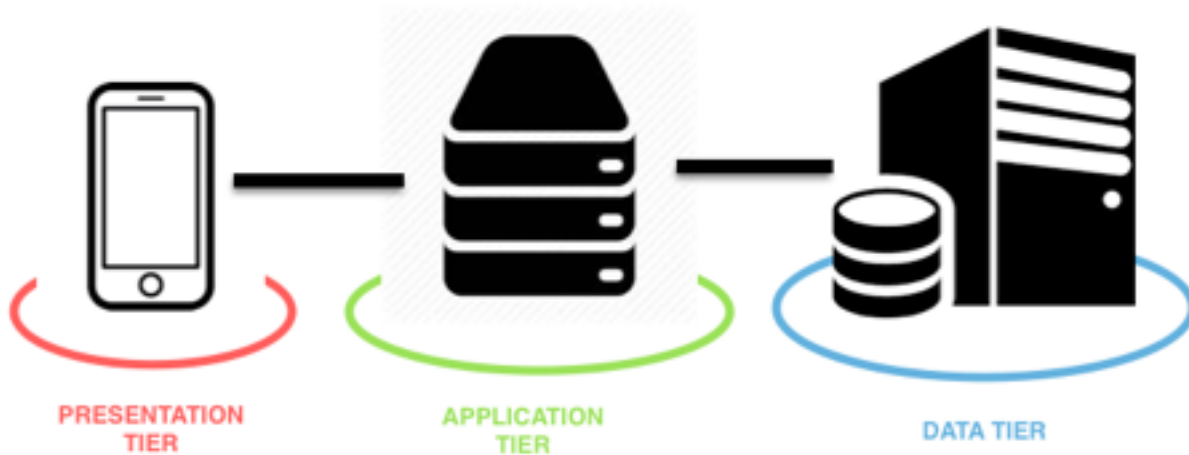


## DESCRIZIONE OVERVIEW:

As we can see our PowerEnJoy architecture has a three tier architecture:



**The presentation tier**, or user services layer, gives a user access to the application. This layer presents data to the user and optionally permits data manipulation and data entry. The two main types of user interface for this layer are the traditional application and the Web-based application.

**The application layer** provides services for application program to ensure that effective communication with other application program in network is possible.

**The data layer:** This is the actual DBMS access layer. It can be accessed through the application layer. This layer consists of data access components to aid in resource sharing and to allow clients to be configured without installing the DBMS libraries and ODBC drivers on each client.

At this point we would like to point out some important observations:

- our server is going to be used by many different clients that we do not have control over.
- we want also to be able to update the server regularly without needing to update the client software.

So we need to minimize the coupling between client and server components in this application.

In order to cover this requirements we decided to use RESTful API.

RESTful web services, as the name suggests, are resources on the web that can be used to get specific information. These services basically portray the working of the REST API.

The client requests a resource from the server and the server sends back the response.

In this way on the Client there will be not a static GUI but a dynamic one that is generated on client side.