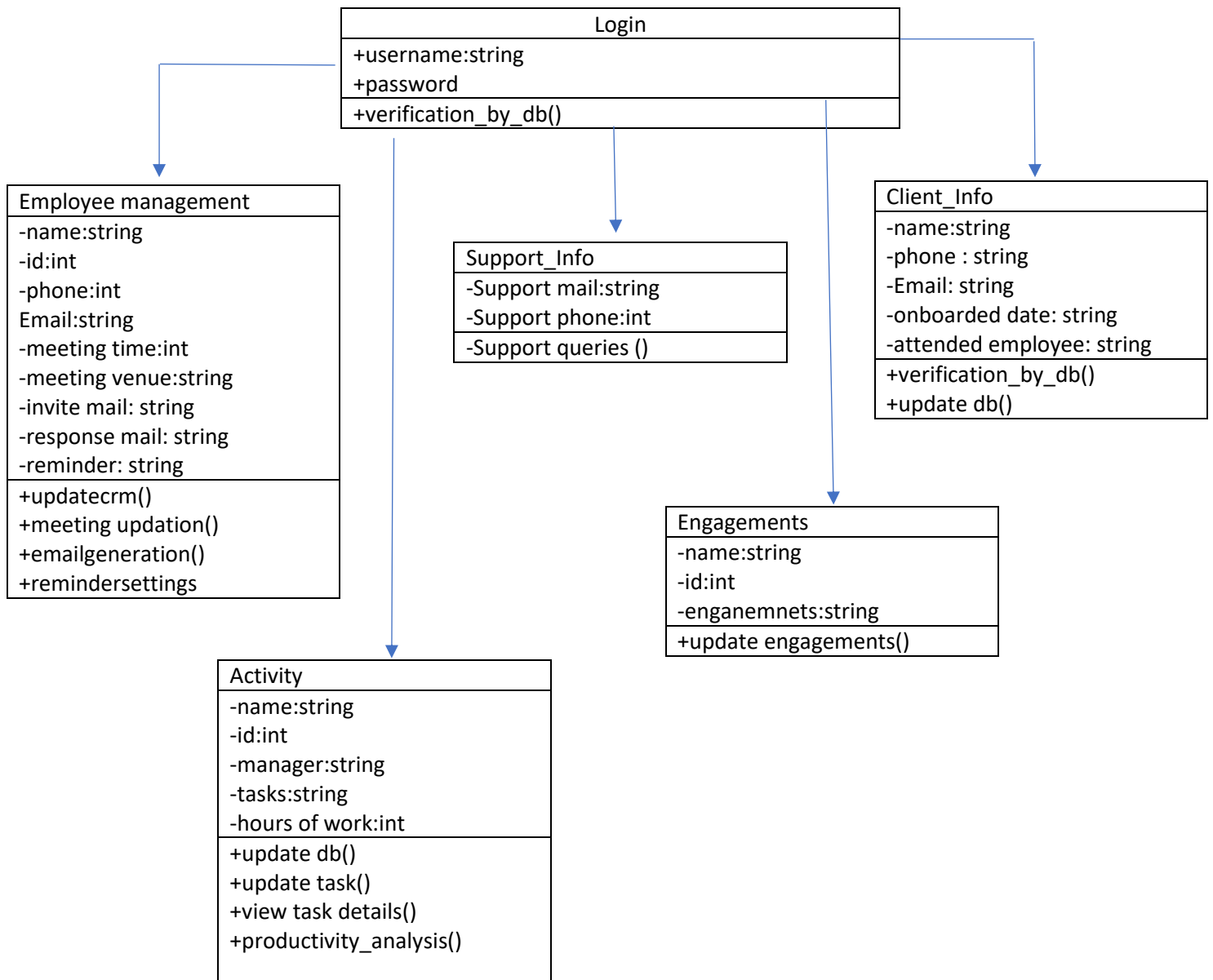
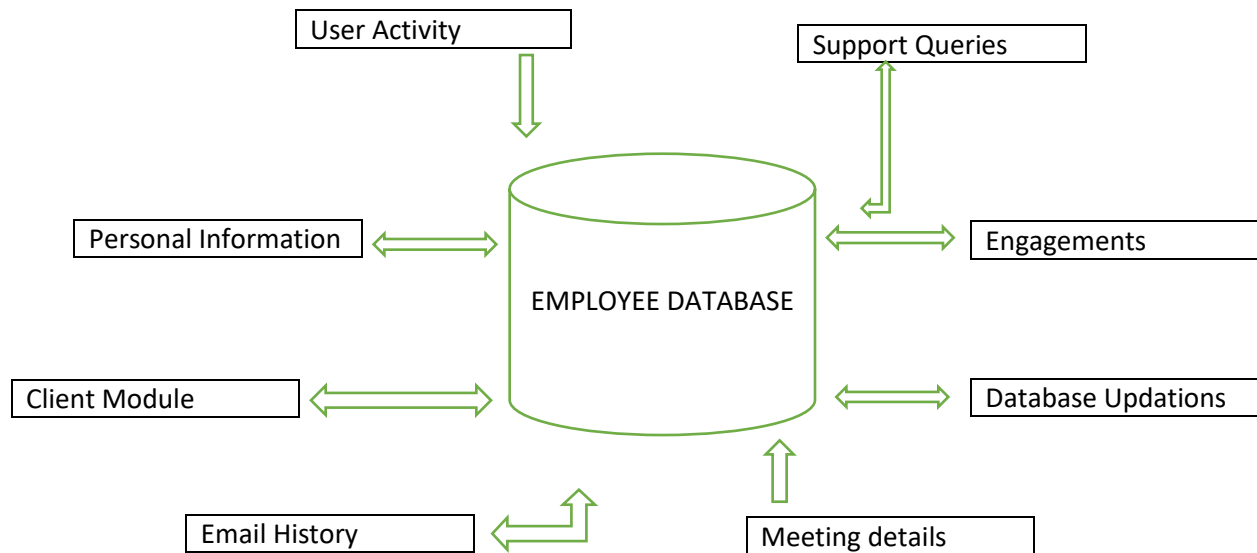


UML DIAGRAM



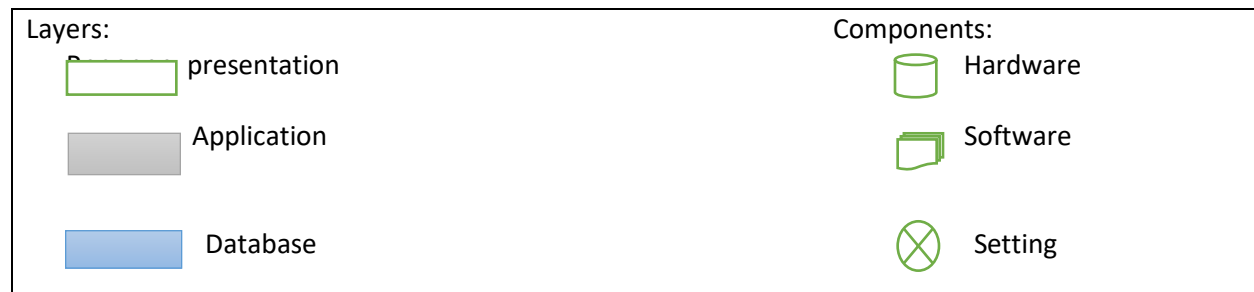
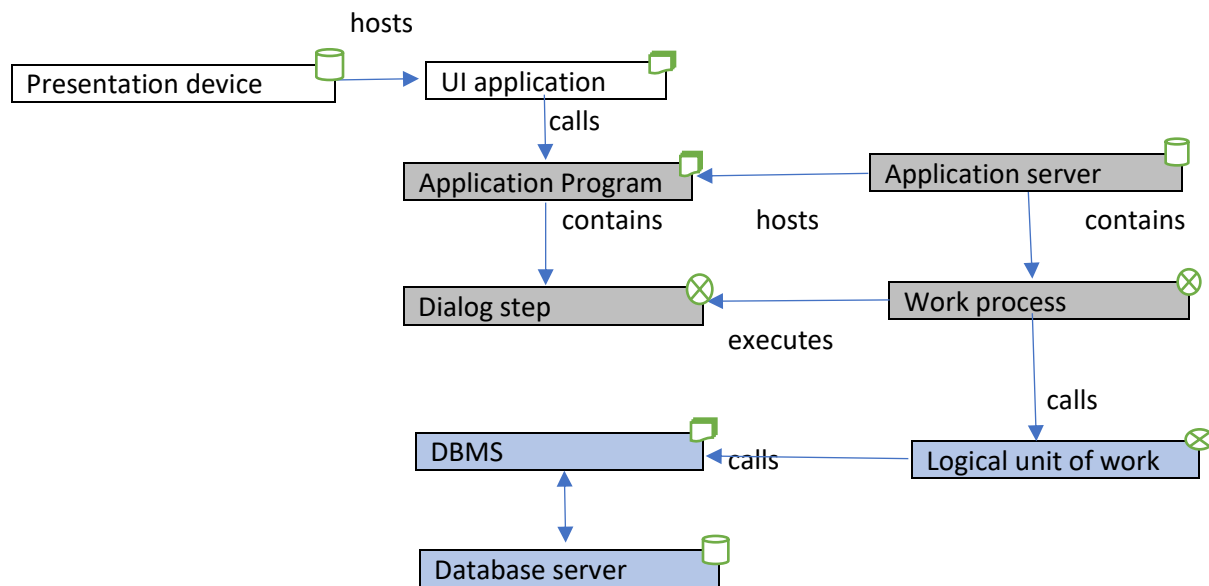
DATABASE DIAGRAM



ARCHITECTURE DIAGRAM

A User management app's technical architecture basically defines the layout of layers of application deployment between servers and desktops, interfaces and software objects. An architecture is not merely meant to just provide technical functionality, user interface and platform support but should be able to absorb emerging technologies.

In here we are using the 3-tier architecture, which implements a basic user management app with all its functionalities. Here we are using mainly 3 layers and 3 components as legends. The first layer is the presentation layer, the layer which is meant to be user-friendly; any user can use this layer and understand the functionalities of the software implemented. The second layer refers to the application layer. This is the middle tier of this architecture. This is the tier in which the business logic of the application runs. Business logic is the set of rules that are required for running the application as per the guidelines laid down by the organization. Next comes the database layer tier, which controls the servers where the information is stored; it runs a relational database management system on a database server or a mainframe and contains the computer data storage logic. The data tier keeps data independent from application servers or processing logic and improves scalability and performance.



Another one is the 3 components that are depicted here, The hardware component, hardware architecture is the representation of an engineered (or to be engineered) electronic or electromechanical hardware system, and the process and discipline for effectively implementing the design for such a system. Second comes the software components, that are the Application Provider to capture the major software elements used to deliver the application. As these are Software Components in the context of an architecture, it is the Software Component Usages that are deployed to the Application Deployment. The final component was the settings component in which, it provides a particular function or group of related functions. In programming design, a system is divided into components that in turn are made up of modules. Component test means testing all related modules that form a component as a group to make sure they work together.

By the implementation of 3-tier architecture for an employee management system, Each tier can run on a separate operating system and server platform And each tier runs on at least one dedicated server hardware or virtual server, so the services of each tier can be customized and optimized without impact the other tiers.

