System test has rendered every item in the hospital management system as acceptable with a few exceptions of logical coding flaws that can be corrected by time of deployment:

Graphical user interface

Description automatically generated

System design and tests were all performed via TCP/ICP under MySQL Community Server and the Apache Web Server. Some considerations that would like to be added would be the transition from Windows-based systems to Linux-based systems as it offers more security than Windows-based systems. Some complications of this change for end users and employees could be:

* Lack of GUI makes harder transition to Linux
* Costs to train employees on Linux [$2280 to train on LInux Essentials](https://www.certstaff.com/about/pricing+category_id+199.html?Linux=courses) (does not include group training)

Graphical user interface, text, application, email

Description automatically generated

The conversion method will go based off a gradual conversion system. Per W3computing:

Gradual, or phased, conversion attempts to combine the best features of the two previously mentioned plans, without incurring all the risks. In this plan, the volume of transactions handled by the new system is gradually increased as the system is phased in. The advantages of this approach include allowing users to get used to the system gradually, the possibility of detecting and recovering from errors without a lot of down time, and the ability to add features one-by-one. Agile methodologies tend to use this conversion approach.

Training users under the gradual or phased conversion method is a beneficial method because it allows for mistakes to be fixed as they emerge, makes it easier for individuals to adjust to the new system, and allows for more rigorous, agile testing.

The downside of this method is that it does require new interfaces which can complicate the ability to learn the new system, may interfere with HR, and higher front-end costs.