Defect/Bug Life Cycle in Software Testing

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                    ┌──────────┐
                    │   New    │
                    └──────────┘
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                         ▼
                    ┌──────────┐
                    │  Assign  │
                    └──────────┘
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                         ▼
    ┌──────────────▶┌──────────┐──────────────┬──────────────┬──────────────┐
    │               │   Open   │               │              │              │
    │               └──────────┘               ▼              ▼              ▼
    │                    │               ┌───────────┐  ┌───────────┐  ┌───────────┐
    │                    ▼               │ Duplicate │  │ Rejected  │  │  Defered  │
    │               ┌──────────┐         └───────────┘  └───────────┘  └───────────┘
    │               │  Fixed   │               │              │              │
    │               └──────────┘               │              │              ▼
    │                    │                      │              │       ┌──────────────┐
    │                    ▼                      │              │       │ Next Release │
    │          ┌─────────────────┐             │              │       └──────────────┘
    │          │  Pending Retest │             │              │
    │          └─────────────────┘             │              │
    │                    │                      │              │
    │                    ▼                      │              │
┌──────────┐     ┌──────────┐                  │              │
│ Reopened │◀────│   Test   │                  │              │
└──────────┘     └──────────┘                  │              │
                       │                        │              │
                       ▼                        │              │
                  ┌──────────┐                  │              │
                  │ verified │                  │              │
                  └──────────┘                  │              │
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                       ▼                        │              │
                  ┌──────────┐◀─────────────────┘              │
                  │  closed  │◀───────────────────────────────┘
                  └──────────┘
```
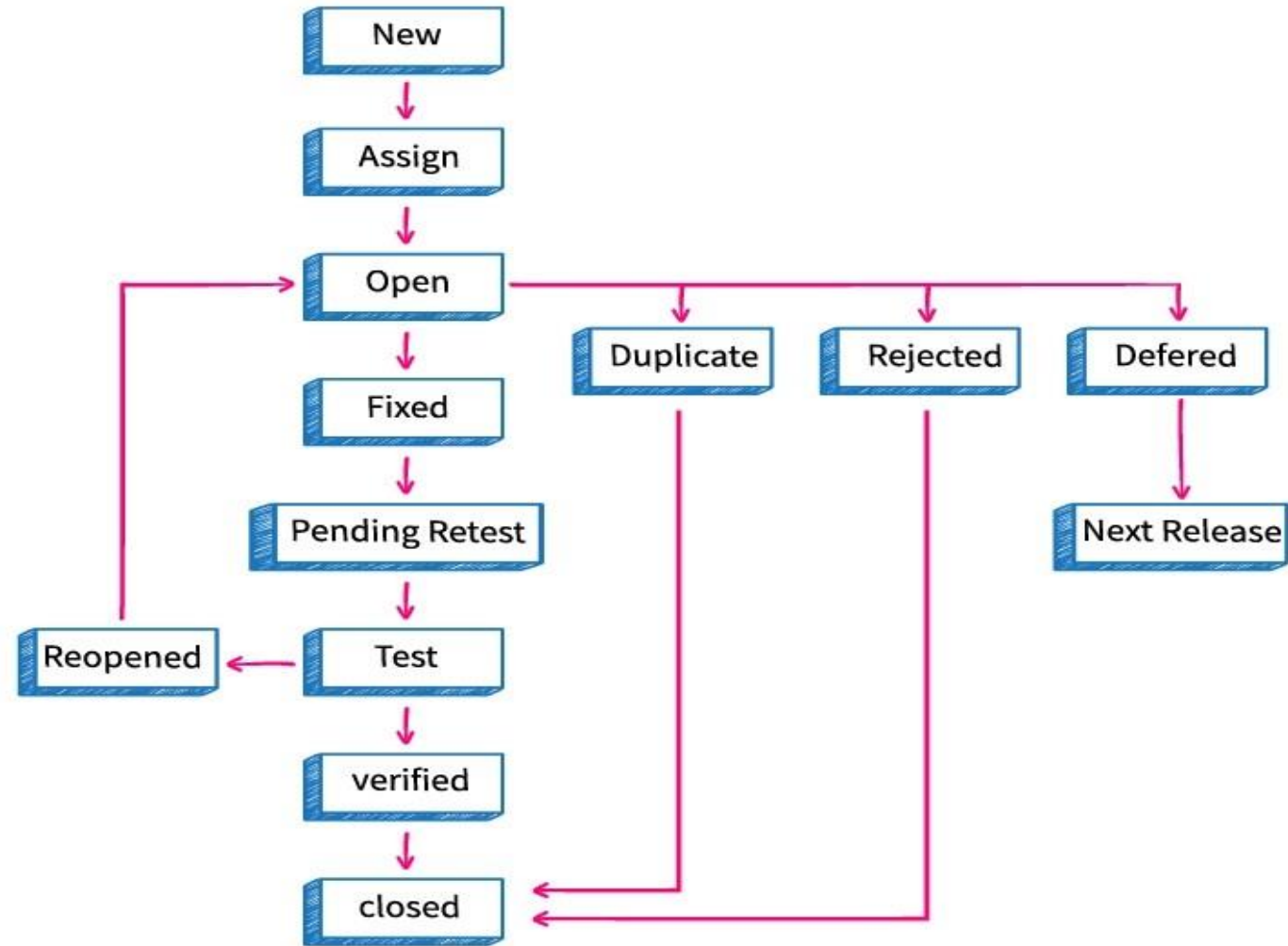
- There are two major people during any Software development process:
- **Software Developer:** The one who designs and implements the code.
- **Software Tester:** The one whose role is to find as many bugs as possible in the software and to open that bug for fixing it in the Defect Life Cycle.