**Flow Chart**

**1.student**

**Log Out**

Book report

**Home**

**Library management**

**logout**

**My report**

**My account**

**Login**

**PANALTY report**

**My account**

**Register**

1. **Admin**

**Add student**

**Add branch**

**Add book**

**Add publication**

**Home**

**Logout**

**Library management**

**Bar Chart**

**Time Line**

**Gantt Chart**

**Data Flow Diagram**

Database of data store

Process of data

Input and output data

Flow Of Data

What is data flow diagram?

* + Data flow diagram show the way of information flow through a process or system.
  + It includes data input and output, data store, and various of processes the data moves through.
  + Data flow diagram visually represents systems and processes that would be describe in a chunk of text.

**Symbols of data flow diagram**

student:

0 level data flow diagram

1st level data flow diagram

**student**

**book**

**student**

**student**

**rent**

librarian:

0 level data flow diagram

**1st** level data flow diagram

**book**

**publication**

**librarian**

**admin**

**students**

**branch**

**Use case diagram**

**logout**

**Penalty report**

**My report**

**Login**

**Home**

**My account**

**Book report**

**Borrow book**

**Return book**

**Logout**

**Add branch**

**Book report**

**Login**

**Add publication**

**Add book**

**Add student**

**Student report**

**panalty**