

## Flowchart

### Graph Name: Flowchart

```
flowchart TD
    A[Start] --> B[Step 1]
    B --> C[Step 2]
    C --> D[End]
```

## Sequence Diagram

### Graph Name: Sequence Diagram

```
sequenceDiagram
    participant User
    participant WebApp
    participant Database

    User->>WebApp: Login request
    WebApp->>Database: Query user data
    Database-->>WebApp: Return user data
    WebApp-->>User: Login success
```

## Class Diagram

### Graph Name: Class Diagram

```
classDiagram
    Class01 <|-- AveryLongClass : Cool
    Class01 : size
    Class01 : int chimp
    Class01 : String gorilla
    Class01 : int calculate()
```

## State Diagram

### Graph Name: State Diagram

```
stateDiagram-v2
    [*] --> Still
    Still --> [*]
    Still --> Moving
    Moving --> Still
    Moving --> Crash
    Crash --> [*]
```

## Entity Relationship Diagram

### Graph Name: Entity Relationship Diagram

```
erDiagram
    CUSTOMER ||--o{ ORDER : places
    ORDER ||--|{ LINE-ITEM : contains
    CUSTOMER {
        string name
        string address
    }
    ORDER {
        int orderNumber
        date orderDate
    }
    LINE-ITEM {
        int quantity
        float price
    }
```

## Gantt Chart

### Graph Name: Gantt Chart

```
gantt
    title A Gantt Diagram
    dateFormat YYYY-MM-DD
    section Section
    A task :a1, 2023-01-01, 30d
    Another task :after a1, 20d
    section Another
    Task in sec:2023-02-01 , 20d
    another task: 24d
```

## Pie Chart

### Graph Name: Pie Chart

```
pie
    title Pie Chart
    "Apple" : 40
    "Banana" : 30
    "Cherry" : 30
```

## **Journey Diagram**

### **Graph Name: User Journey**

```
journey
  title User Journey
  section A Section
    Step1: 5: User does action
    Step2: 4: User performs another action
    Step3: 3: User completes the process
```

## **Requirement Diagram**

### **Graph Name: Requirement Diagram**

```
requirementDiagram
  requirement testReq {
    id: 1
    type: Functional
    text: This is a test requirement
  }
  functionalRequirement testReq --|> testCase
```

## **Gitgraph Diagram**

### **Graph Name: Gitgraph Diagram**

```
gitGraph
  commit
  commit
  branch develop
  checkout develop
  commit
  commit
  checkout main
  merge develop
  commit
```