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| **Paradigm** | **Task** |
| **Procedural** | Hospital Enterance, go to receptionist, confirm appointment, Wait for turn, Checkup, Take prescription from Doctor, Go to pharmacy |
| **OOP** | Patients, Doctor, Pharmacy   |  |  |  | | --- | --- | --- | | **OOPs** | **Attributes** | **Methods** | | **Patient** | * Name * Bio-History * Medical detail | * Department() * Currentstatus() * Routinecheckup() | | **Doctor** | * Name * Department * Status | * Patient History() * Checkup() * Prescription() | | **Pharmacy** | * location * Pharmacy-id * Medicine inventory | * Inventory() * Medicine-Availability() * Generate-bill() | |
| **Functional** | Collect all medical reports using **Map**. **Filter** them according to today’s appointment. |
| **Declarative** | Show me list of toady’s surgery. |
| **Logic** | “If patients condition is normal than discharge them else admit them” |
| **Event-Driven** | System send report Doctor and patient both notify them. |
| **Concurrent** | Multiple patients are visiting hospital at the hospital |

**Real Examples:**

1. **Person**

**Attributes:** Name , Age, Gender, Voice

**Methods:** Speak(), Walk(), Eat()

1. **Doctor**

**Attributes:** Name, Department, Status

**Methods:** Patient History(), Checkup(), prescription()

1. **Bank**

**Attributes:** Account-number, balance, Account-Holder

**Methods:** deposit(), check-balance(), transfer()