Logical Architecture Modeling of the System

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Tool for Logical Architecture Modeling

For designing the logical architecture model, Vincito crew has decided to use **Gliffy** tool.

Gliffy is an online diagram editor. Flowcharts, network diagrams, floor plans, user interface design and technical drawings can be drawn by using Gliffy tool. Users can save their diagrams which are drawn, into their machines under .gliffy extension or as an image file. This tool is low cost and good for business and personal use. In gliffy tool, there are three main areas named toolbar, shape library and drawing stage. These parts make it easy to create relevant diagrams in appropriate manner.
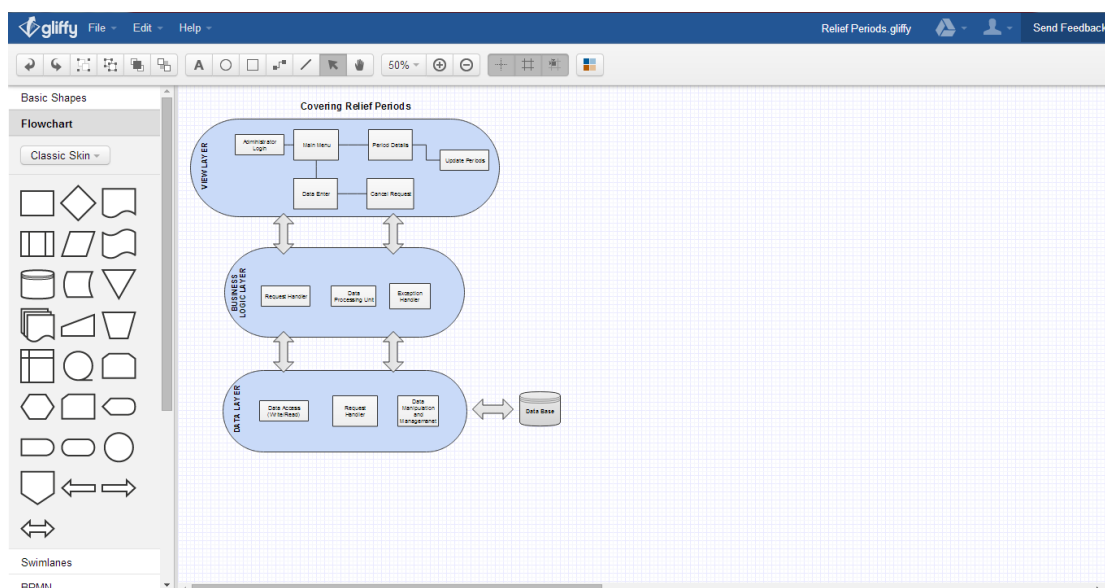

Figure Example of layer view diagram.

The layer view diagram of the system can be documented as above by using this tool.

Justifications

Administration

Control the process and interactions with other logical cases, currently main character in the architecture.

Leave management

Processing and managing leave of the staff is essential in order to have better performance and best throughout of the school.

Teacher's data

Provide data and information to process leave management and relief period covering.

Report generation

Generate necessary reports corresponding to temporary and official requirements, especially to send reports for the zonal education office.

Payment and fund handling

Fund handling is necessary to maintain finance affairs and funds to gather future developments of the school.

Subjects and evaluation criteria management

Main purpose of the school is to provide education for the students, subjects and evaluation criteria is major parts of the school system.

Student performance data and results

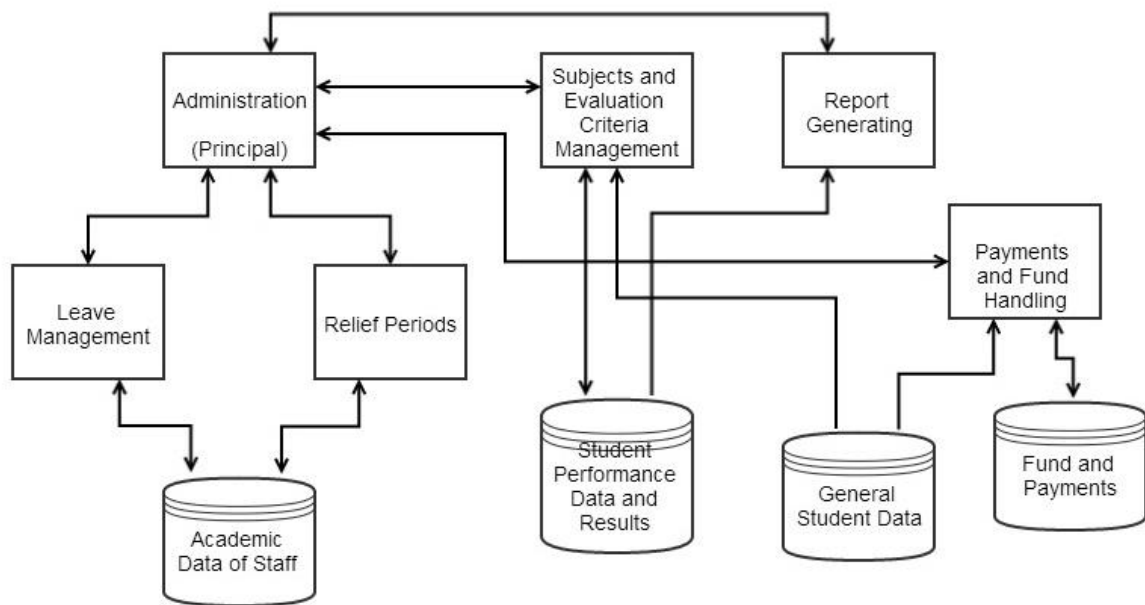Keep track of progress of the students to achieve future decisions and activities.

General student data

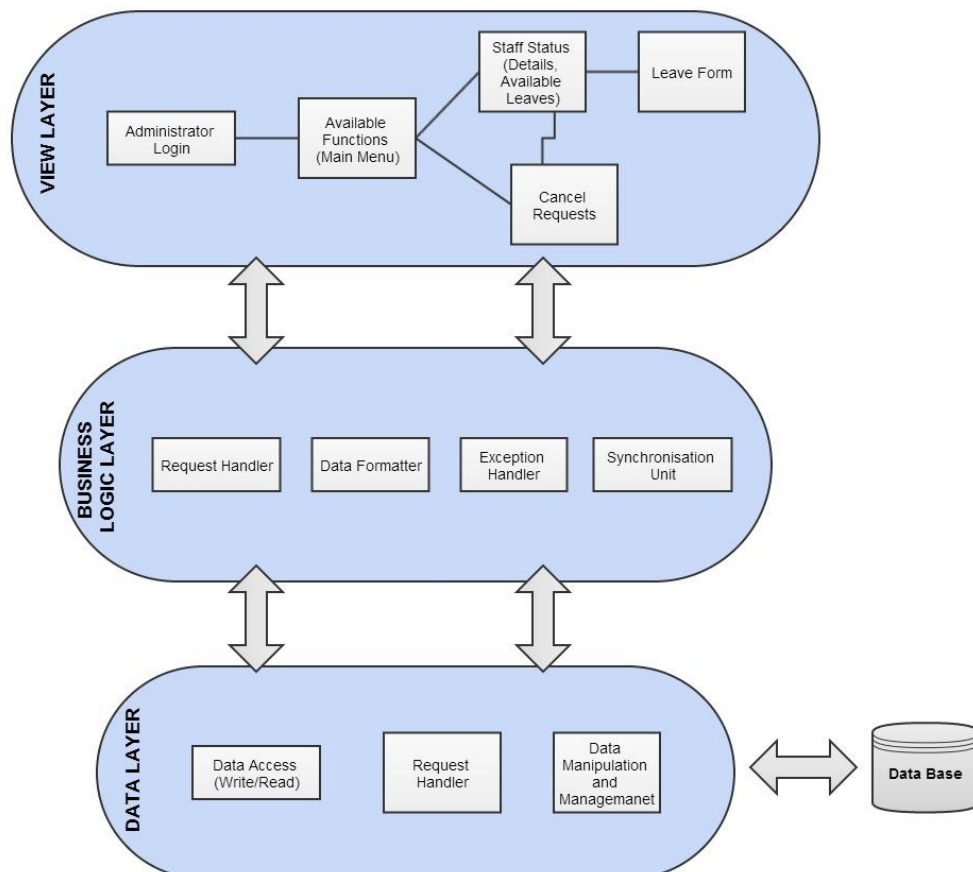Keep track of students for the ease of management.

Fund and payments

Keep fund and deposits up to date and keep every detail of transactions happens in the school.
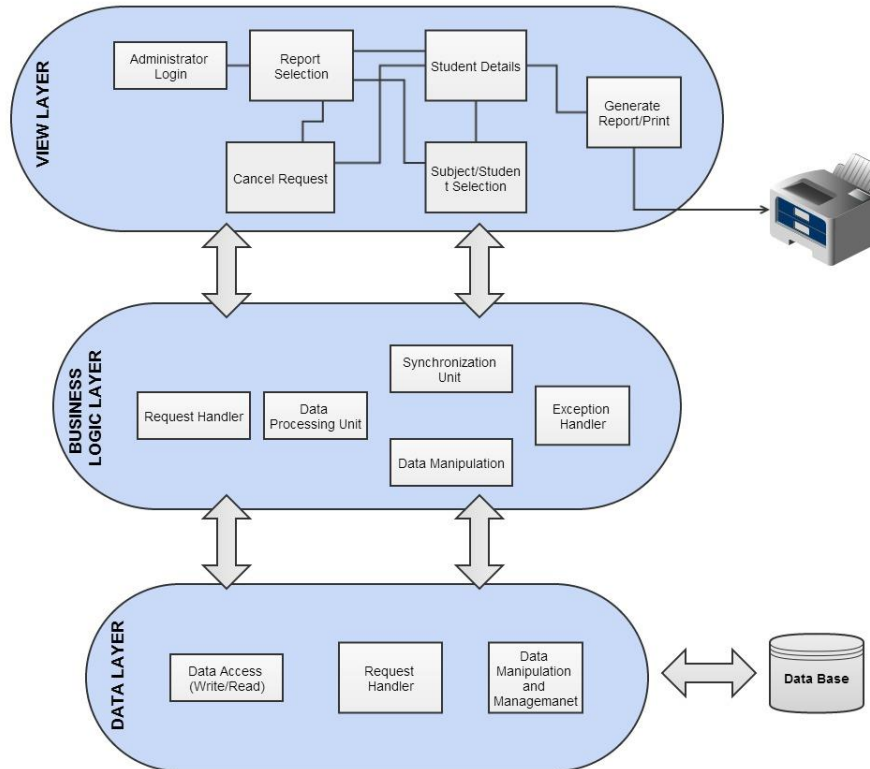
Logical Architecture Model

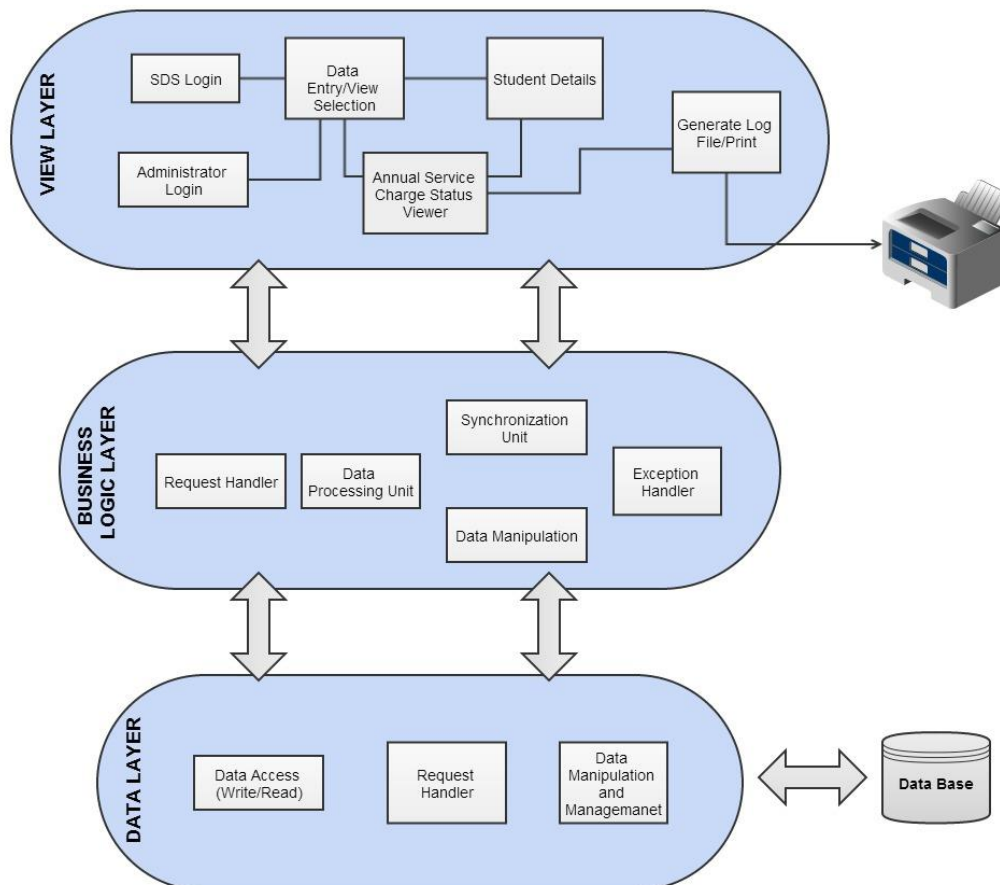

Layer View Diagrams of the System

Report Generation

VIEW LAYER
- Administrator Login
- Report Selection
- Student Details
- Generate Report/Print
- Cancel Request
- Subject/Student Selection

BUSINESS LOGIC LAYER
- Request Handler
- Data Processing Unit
- Synchronization Unit
- Exception Handler
- Data Manipulation

DATA LAYER
- Data Access (Write/Read)
- Request Handler
- Data Manipulation and Managemanet
- Data Base

Annual Service Charge Management

VIEW LAYER
- SDS Login
- Data Entry/View Selection
- Student Details
- Generate Log File/Print
- Administrator Login
- Annual Service Charge Status Viewer

BUSINESS LOGIC LAYER
- Request Handler
- Data Processing Unit
- Synchronization Unit
- Exception Handler
- Data Manipulation

DATA LAYER
- Data Access (Write/Read)
- Request Handler
- Data Manipulation and Managemanet
- Data Base

Covering Relief Periods