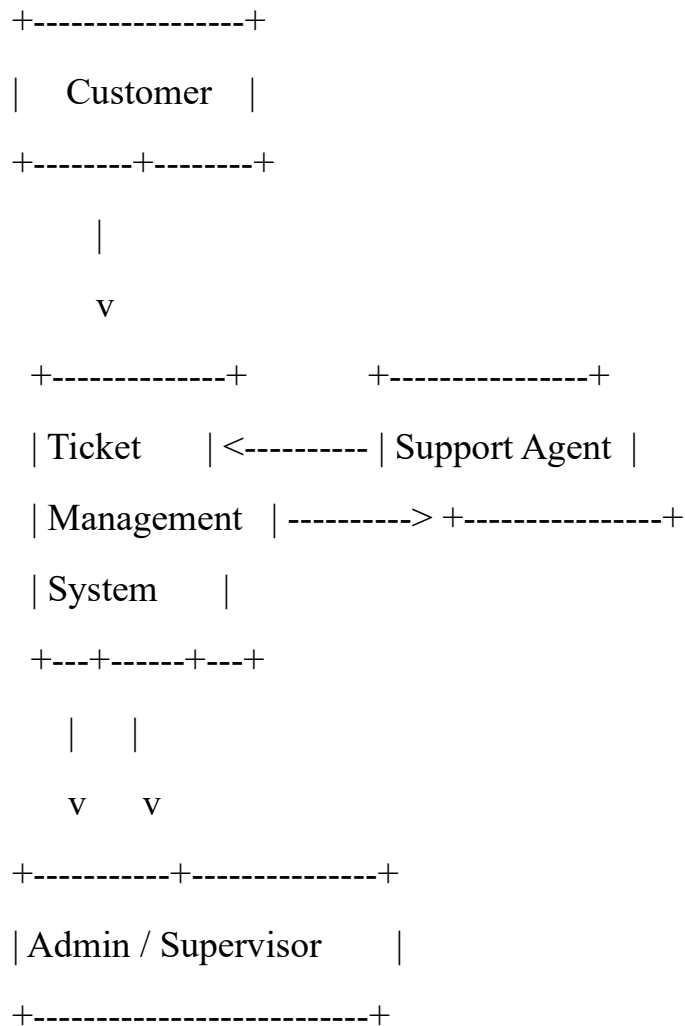
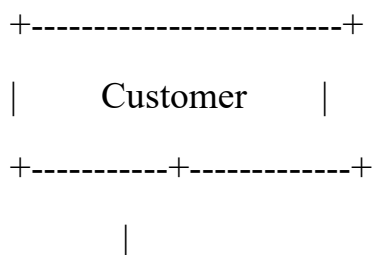


Data Flow Diagram and User Stories

Level-0 Context Diagram:



Level-1 Detailed DFD



v

(1) Submit Ticket

|

v

+-----+

| Ticket Intake |

+-----+-----+

|

v

+-----+

| Ticket Prioritization |

+-----+-----+-----+

| |

v v

+-----+ +-----+

| Auto Assignment| | Manual Assignment |

+-----+-----+ +-----+-----+

| |

v v

+-----+ +-----+

| Support Agent | | Supervisor/Admin |

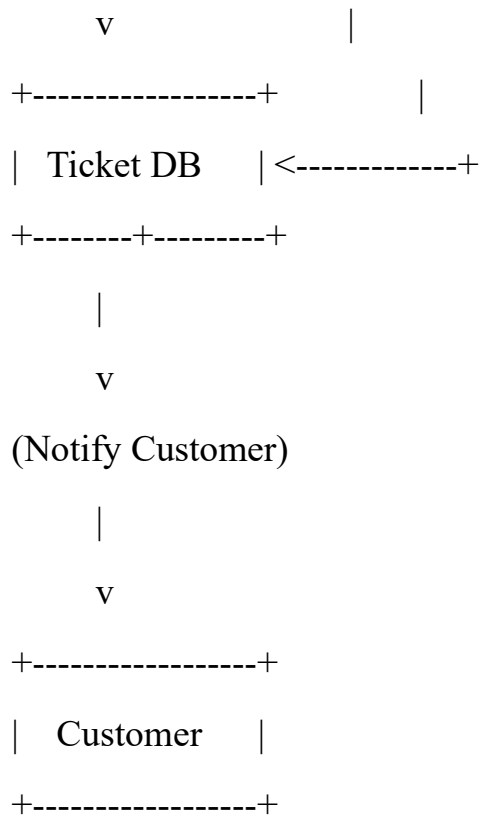
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| |

v |

(Update Status) |

| |



2) USER STORIES

Epic: Ticket Submission & Capture

1. **As a customer,**
I want to submit a ticket easily,
so that I can report issues quickly.
2. **As a customer,**
I want to receive a confirmation notification,
so I know my request is being processed.

Epic: Ticket Prioritization & Routing

- 3. As a system,**
I want to classify tickets based on severity/keywords, so they can be routed appropriately.
- 4. As an admin,**
I want to define assignment rules (priority, team, skill), so tickets go to the correct agents automatically.

5. **As a support agent,**
I want tickets prioritized in my queue,
so I can address the most important tasks first.
-

Epic: Intelligent Assignment

6. **As a system,**
I want to auto-assign tickets to available qualified agents,
to reduce delays in handling.
 7. **As a supervisor,**
I want to override assignments manually,
so I can manage special cases and workload balance.
 8. **As a support agent,**
I want to auto-receive notification of assigned tickets,
so I can respond quickly.
-

Epic: Ticket Resolution & Status Tracking

9. **As a support agent,**
I want to update ticket progress,
so customers stay informed.
 10. **As a customer,**
I want to track my ticket status,
so I know when the issue will be resolved.
 11. **As a supervisor,**
I want visibility into agent workloads,
so I can optimize resource allocation.
-

Epic: Reporting & Optimization

12. **As an admin,**
I want reports on ticket resolution times and workload,
so I can analyze performance.

13.As a supervisor,

I want alerts when SLAs are at risk,
so I can intervene before deadlines are missed.

14.As a system,

I want to maintain logs of assignments and changes,
for compliance and auditability.
