Main.java UML State Machine

```
●  →  ┌─────────────────┐   Successful call to access   ┌─────────────┐        KDT<Record>()        ┌──────────────────┐
       │ Fish Logo on    │   BioTree from disk           │ BioTree on  │ ──────────────────────────→ │ KDT of records   │
       │ console         │ ────────────────────────────→ │ disk        │                             │ exists           │
       └─────────────────┘                               └─────────────┘                             └──────────────────┘
```

Exception raised when accessing BioTree from disk

Save serialized BioTree to disk

fileProcessor.init()

┌─────────────────┐   fileProcessor.init()   ┌─────────────┐
│ Serialized data │ ───────────────────────────→ │ BioTree   │
│ does not exist │   │ exists   │
└─────────────────┘   └─────────────┘

init()

┌──────┐
│ Idle │
└──────┘

User types "exit"

User issues record command

User issues tree command

┌──────────────────┐   User types "list"   ┌──────────────────┐
│ Records listed   │ ←───────────────────── │ User prompt for │
│ on console   │   │ display option   │
└──────────────────┘   │ of record data   │
                                            └──────────────────┘

┌──────────────────┐   User types "sum"   ┌──────────────────┐
│ Sum of search   │ ←───────────────────── │ BasicSearchResult│
│ hits appears   │   │ populated with   │
│ on console   │   │ desired records │
└──────────────────┘   └──────────────────┘

┌──────────────────┐   User types "histogram"
│ Histogram appears│ ←─────────────────────
│ on console   │
└──────────────────┘

┌──────────────────┐   User issues cluster command
│ Connected   │ ←── with a specified area
└──────────────────┘

┌──────────────────┐
│ BioTree appears │
│ on console   │
└──────────────────┘