

Data and Process Modeling

Version 1.10

Residence Room Availability System

Group 11

Aaron Quan, Amir Negahdarsaber, Merrick McLean, Myles Petersen, Sebastian Booth

Document History

Version	When	Who	What
1.0	November 7th	Merrick	Set up design doc (invision) and google doc
1.1	November 7th	Merrick	Set up for DFD diagrams
1.2	November 7th	Merrick	Outlines/requirements of all DFDs
1.3	November 7th	Aaron and Merrick	Created Context Diagram, Diagram 0, Diagram 1, And Diagram 2
1.4	November 7th	Sebastian	Created Diagram 3 and Diagram 4
1.5	November 7th	Myles	Created Diagram 5
1.6	November 8th	Amir and Myles	Created Diagram 5 and 6
1.7	November 8th	Merrick	Made Additions and Corrections to Diagram 4, 5, and 6
1.8	November 8th	Merrick and Amir	Added diagrams to document
1.9	November 8th	Merrick	Updates to System Structure (Diagram 0) and Context Diagram
1.10	November 8th	Merrick	Submission

Table of Contents

1. Context Diagram
2. Diagram 0: System Structure
 - 2.1. Diagram 1: Netlink Login
 - 2.2. Diagram 2: Display Page of Residence Rooms
 - 2.3. Diagram 3: Retrieve Available Rooms
 - 2.4. Diagram 4: Select Room
 - 2.5. Diagram 5: Book Selected Room
 - 2.6. Diagram 6: Change Booking to Selected Room

Data and Process Modeling

1. Context Diagram

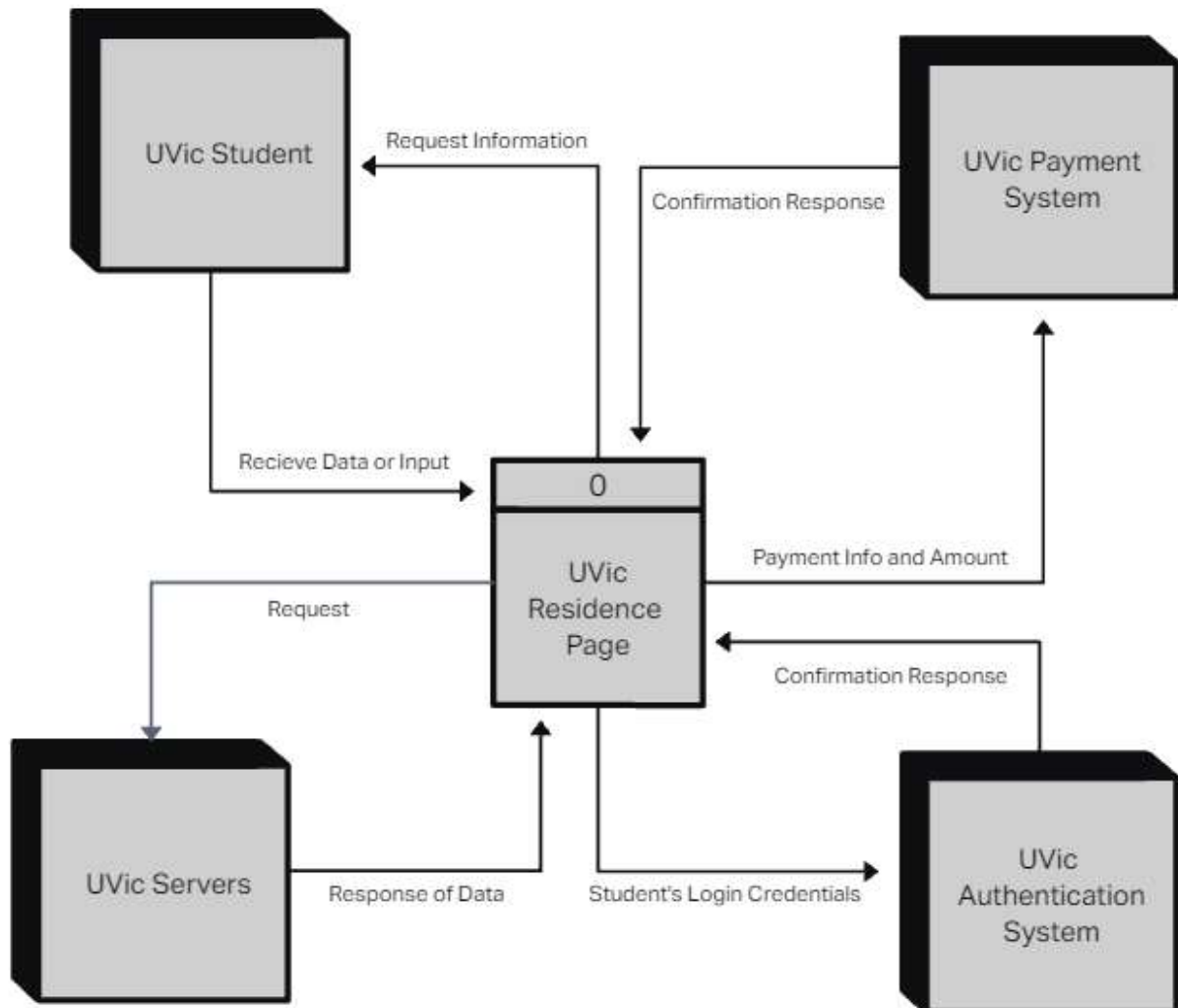


Fig. 1 *Context Diagram* created by Merrick and Aaron

2. System Structure (Diagram 0)

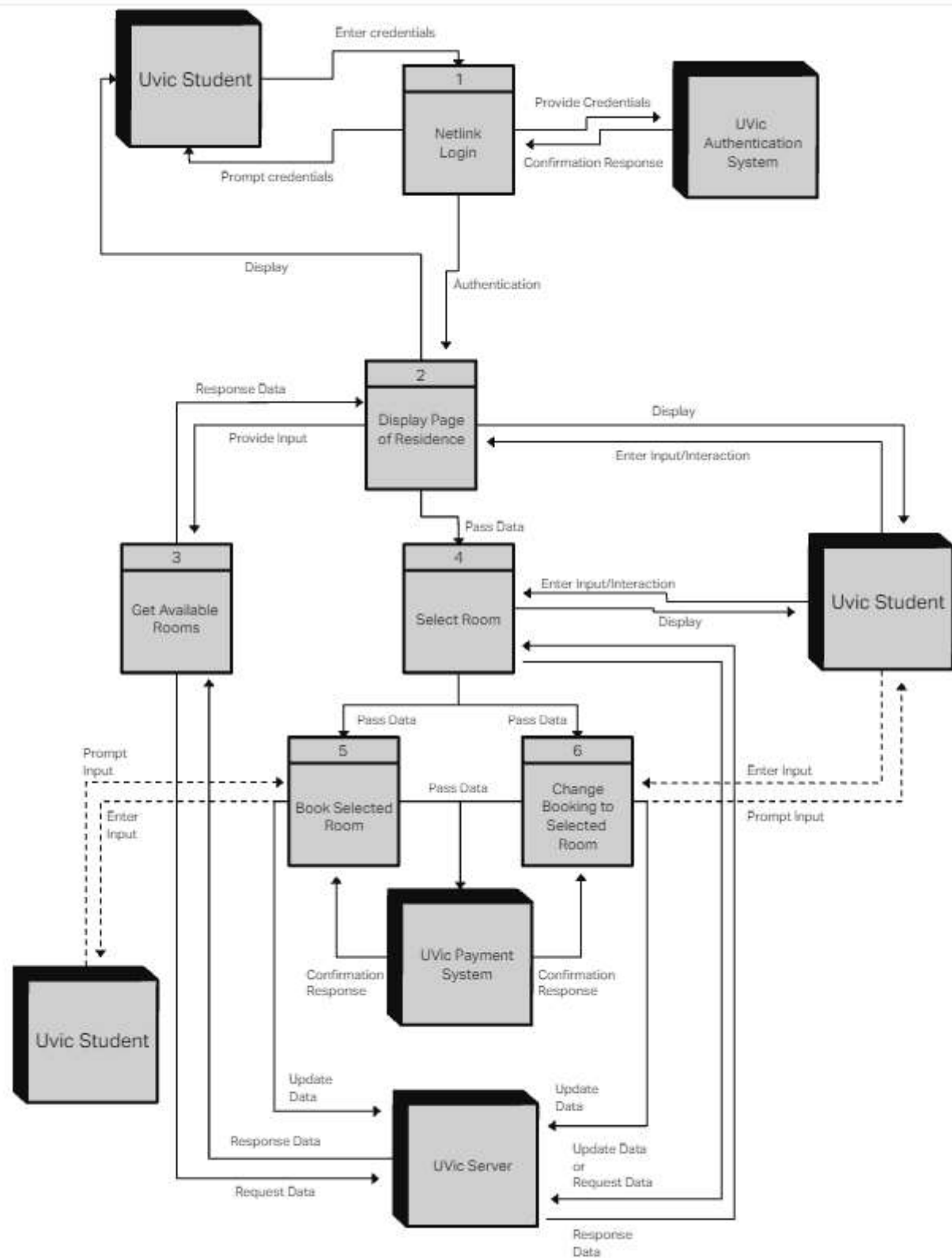


Fig. 2 System Structure created by Merrick and Aaron.

2.1. Netlink Login

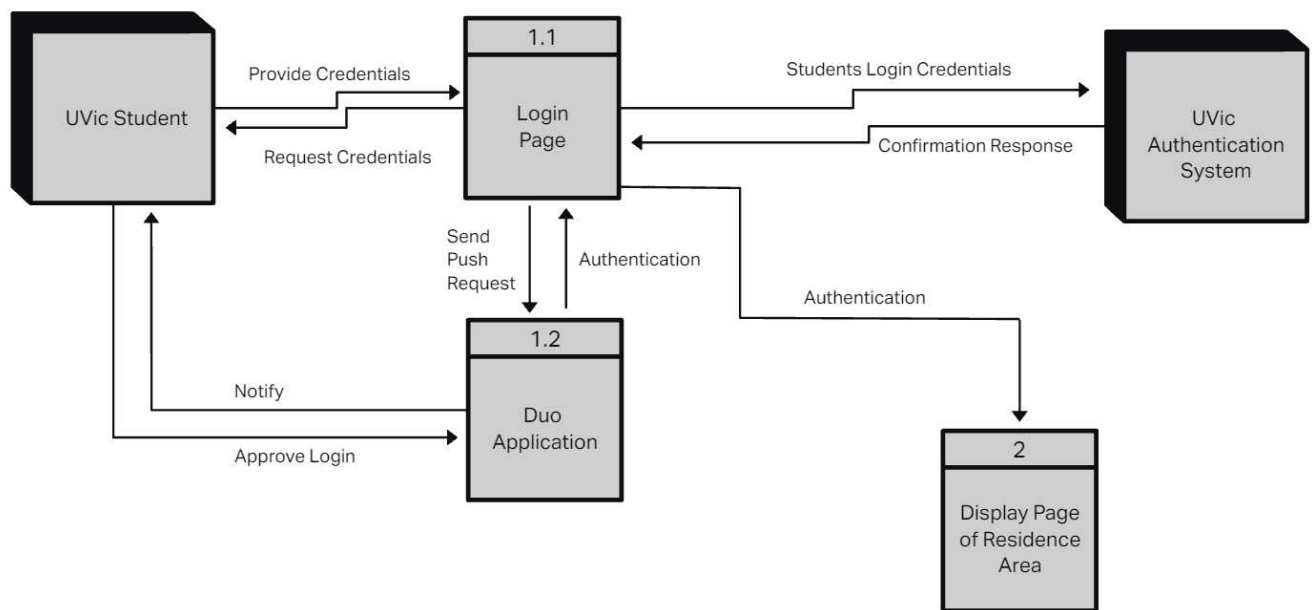


Fig. 3 *Netlink Login System* created by Merrick and Aaron with guidance from Template example (since it uses the current UVic login system)

2.2. Display Page of Residence Rooms

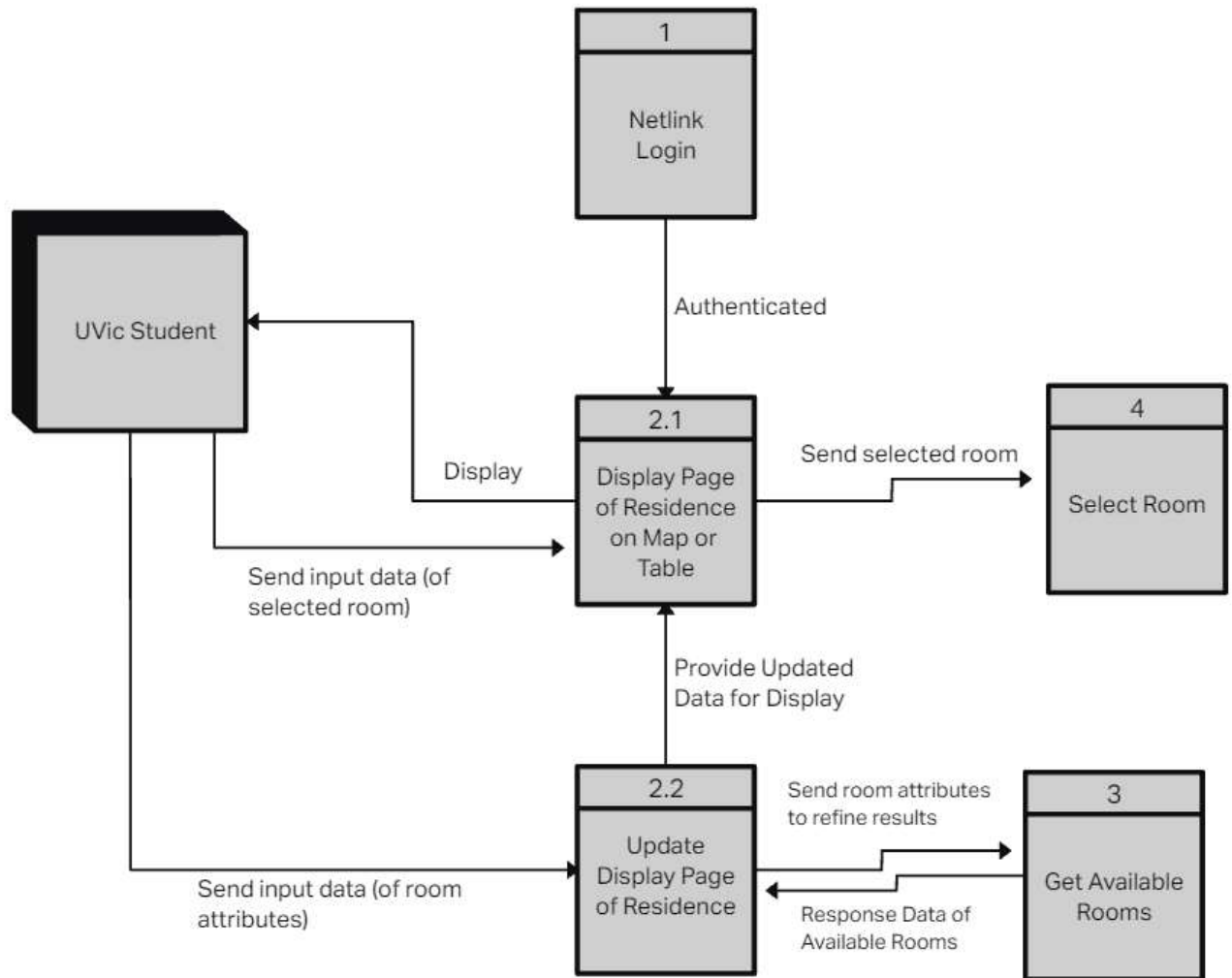


Fig. 4 *Display Page of Residence Rooms* created by Aaron and Merrick

2.3. Retrieve Available Rooms

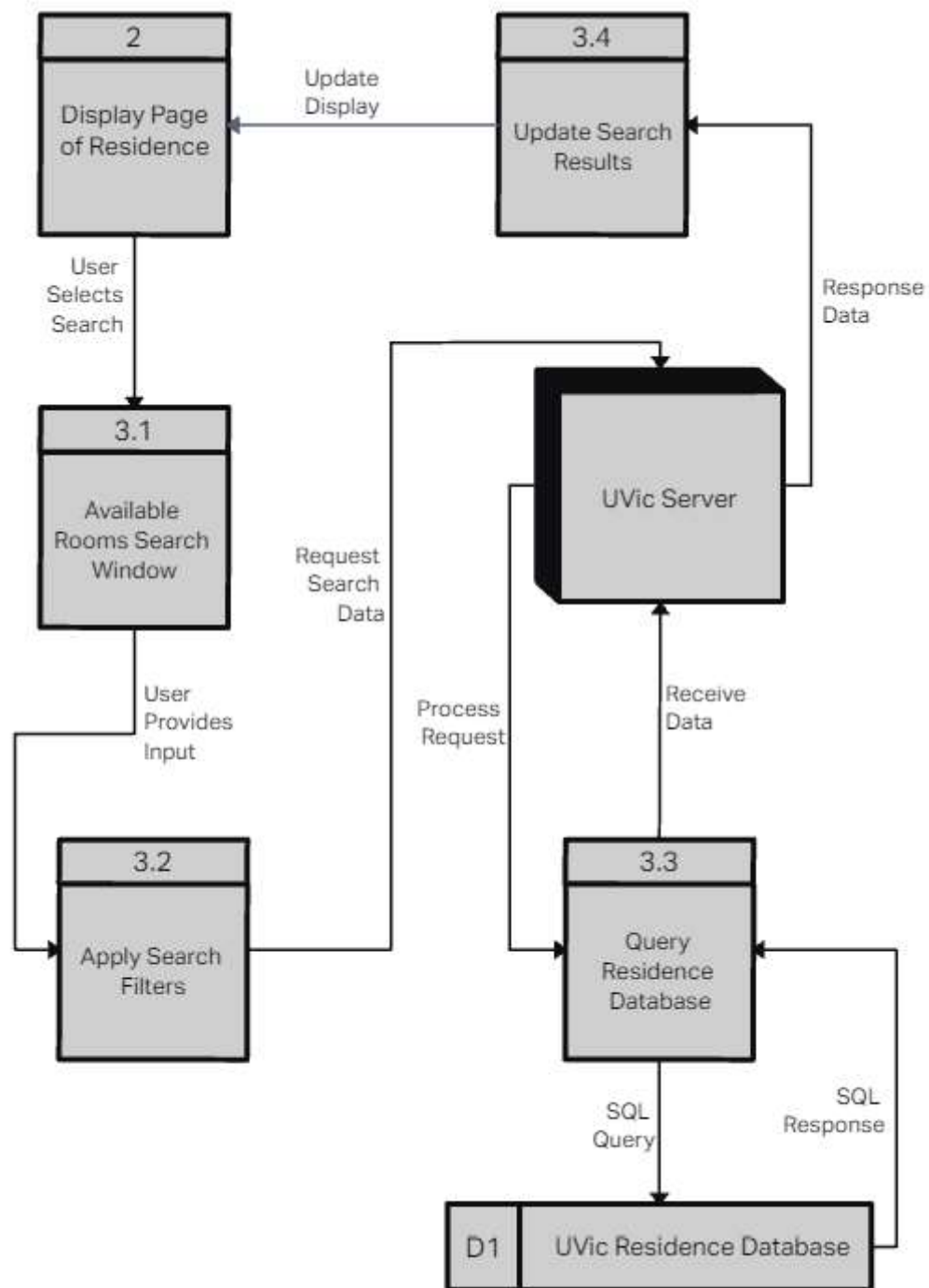


Fig. 5 Retrieve Available Rooms Diagram created by Sebastian

2.4. Select Room

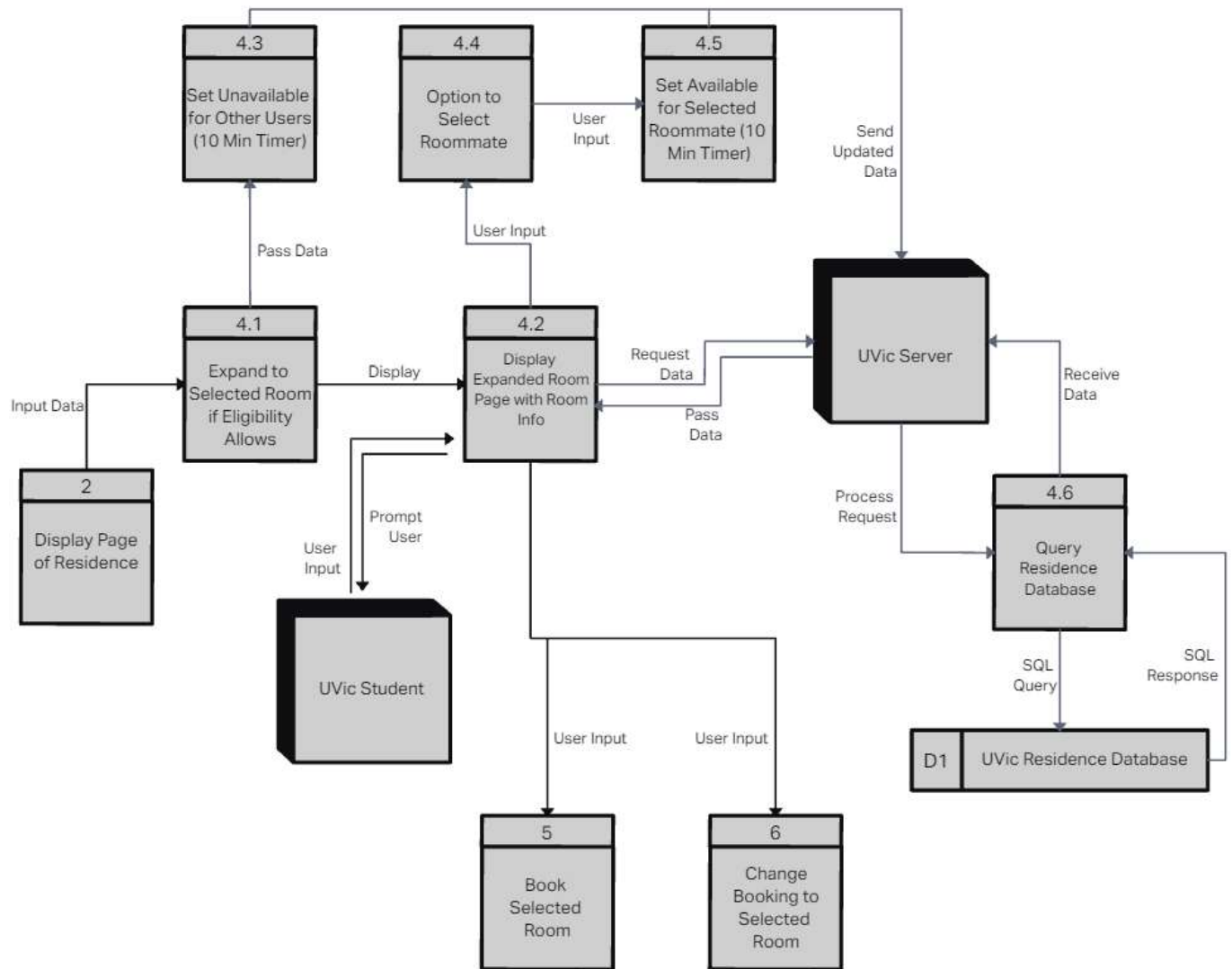


Fig. 6 *Select Room Diagram* created by Sebastian and Merrick

2.5. Book Selected Room

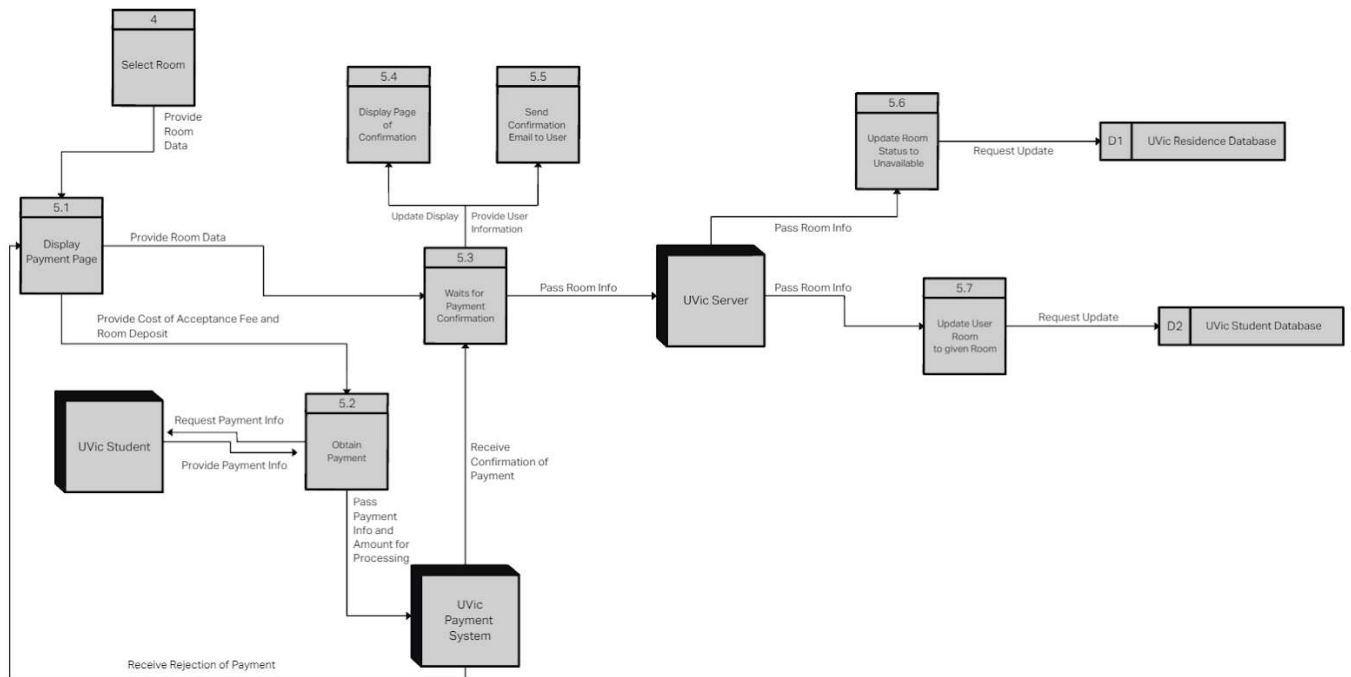


Fig. 7 *Book Selected Room Diagram* created by Myles and Merrick

2.6. Change Booking to Selected Room

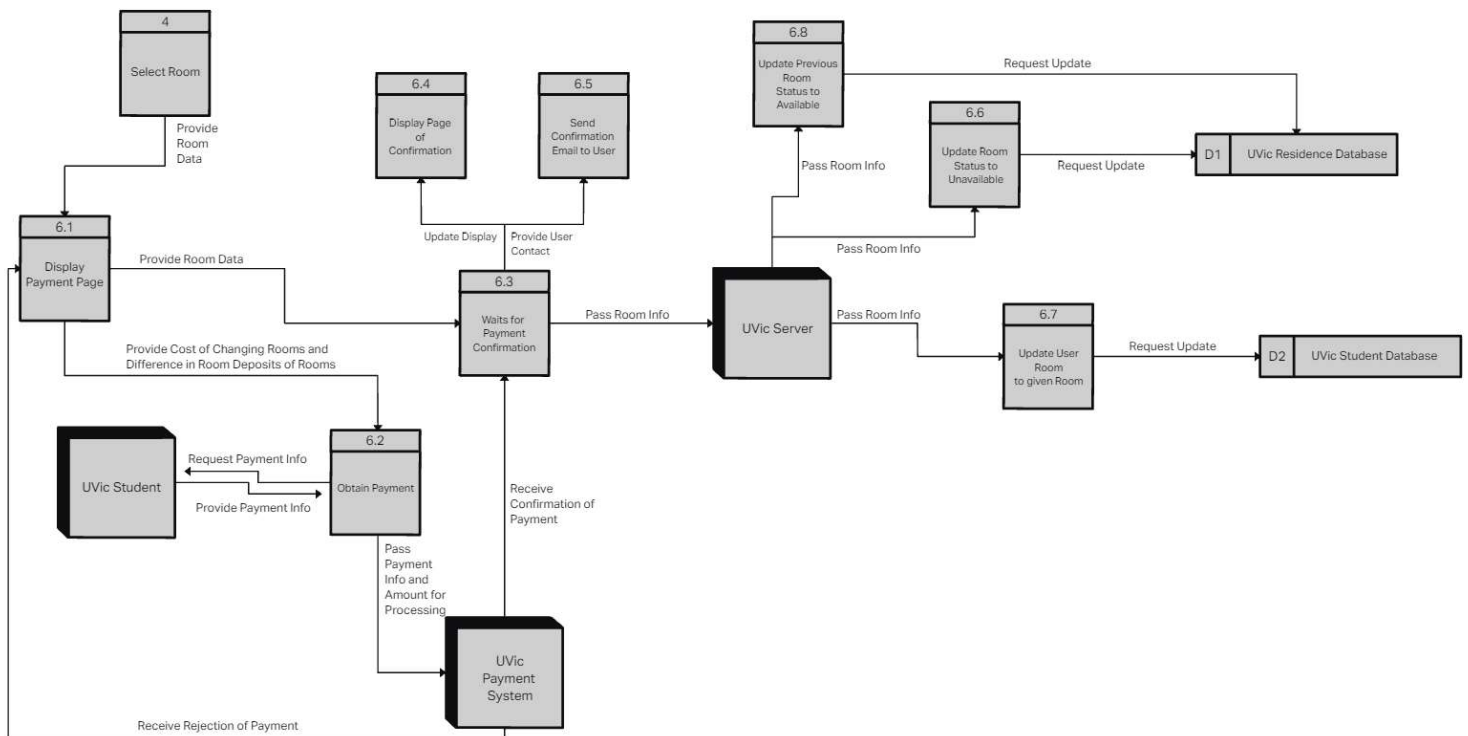


Fig. 8 *Change Booking to Selected Room* created by Myles, Amir, and Merrick