Blood Bank Management System Deployment Diagram

What is Blood Bank Management System Deployment Diagram?

A **deployment diagram for blood bank management system is used to describe the system's operation showing the hardware and software components that run in each node, and** explaining the connections between them.

Blood Bank Management System Deployment Diagram Description

All blood donated at blood drives must be treated safely and efficiently so that individuals in need of blood do not contract infections or illnesses. The Blood Bank Management System (BBMS) is a web-based system that can assist with blood bag information while in the blood bank. The person using this system can put in the results of the blood tests that have been done on each blood bag that the blood bank has received.

It is meant to store, process, retrieve, and analyze data related to the management of a blood bank's inventory and administrative tasks. The blood bank software allows patients to obtain information about the blood group they require from the central inventory. If the blood group required is not available in the central inventory, a centralized blood bank information system assists patients in obtaining a list of donors by area or blood group.

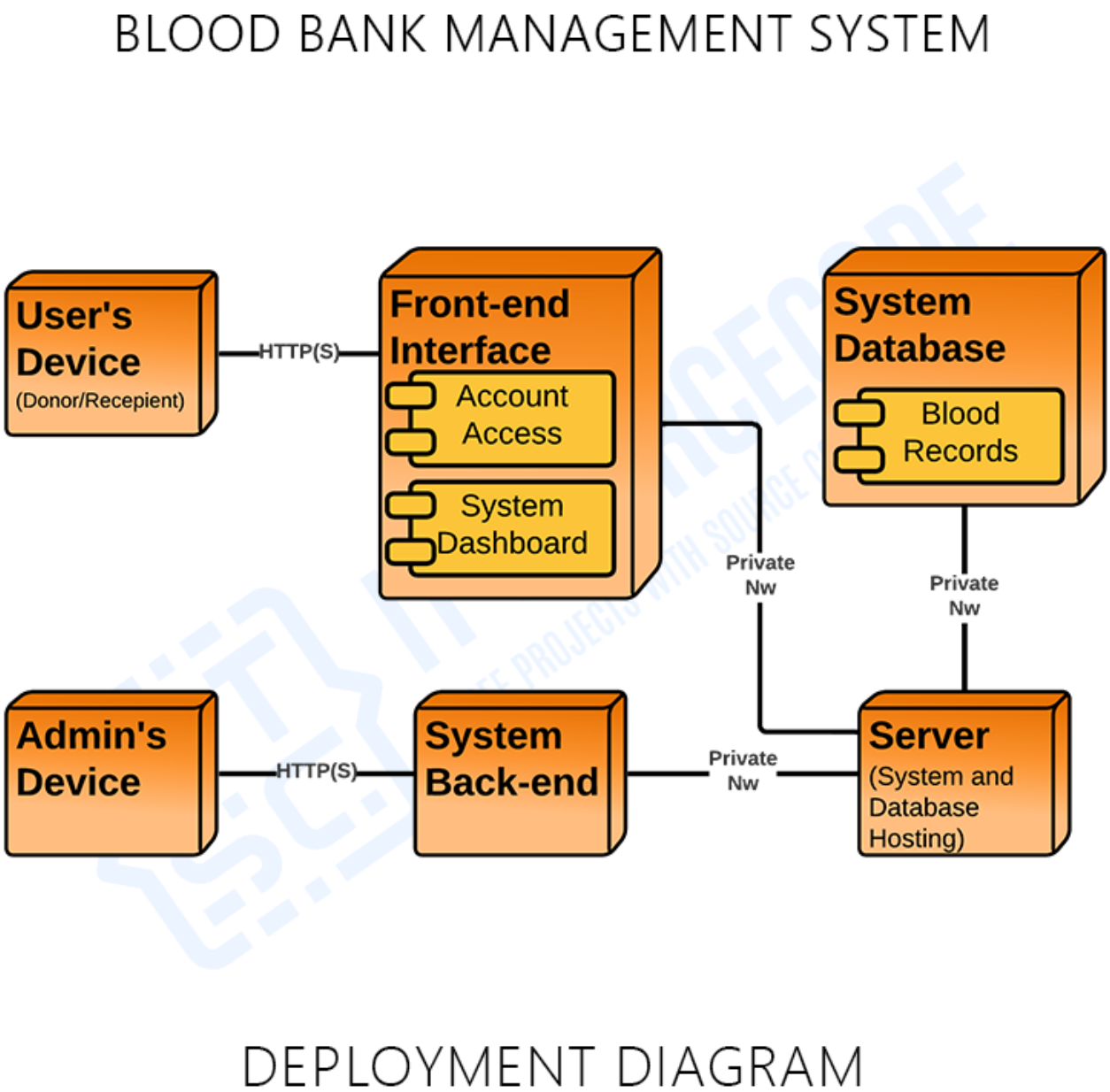
UML Deployment Diagram for Blood Bank Management System

A deployment diagram for the blood bank management system in UML is used to illustrate its' physical architecture. In UML, deployment diagrams can show you how the software and hardware of the learning system work together and where the processing takes place.

The blood bank management system uses a UML deployment diagram to show how should the developed software be deployed. It clarifies the communications between links(nodes) which helps the project to work according to the design given to it. Deployment diagrams depict the setup of run-time processing nodes and the components that reside on them.

Deployment Diagram for Blood Bank Management System

The nodes included in the blood bank management system deployment diagram are represented by boxes. These boxes are labeled as software or hardware that specifies the included components to carry out the bloodletting process. The boxes will then be connected and labeled to declare the type of connection they have with the other components.



UML Deployment Diagram for Blood Bank Management System

Blood Bank Management System UML Deployment Diagram (Explanation)

The **Blood Bank Management System UML deployment diagram** explains the sketch of the relationship between software and hardware. These hardware and software are labeled to clarify their part in the system's operation. They were represented by nodes and the connections were represented by labeled arrows.

The deployment diagram shows the scenario when the system is deployed. It has 4 nodes represented with boxes and relationship connections. The nodes are the blood bank management system, the customer's device, the admin's device, and the database (system server). The system server node contains a developed database that will hold the details of the system online.

For the connection, the system is connected to the server database using a private network which enables it to pass a connection to the devices and enable users to access the system and database. The admin and the customer then can communicate using an online or internet connection.