```
┌──────────────┐                                                    ┌──┬─────────────────┐
│              │                                                    │3 │  Table seating  │
│   Customer   │                                                    └──┴─────────────────┘
│              │                                                              ▲
└──────────────┘                                                              │
       │                                                              Remove table seating
       │                                                                      │
  Cancellation Request                                                        │
       │                                                                      │
       ▼                                                                      │
┌──────────────┐           ┌──────────────┐           ┌──────────────┐   ┌──────────────┐
│     3.1      │           │     3.2      │           │     3.3      │   │              │
├──────────────┤           ├──────────────┤           ├──────────────┤   │              │
│   Validate   │──Cancellation details──▶│   Update    │──Send cancellation details──▶│   Update     │   │  Restaurant  │
│ Cancellation │           │ Reservation  │           │    Table     │   │    Staff     │
│   process    │           │    status    │           │   seating    │   │              │
│              │           │              │           │              │   │              │
└──────────────┘           └──────────────┘           └──────────────┘   └──────────────┘
```

**Customer** → *Cancellation Request* → **3.1 Validate Cancellation process**

**3.1 Validate Cancellation process** → *Cancellation details* → **3.2 Update Reservation status**

**3.2 Update Reservation status** → *Send cancellation details* → **3.3 Update Table seating**

**3.3 Update Table seating** → *Remove table seating* → **3 Table seating**

**3.3 Update Table seating** → *Confirmed cancellation* → **3.4 Send Cancellation confirmation**

**3.4 Send Cancellation confirmation** → *Store confirmation* → **4 Email**

**3.4 Send Cancellation confirmation** → *Cancellation confirmation* → **Restaurant Staff**

```
┌──┬─────────────┐   ◀──Store confirmation──   ┌──────────────┐
│4 │    Email    │                             │     3.4      │
└──┴─────────────┘                             ├──────────────┤
                                               │     Send     │
                                               │ Cancellation │
                                               │ confirmation │
                                               └──────────────┘
```
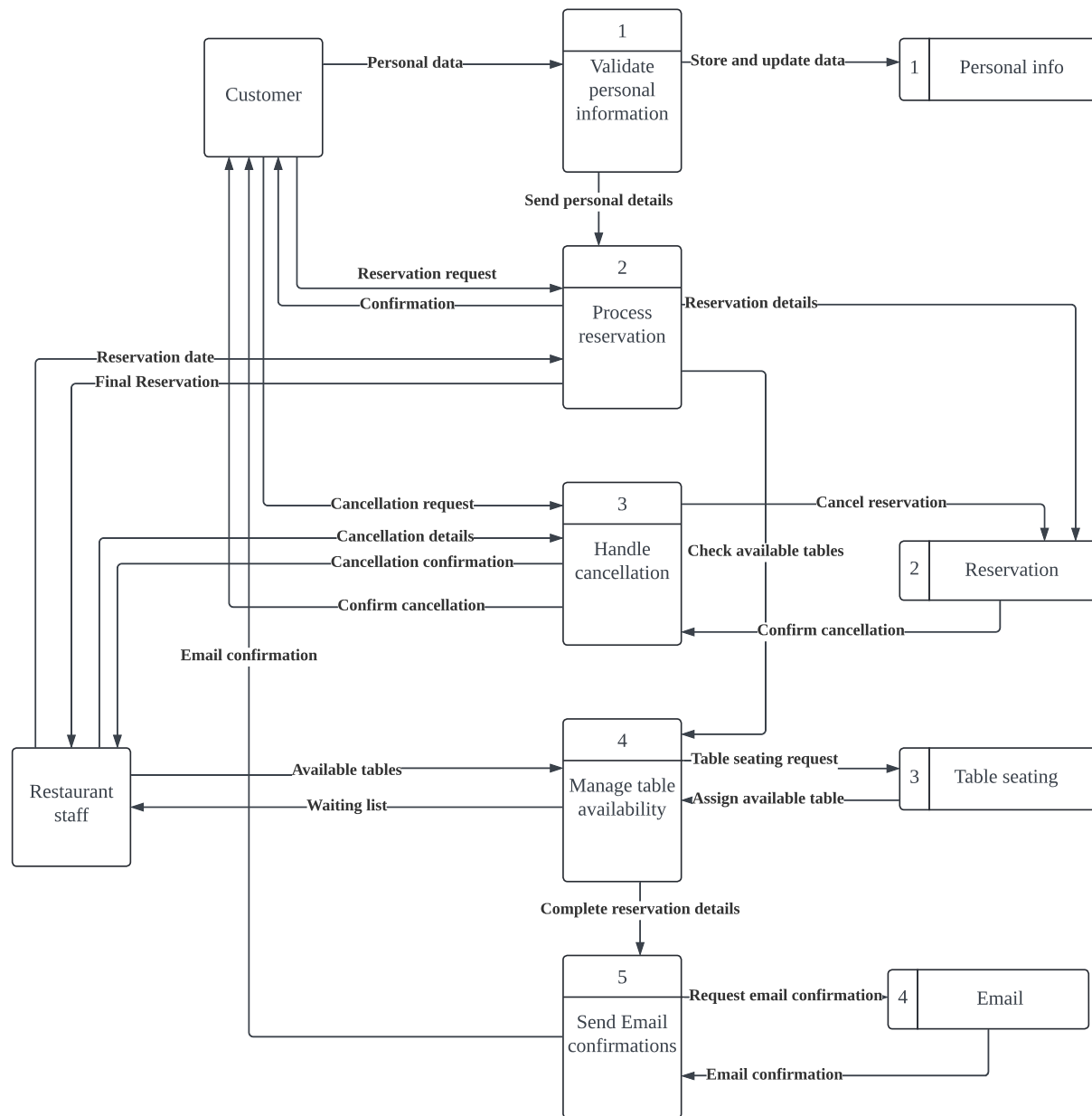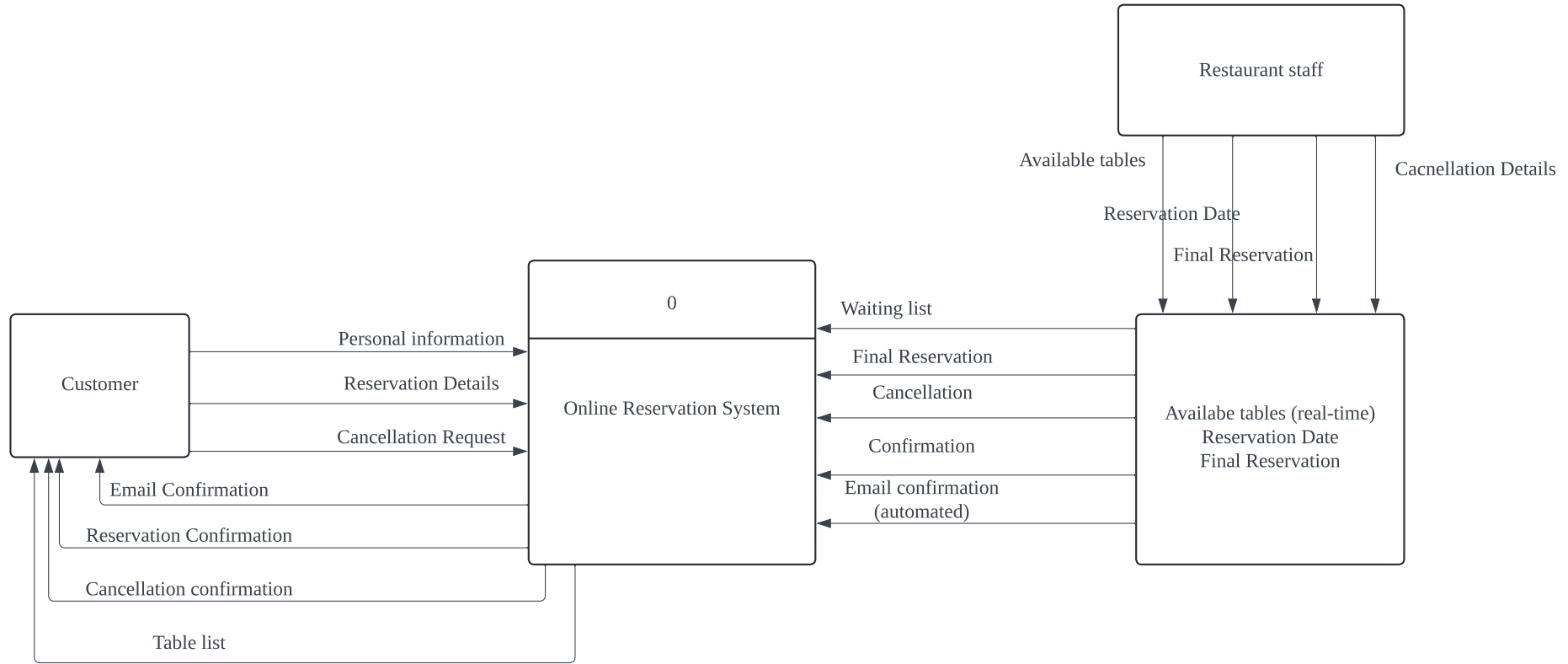
**Child Diagram (Cancellation Management)**

**Diagram 0**

| | | Restaurant staff | | |
|---|---|---|---|---|

Available tables

Reservation Date

Final Reservation

Cacnellation Details

| | 0 | | Waiting list | |
|---|---|---|---|---|

Customer

Personal information

Reservation Details

Cancellation Request

Online Reservation System

Final Reservation

Cancellation

Confirmation

Email confirmation
(automated)

Availabe tables (real-time)
Reservation Date
Final Reservation

Email Confirmation

Reservation Confirmation

Cancellation confirmation

Table list

**Logical  DFD TO-BE**