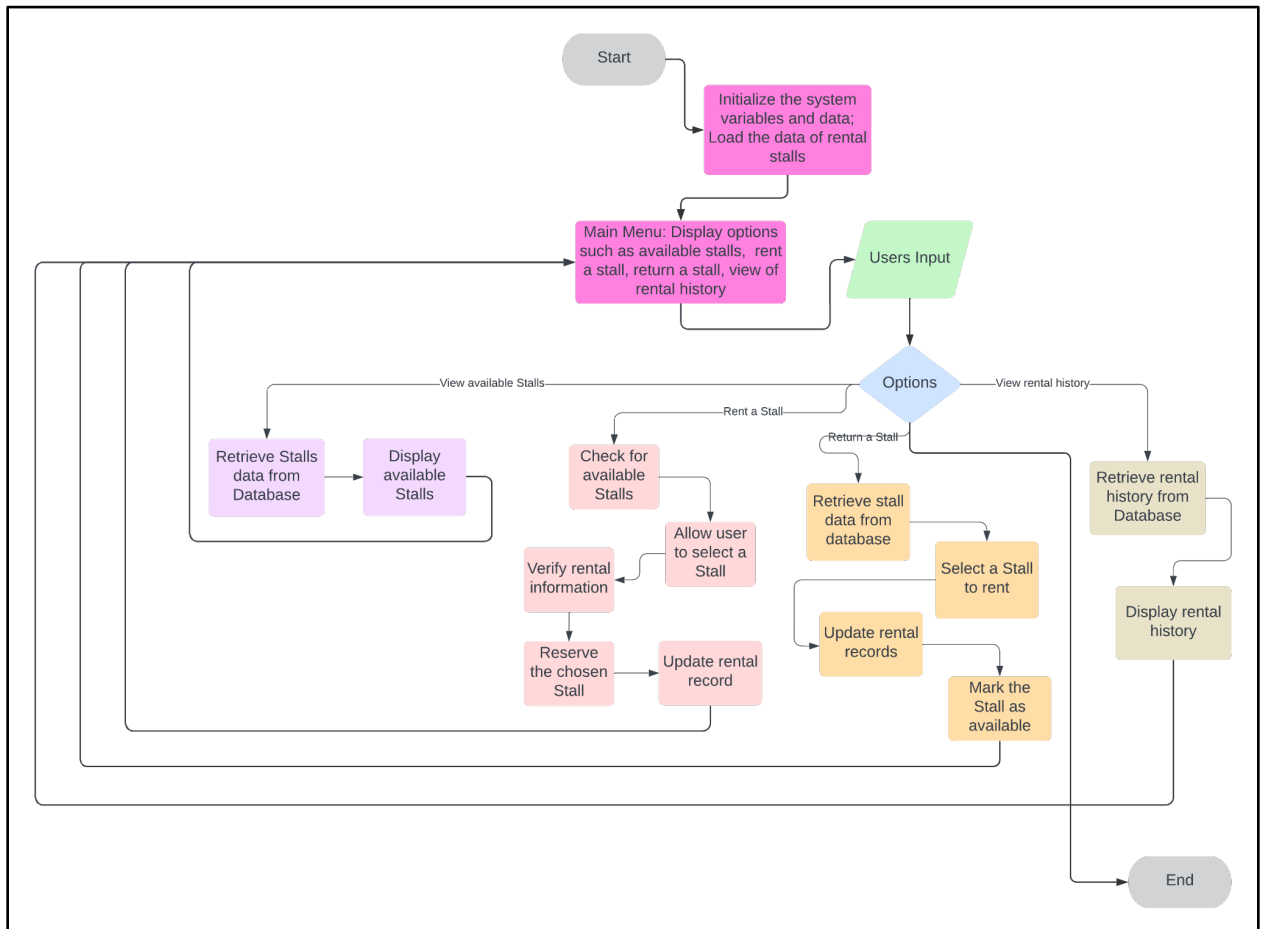
3.3. Research Instrument

By focusing on the vendors at Taguig People's Market, this study aims to explore the socio-economic landscape, market dynamics, and challenges faced by local entrepreneurs in sustaining their businesses within the vibrant marketplace of Lower Bicutan, Taguig City.
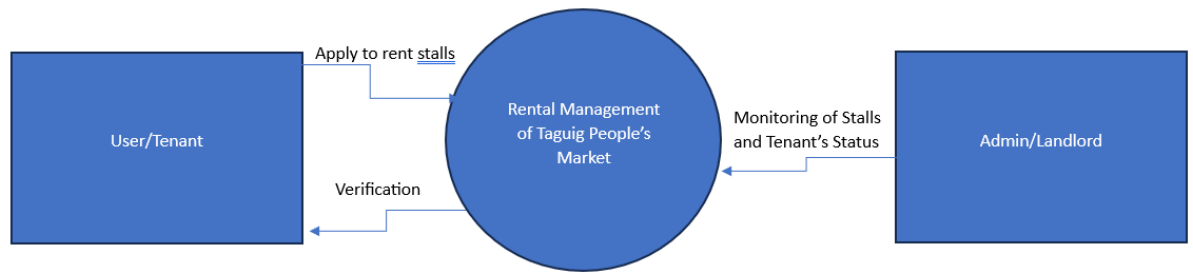
Our primary approach to data collection revolves around leveraging an existing study as the foundation for our research tool. This structured assessment instrument aims to evaluate vendors' rental experiences centered on satisfaction, communication, support, maintenance, and facilities. By incorporating established scales from prior research on vendor satisfaction and organizational behavior, this instrument guarantees thorough data collection and analysis.

3.4. Design Procedure
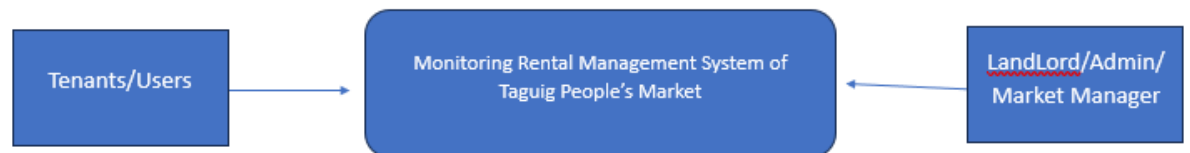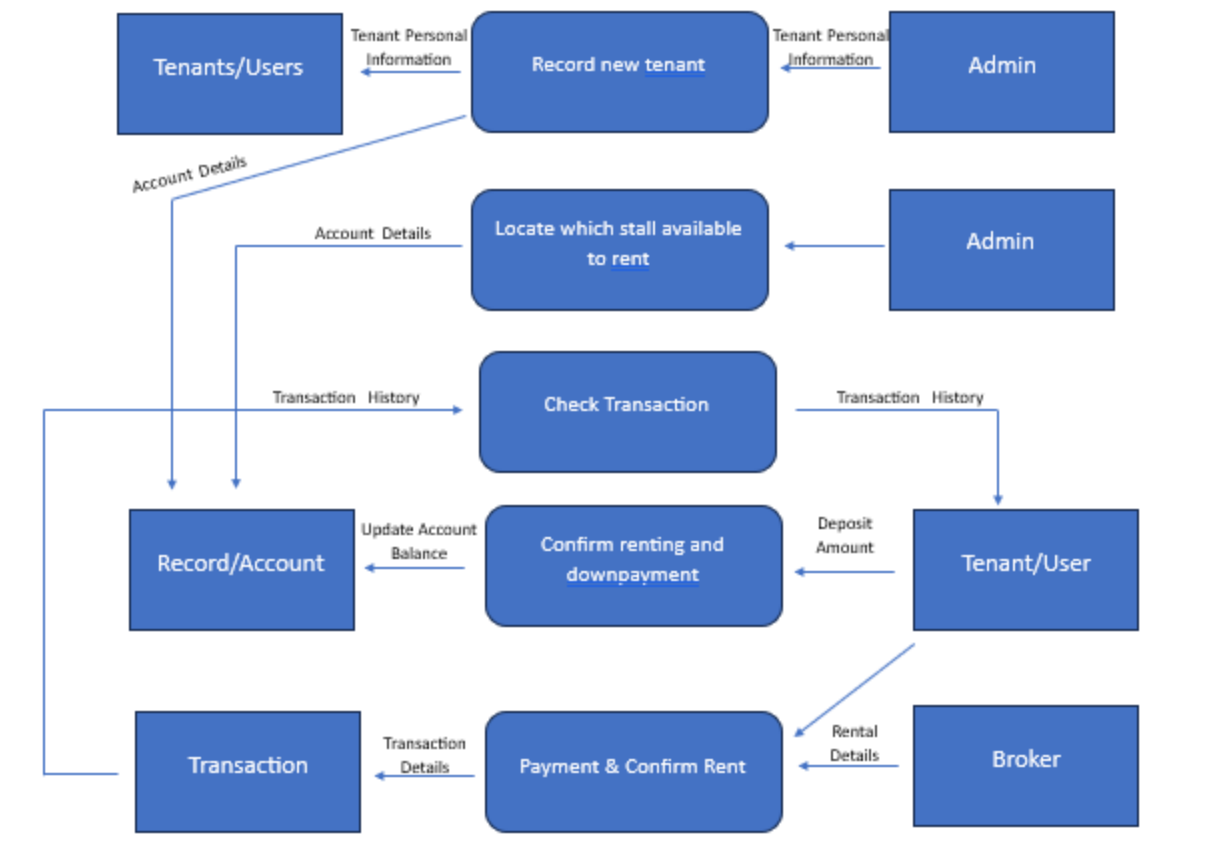
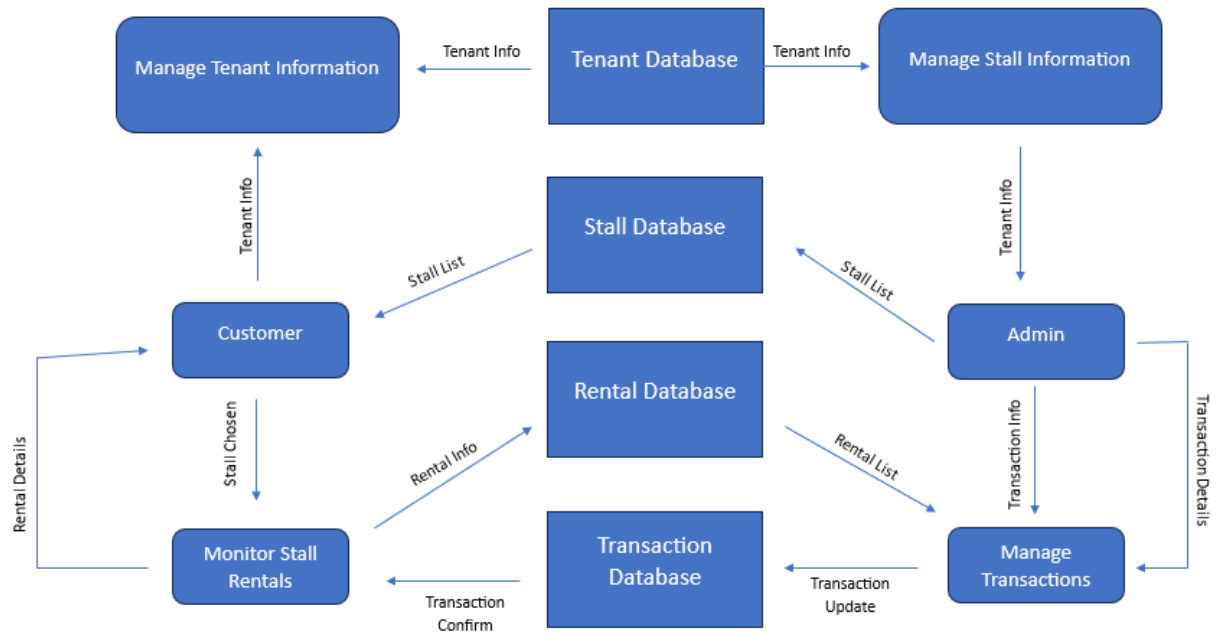### 3.4.1. Program Flowchart

3.4.2. Context Flow Diagram

Apply to rent stalls

User/Tenant

Rental Management of Taguig People's Market

Verification

Monitoring of Stalls and Tenant's Status

Admin/Landlord

3.4.3. Data Flow Diagram
3.4.3.1 Data Flow Diagram Level 0

Tenants/Users

Monitoring Rental Management System of Taguig People's Market

LandLord/Admin/ Market Manager

3.4.3.2 Data Flow Diagram Level 1

Tenant Personal Information

Tenants/Users

Record new tenant

Tenant Personal Information

Admin

Account Details

Account Details

Locate which stall available to rent

Admin

Transaction History

Check Transaction

Transaction History

Update Account Balance

Record/Account

Confirm renting and downpayment

Deposit Amount

Tenant/User

Transaction

Transaction Details

Payment & Confirm Rent

Rental Details

Broker

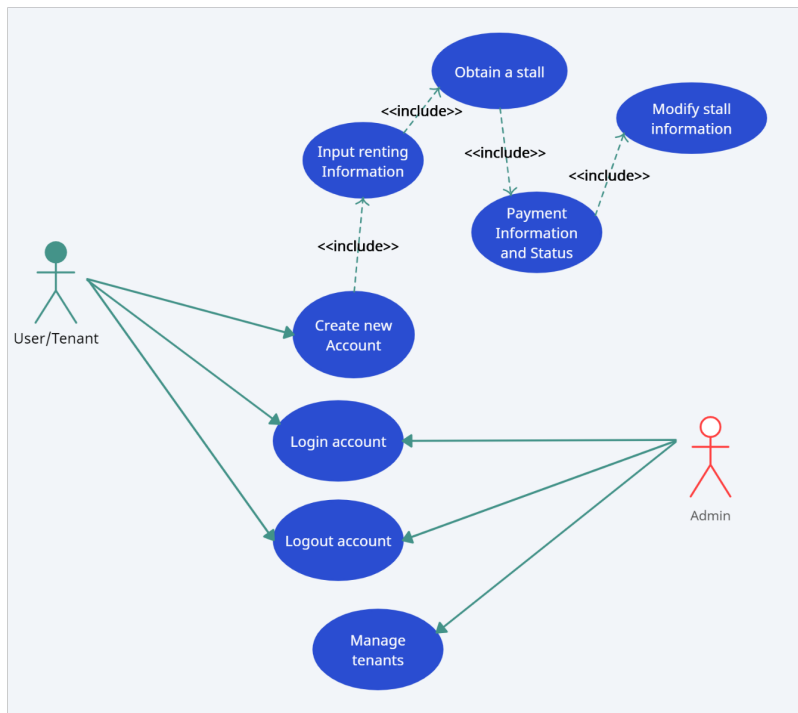### 3.4.3.3 Data Flow Diagram Level 2

3.5. Entity Relationship Diagram
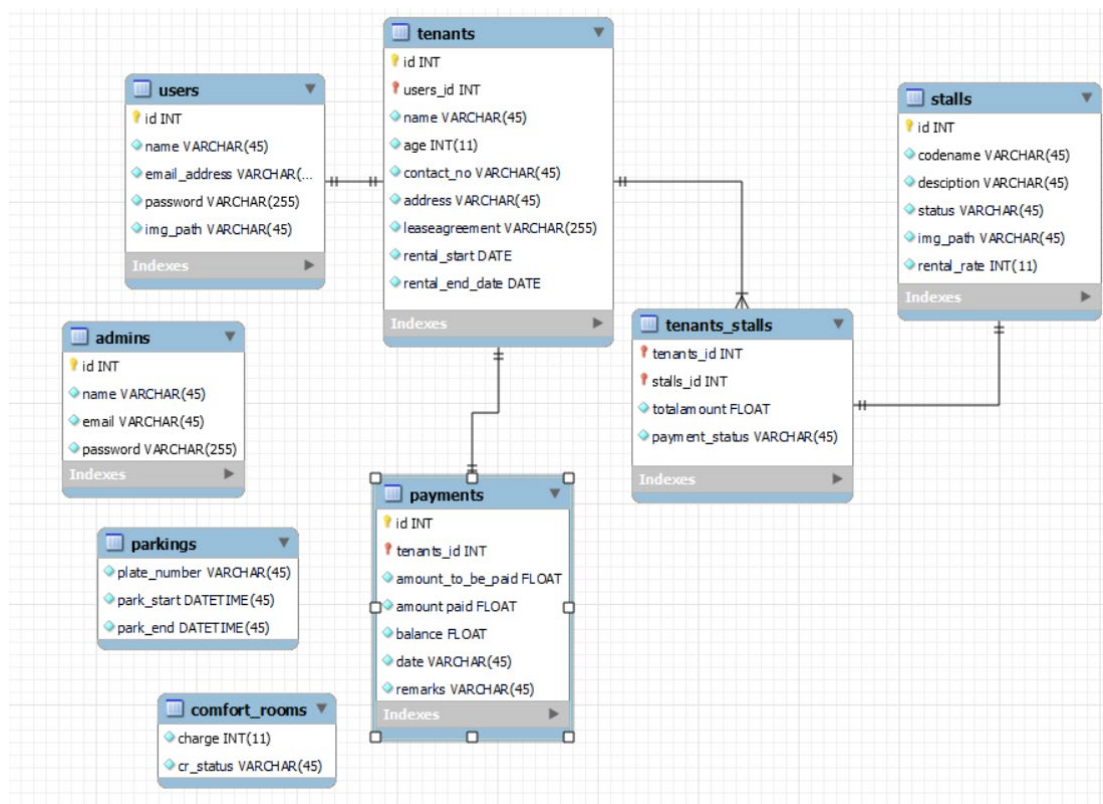
3.6. Use Case Diagram

3.7. System Flowchart

3.8. Gantt Chart

TimelineGanttOverviewSection   February 27, 2024 | 18:12:24

| | | Q1 2024 | | | Q2 2024 | | |
| | ...ber | January | February | March | April | May | June |

Chapter 1	Jan 11 - Feb 6						
BeyondTheStalls System	Jan 11 - Mar 11						
Chapter 2	Feb 6 - 23						
Chapter 3	Feb 23 - 29						
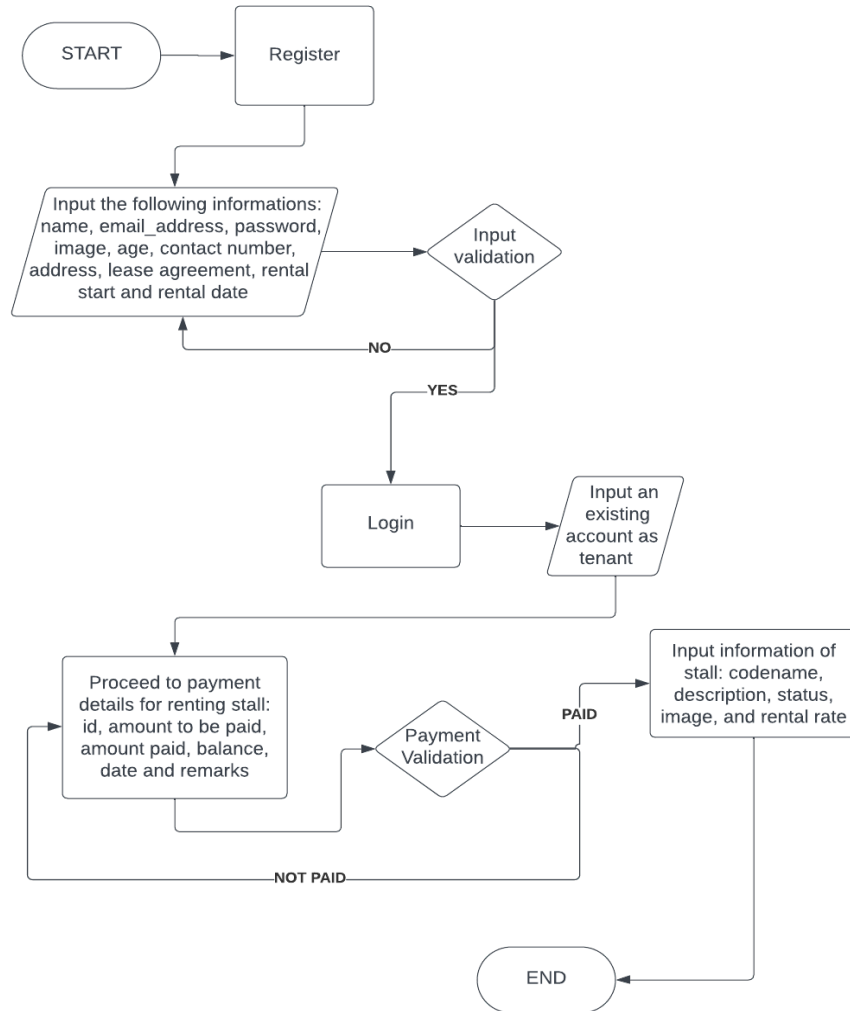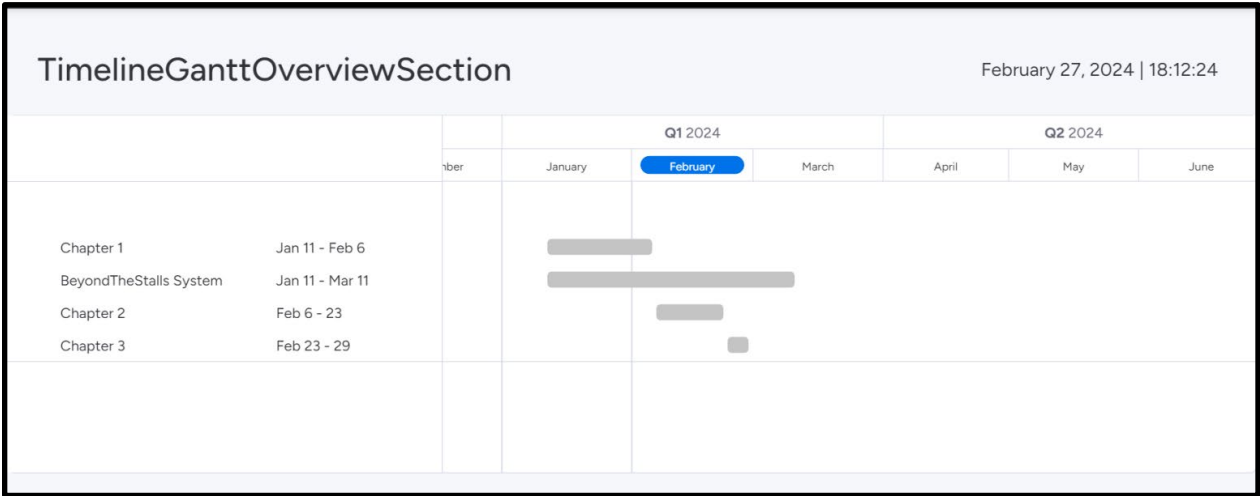
Project		Owner	Status ⓘ		Due date ⓘ	Files	Timeline ⓘ	Dependency ⓘ
Chapter 1	⊕	👤+3	Done	❗	~~Feb 6~~	🖼📄	❗Jan 11 - Feb 6	
Chapter 2	⊕	👤+3	Done	❗	~~Feb 24~~	🖼📄	❗ Feb 6 - 23	Chapter 1
Chapter 3	⊕	👤+3	Working on it	◑	Feb 29		Feb 23 - 29	Chapter 1 +1
BeyondTheStalls System	⊕	👤+3	Working on it	○	Mar 14		Jan 11 - Mar 11	Chapter 3 +2