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SWENG 837

1. Identifying Classes

| **Conceptual Class Category** | **Examples** |
| --- | --- |
| Physical or Tangible Objects | Vehicle, Computer |
| Specifications, Designs or Descriptions of Things | Vehicle details, Insurance policy details |
| Places | Car rental building |
| Transactions | Reservation, Insurance |
| Transaction Line Items | Reservation payment, Insurance payment, Tax |
| Roles of People | Customer, Customer Care, Manager |
| Containers of Other Things | Lock box, cabinets |
| Things in a Container | Vehicle keys, physical reservation copies |
| Other Computers/Systems (external) | User information databases, payment company system, legal approval system. |
| Abstract Noun Concepts | Liability, Customer rights, Customer responsibilities |
| Organizations | Car rental company, Insurance company, Vehicle Manufacturers, Credit company |
| Events | Create reservation, cancel reservation, modify reservation, add insurance policy, remove insurance policy, sign contract |
| Processes | Customer eligibility approval |
| Rules and Policies | Local legal restrictions, mileage policy, gas policy, smoking policy, car condition policy. |
| Catalogs | Vehicle selection, Insurance policy selection |
| Records of Finance, Work, Contracts, Legal Matters, etc. | Reservation payments, insurance policies, legal approvals, credit reports |
| Financial Instruments and Services | Invoices |
| Manuals, Books, Documents, Reference Papers | Vehicle manuals, reservation system user guide |

2 & 3. Pruned Classes

| **Good Classes (Retained)** | **Bad Classes (Pruned)** |
| --- | --- |
| Vehicle | Physical store - Irrelevant |
| Reservation | Customer information database - Irrelevant |
| Customer | Payment type - vague |
| Invoice | Insurance add-ons - vague |
| Insurance Company | Customer comments - Irrelevant |
| Employee | Vehicle category - vague |
| Legal Contract | Reservation status - vague |
| Payment Company | Manager - Irrelevant |
| Lawyer | Receipt - Irrelevant |
| Credit Company | Payment - vague |
| Customer Care | Lock box - Irrelevant |
|  | Cabinets - Irrelevant |
|  | Tax - Irrelevant |
|  | Computer - Irrelevant |
|  | Selected vehicle - vague |
|  | Vehicle manual - Irrelevant |
|  | Vehicle keys - Irrelevant |
|  | Insurance value - Irrelevant |

4. Domain Model