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Awesome Mermaid Diagrams

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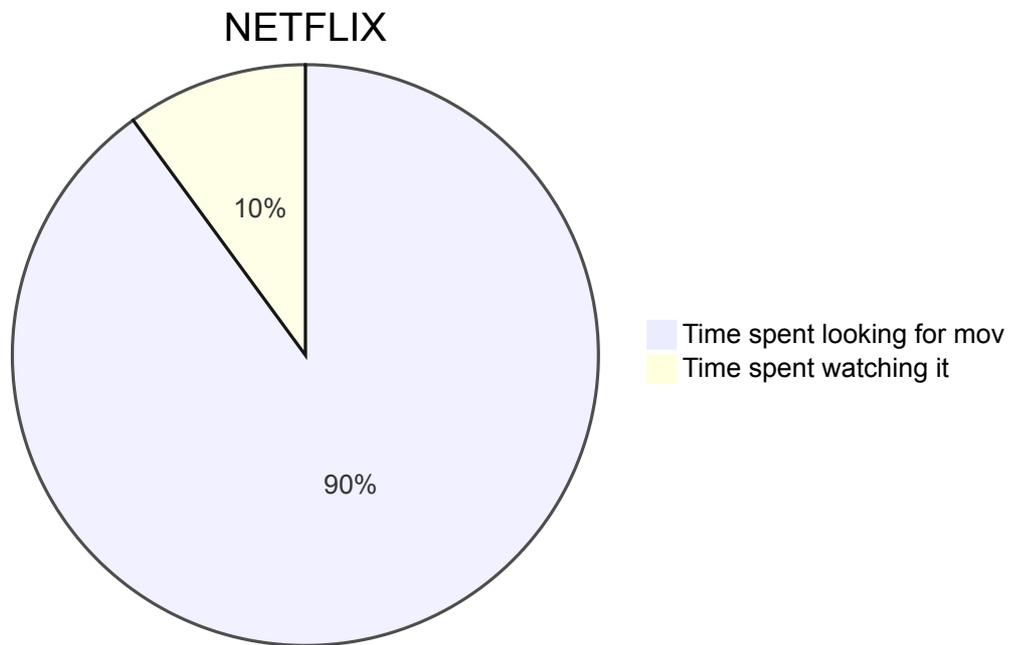
Generating Mermaid Diagrams

Converting code block which has a keyword `mermaid` to a diagram with `svg` format.

Examples

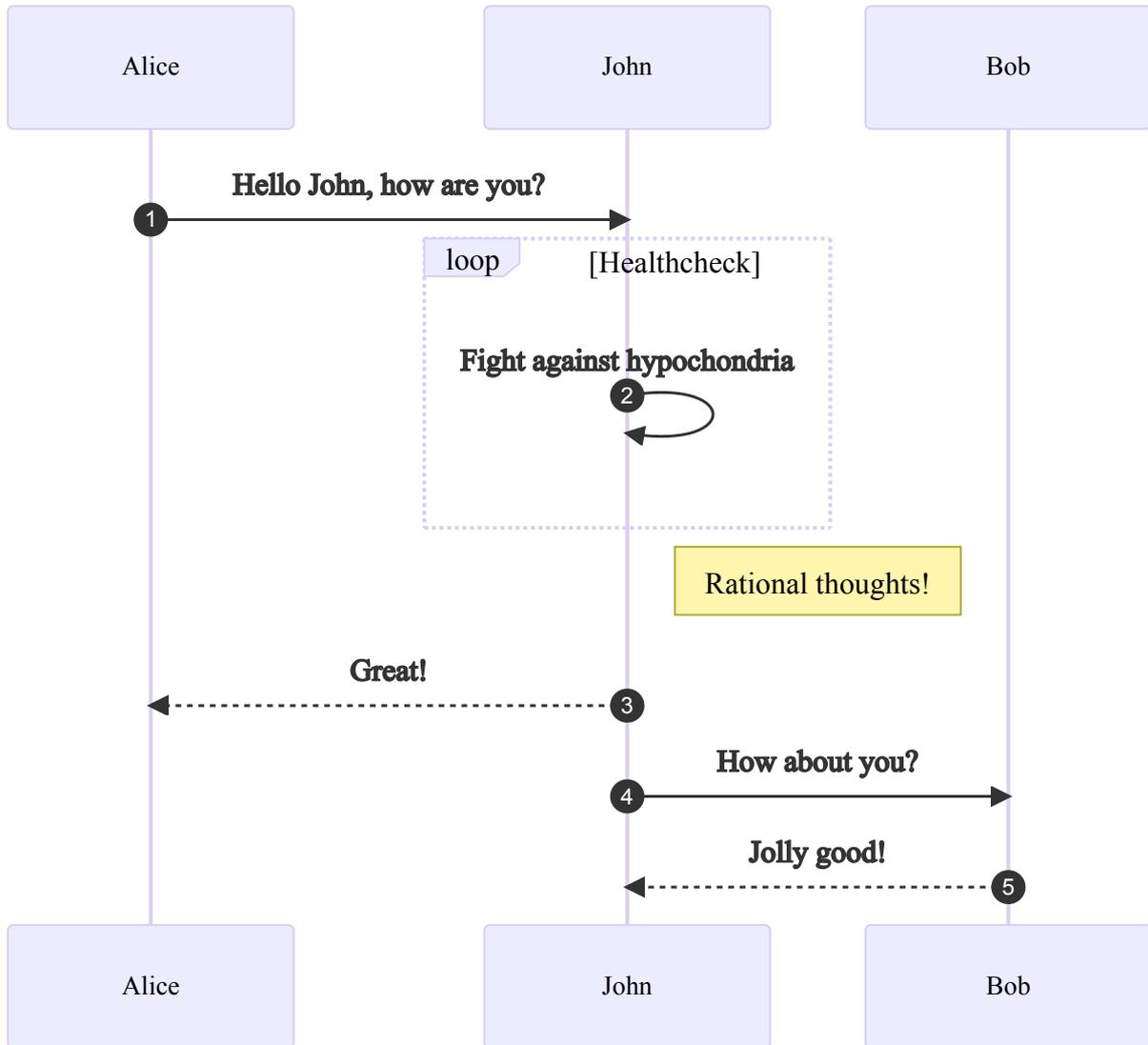
Basic Pie Chart

```
```mermaid
pie title NETFLIX
 "Time spent looking for movie" : 90
 "Time spent watching it" : 10
```
```



Basic sequence diagram

```
```mermaid
sequenceDiagram
 autonumber
 Alice->>John: Hello John, how are you?
 loop Healthcheck
 John->>John: Fight against hypochondria
 end
 Note right of John: Rational thoughts!
 John-->>Alice: Great!
 John->>Bob: How about you?
 Bob-->>John: Jolly good!
```
```

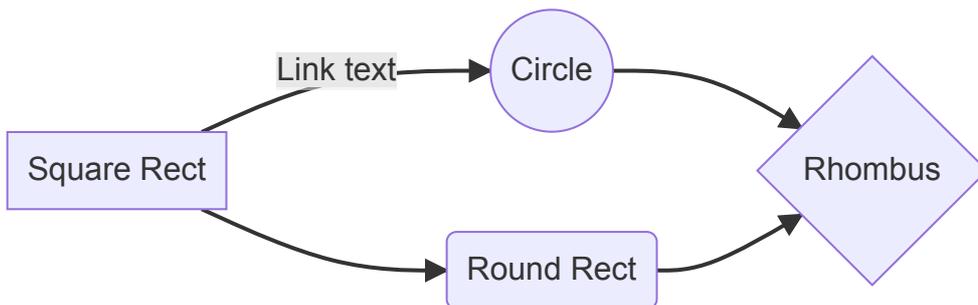


Basic flowchart

```

```mermaid
graph LR
 A[Square Rect] -- Link text --> B((Circle))
 A --> C[Round Rect]
 B --> D{Rhombus}
 C --> D
  ```

```



Larger flowchart with some styling

```

```mermaid
graph TB
 sq[Square shape] --> ci((Circle shape))

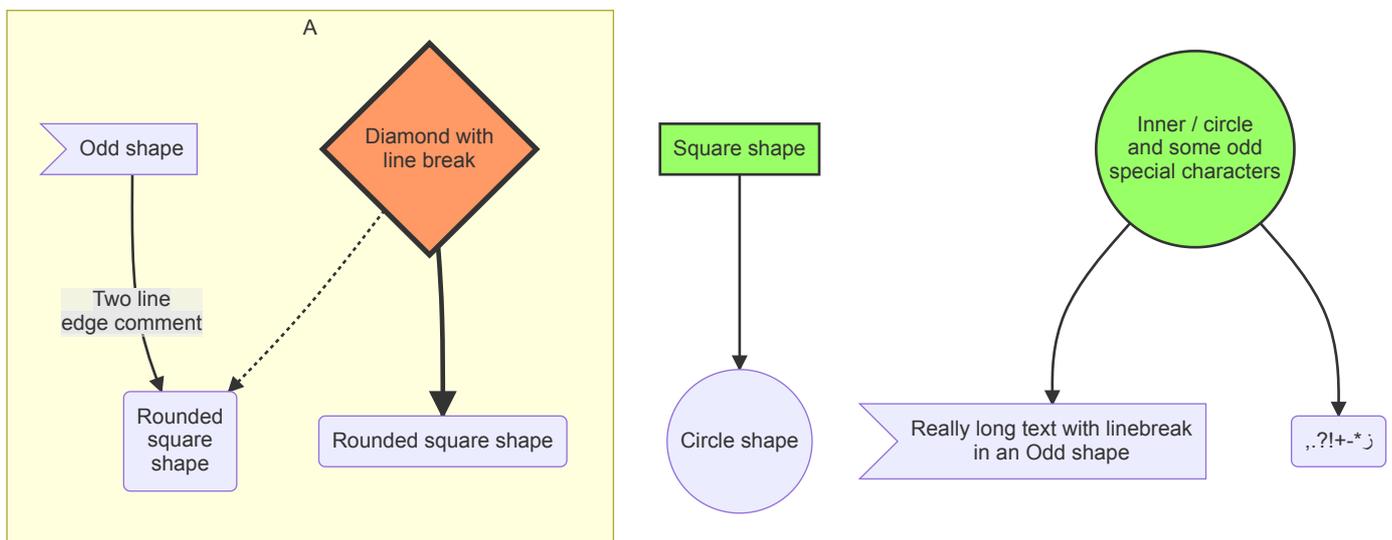
 subgraph A
 od>Odd shape]-- Two line
 edge comment --> ro
 di{Diamond with
 line break} -.-> ro(Rounded
 square
 shape)
 di==>ro2(Rounded square shape)
 end

 %% Notice that no text in shape are added here instead that is appended further down
 e --> od3>Really long text with linebreak
 in an Odd shape]

 %% Comments after double percent signs
 e((Inner / circle
 and some odd
 special characters)) --> f(,?!+~*;)

 classDef green fill:#9f6,stroke:#333,stroke-width:2px;
 classDef orange fill:#f96,stroke:#333,stroke-width:4px;
 class sq,e green
 class di orange
 ...

```



## User Journey Diagram

```

```mermaid
journey
  title My working day
  section Go to work

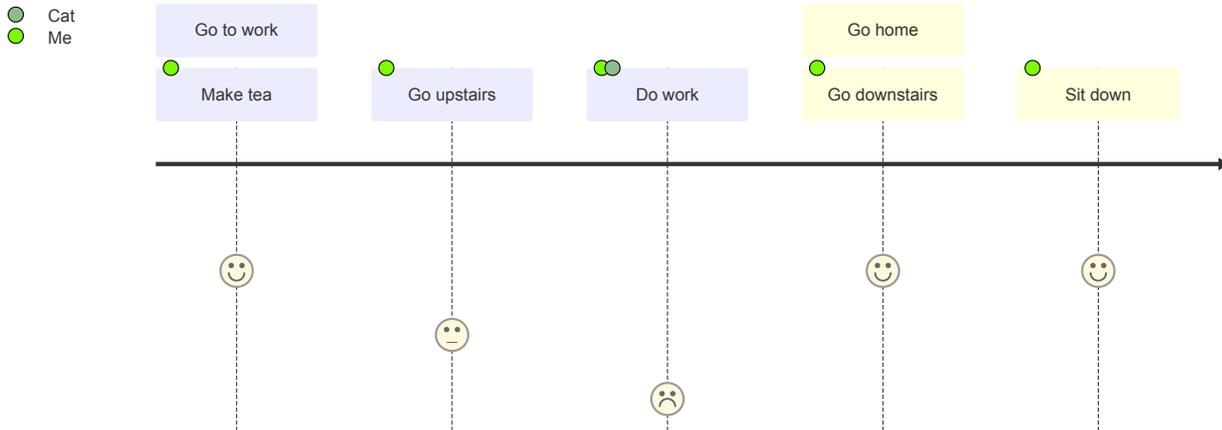
```

```

Make tea: 5: Me
Go upstairs: 3: Me
Do work: 1: Me, Cat
section Go home
Go downstairs: 5: Me
Sit down: 5: Me
...

```

My working day



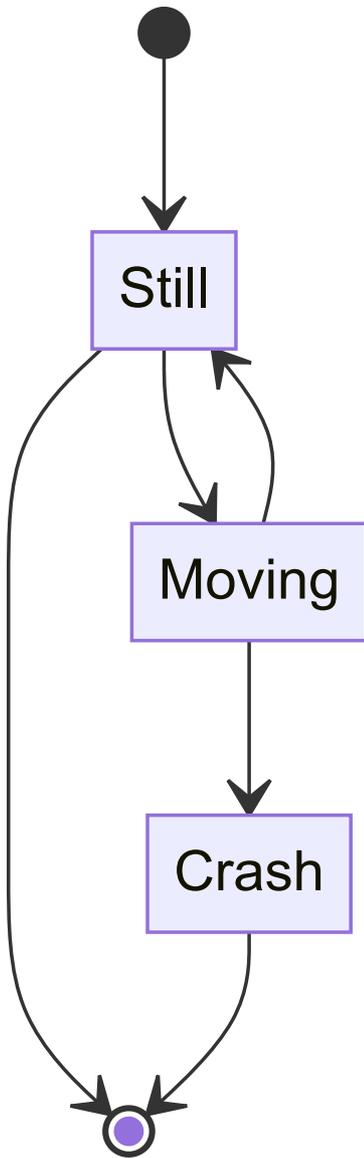
State diagrams

```

```mermaid
stateDiagram-v2
 [*] --> Still
 Still --> [*]

 Still --> Moving
 Moving --> Still
 Moving --> Crash
 Crash --> [*]
...

```



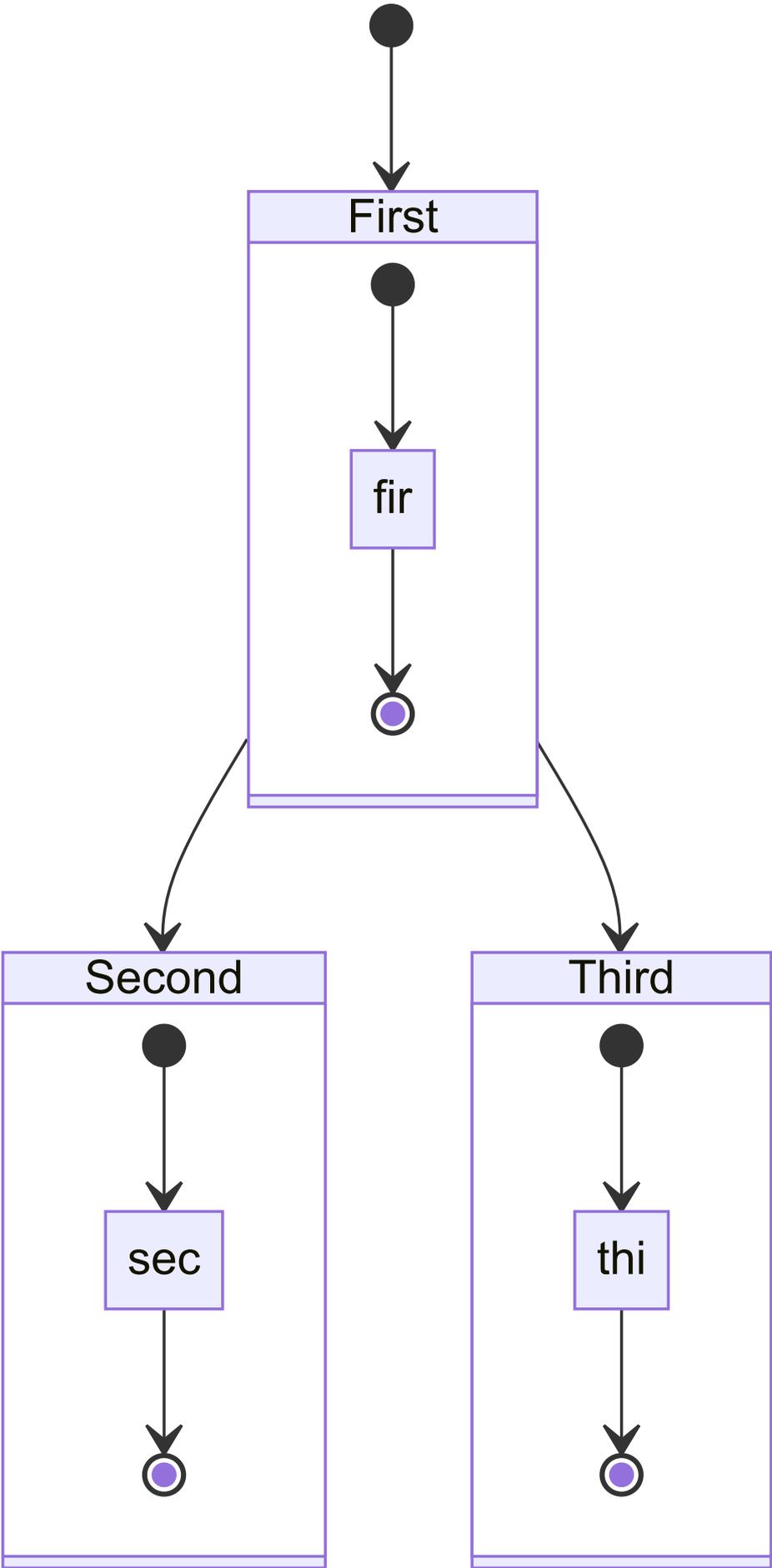
## Composite state diagram

```

```mermaid
stateDiagram-v2
  [*] --> First
  First --> Second
  First --> Third

  state First {
    [*] --> fir
    fir --> [*]
  }
  state Second {
    [*] --> sec
    sec --> [*]
  }
  state Third {
    [*] --> thi
    thi --> [*]
  }
  ...
```

```



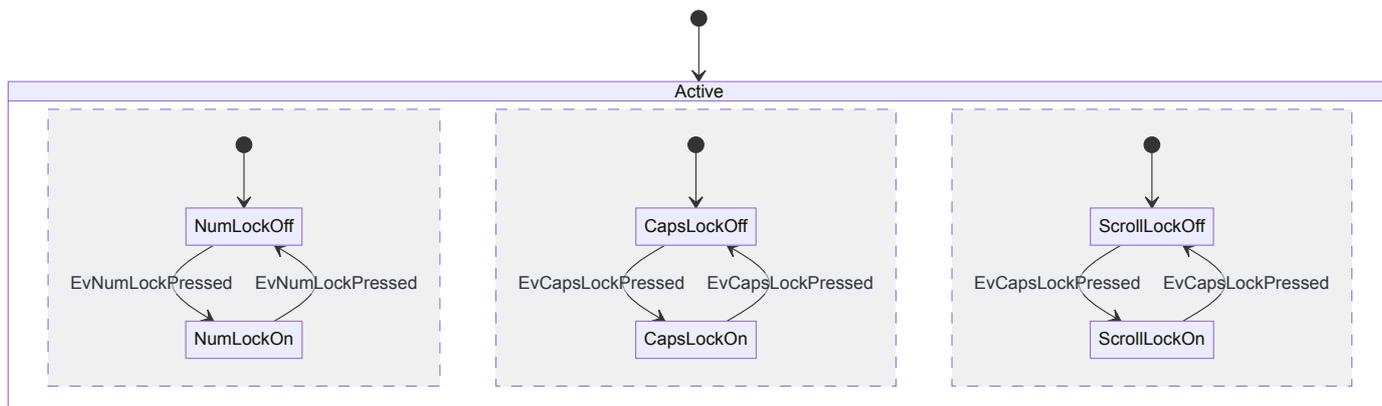
## Concurrency

```

``mermaid
stateDiagram-v2
 [*] --> Active

 state Active {
 [*] --> NumLockOff
 NumLockOff --> NumLockOn : EvNumLockPressed
 NumLockOn --> NumLockOff : EvNumLockPressed
 --
 [*] --> CapsLockOff
 CapsLockOff --> CapsLockOn : EvCapsLockPressed
 CapsLockOn --> CapsLockOff : EvCapsLockPressed
 --
 [*] --> ScrollLockOff
 ScrollLockOff --> ScrollLockOn : EvCapsLockPressed
 ScrollLockOn --> ScrollLockOff : EvCapsLockPressed
 }
 ...

```



## Gantt

```

``mermaid
gantt
 dateFormat :YYYY-MM-DD
 title :Adding GANTT diagram functionality to mermaid
 excludes :excludes the named dates/days from being included in a charted task

 section A section
 Completed task :done, des1, 2014-01-06,2014-01-08
 Active task :active, des2, 2014-01-09, 3d
 Future task : des3, after des2, 5d
 Future task2 : des4, after des3, 5d

 section Critical tasks
 Completed task in the critical line :crit, done, 2014-01-06,24h
 Implement parser and json :crit, done, after des1, 2d
 Create tests for parser :crit, active, 3d
 Future task in critical line :crit, 5d
 Create tests for renderer :2d
 Add to mermaid :1d

```

```

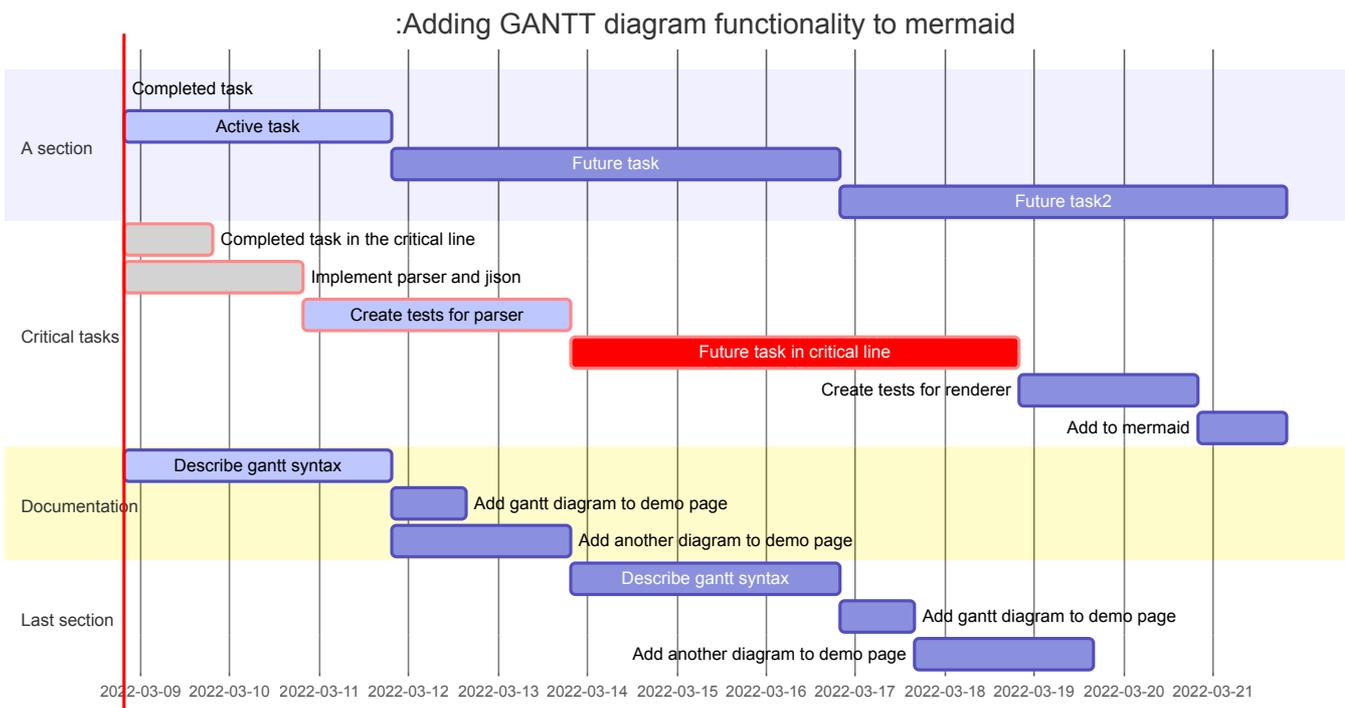
section Documentation
Describe gantt syntax :active, a1, after des1, 3d
Add gantt diagram to demo page :after a1 , 20h
Add another diagram to demo page :doc1, after a1 , 48h

```

```

section Last section
Describe gantt syntax :after doc1, 3d
Add gantt diagram to demo page :20h
Add another diagram to demo page :48h
...

```

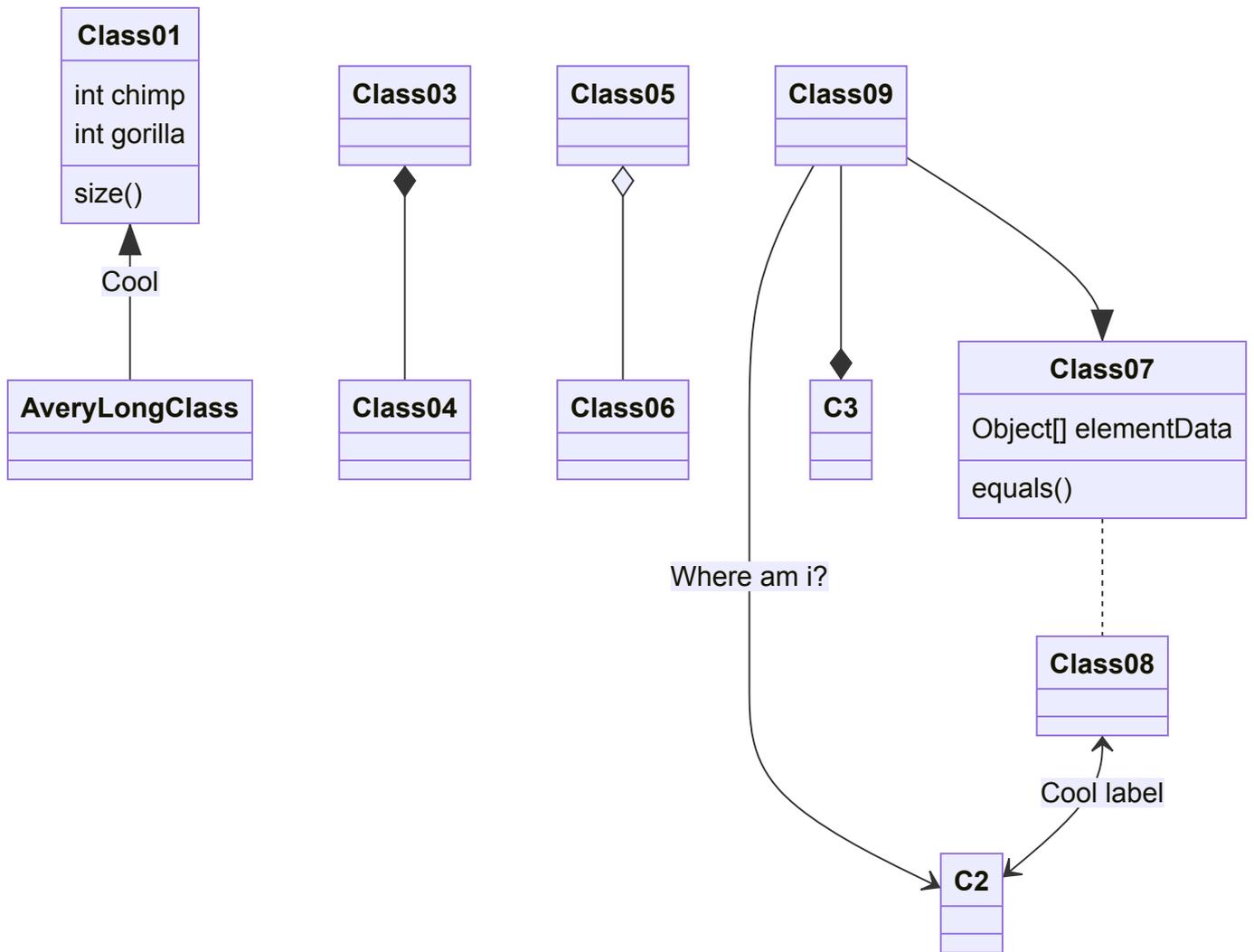


## Class

```

```mermaid
classDiagram
    Class01 <|-- AveryLongClass : Cool
    Class03 *-- Class04
    Class05 o-- Class06
    Class07 .. Class08
    Class09 --> C2 : Where am i?
    Class09 --* C3
    Class09 --|> Class07
    Class07 : equals()
    Class07 : Object[] elementData
    Class01 : size()
    Class01 : int chimp
    Class01 : int gorilla
    Class08 <--> C2: Cool label
...

```



Git

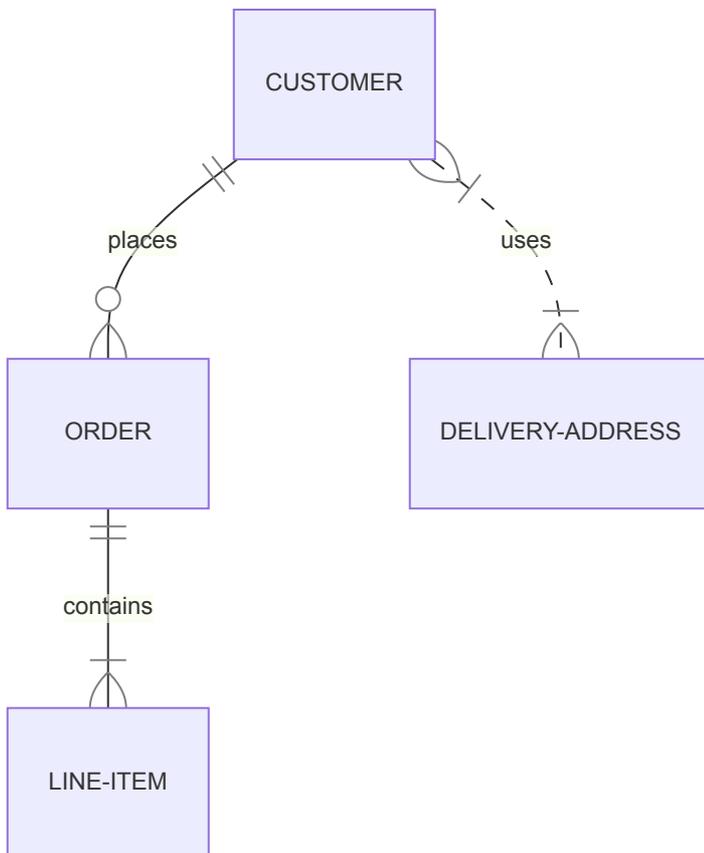
```

```mermaid
gitGraph:
 options
 {
 "nodeSpacing": 150,
 "nodeRadius": 5
 }
 end
 commit
 branch newbranch
 checkout newbranch
 commit
 commit
 checkout master
 commit
 commit
 merge newbranch
```

```

ERDiagram

```
```mermaid
erDiagram
 CUSTOMER ||--o{ ORDER : places
 ORDER ||--|{ LINE-ITEM : contains
 CUSTOMER }|..|{ DELIVERY-ADDRESS : uses
```
```



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