

Tikz package to draw flow diagram:flowdia

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1 Introduction

This is a small documentation for the package built to draw flow diagrams.

1.1 About

This package provides a 1 macro for drawing diagrams which require to depict flow between various objects, entities which fall under various domains such as medical, management, etc. The package will make drawing such diagrams easy for such non-engineering domain people.

1.2 Loading the package

`\usepackage{flowdia}` TikZ will be automatically loaded

1.3 Requirements

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- tikz version above 2
- xstring

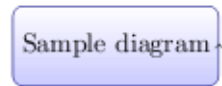
2 Options

There are few styles defined for drawing nodes and one style for drawing arrow. For defining above styles command used is `\tikzstyle`.

The list is as follows:

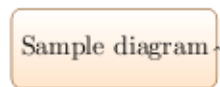
- `rectb`
It draws a rectangular node with
'top color=white, bottom color=blue!30, draw=blue!50!black!100, thin, rounded

corners, minimum width=5em,minimum height=3em,text centered'



- recto

It draws rectangular node with above options except for the color which

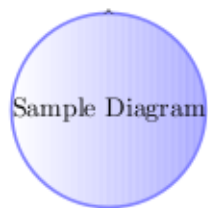


is orange.

- cirb

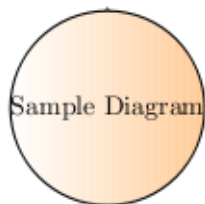
It draws circular node with

'draw=blue!50,very thick,left color=white,right color=blue!40,inner sep=0pt,minimum size=5mm'



- ciro

It draws circular node with above options except for the color which is



orange.

- arrowp

It draws arrows with

,thick,shorten =2pt

3 Usage

To use this package we have to include this package. Then to draw the diagram we have to say `\mydia{ }{ }`

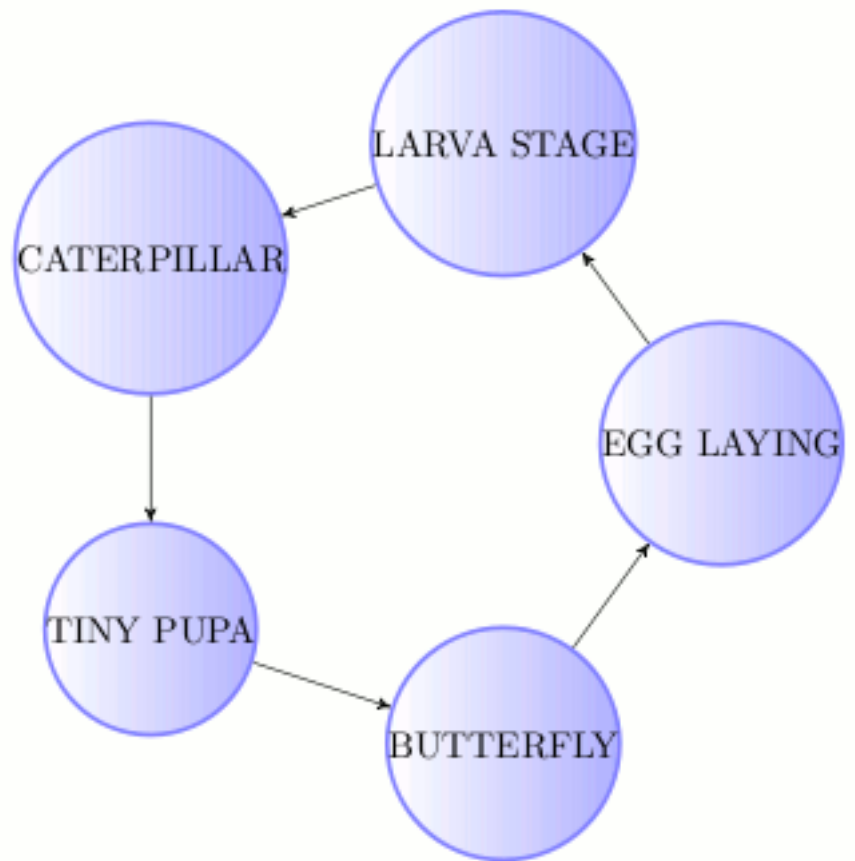
First curly brace has triplets of the form `node(shape+color),text` to be written inside the node, `text` to be written on the edge. These triplets should be separated by comma and inside triplet use `/` as delimiter. If you don't have text inside or on edge, keep it blank. The example will explain it further.

4 Example

More examples are provided in pdf file in src folder.

This shows one example of command:

```
1. \begin{tikzpicture}[node distance=8cm]
\mydia{cirb/EGG LAYING/,cirb/LARVA STAGE/,cirb/CATERPILLAR/,cirb/
TINY PUPA/,cirb/BUTTERFLY/}{5}
\end{tikzpicture}
```



THE LIFE CYCLE OF BUTTERFLY