Bahir Dar University | 2023

E-learning system for Capital College of Business and Health Science

By:

Abel Bires

Mikiyas Gashaw

Tewodros Workye

Background

Capital College of business and health science was established in 2021.The vision of the college is becoming a first class business, technology and health Science University in east Africa by 2030 EC. And their mission is delivering quality education, training, and problem solving community based research services, produce competent graduates in their knowledge, skill, and attitude that can potentially serve their country and people.

Statement of the problem

problem 1

The traditional way of learning is more time consuming and students don't submit their assignments in a specific set of time.

problem 2

students wouldn’t be motivated to dig out knowledge by themselves.

problem 3

Fulfilling every material in hard copy for each faculty/department is not easy.

problem 4

If a student is incase absent from class there is no way that he could take the lesson that other students have learned.

Page

Objective of the project

The general objective of the projct is to design and implement a web based E-learning support system.

Specific objectives

- Reviewing relevant literature
- Understanding the current system
- Identifying the requirements of the system
- Selecting appropriate tools for the system
- Identifying the problem under the existing system

Implemetation methodology

The software tools that we are going to use are:

React JS a JavaScript library for the front end of the system

CSS to style the interface.

PHP for the back end of the system.

Significance of the project

01 Allows mobile learning environment – anywhere, anytime, anyhow

02 Students can download learning materials, view up-to-date information about their classes

03 the teacher can give assignment and also students can submit their assignment easily

04 Unlike classroom teaching, students can access every lectures.

Limitations of the project

Our project cannot control the cheating during examination if the individual is taking the exam at his home

Since our proposed system corrects the exam by itself. The questions of the exam should be choice type only. Therefore online exam questions are type limited to choice type only.

There are some topics/subjects that require physical practice, which are very hard to teach by E-learning platform.

The existing system

In current system teaching, distributing modules, allocating assignments and showing course results are performed by instructors manually.

Problems of the existing system

01 **Time consuming and Work overload on college's employee**

02 **Lack of students' satisfaction**

03 **Lack of students' satisfaction**

04

Proposed System

New system will solve the problem and limitation of the current system

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus sed vestibulum nunc, eget aliquam felis. Sed nunc purus, accumsan sit amet dictum in, ornare in dui. Ut imperdiet ante eros, sed porta ex eleifend ac. Donec non porttitor leo.

Functional requirements

Provision of Online Examination

uploading assignments

Provision Online course material with different media types

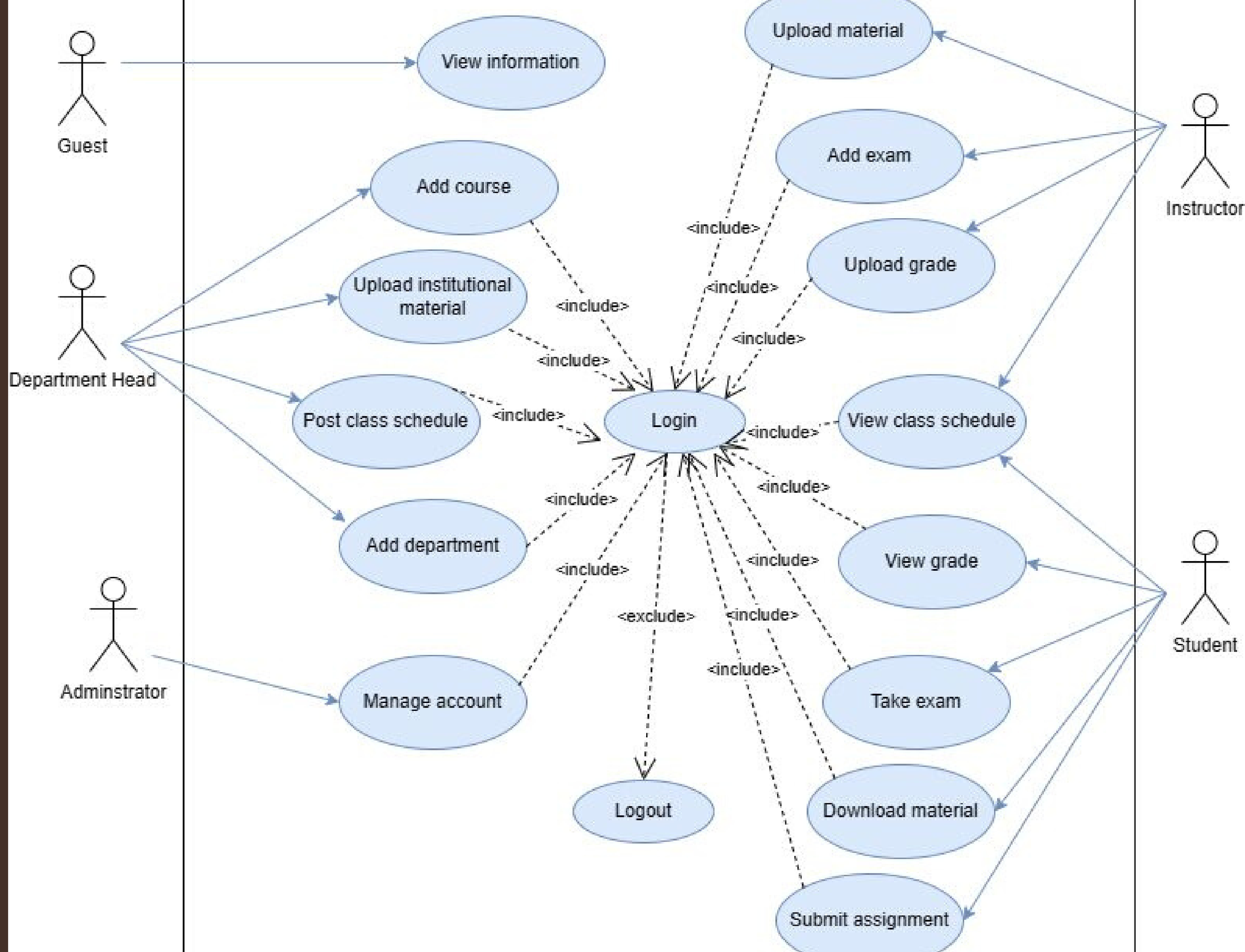
uploading assignments

Grade reporting

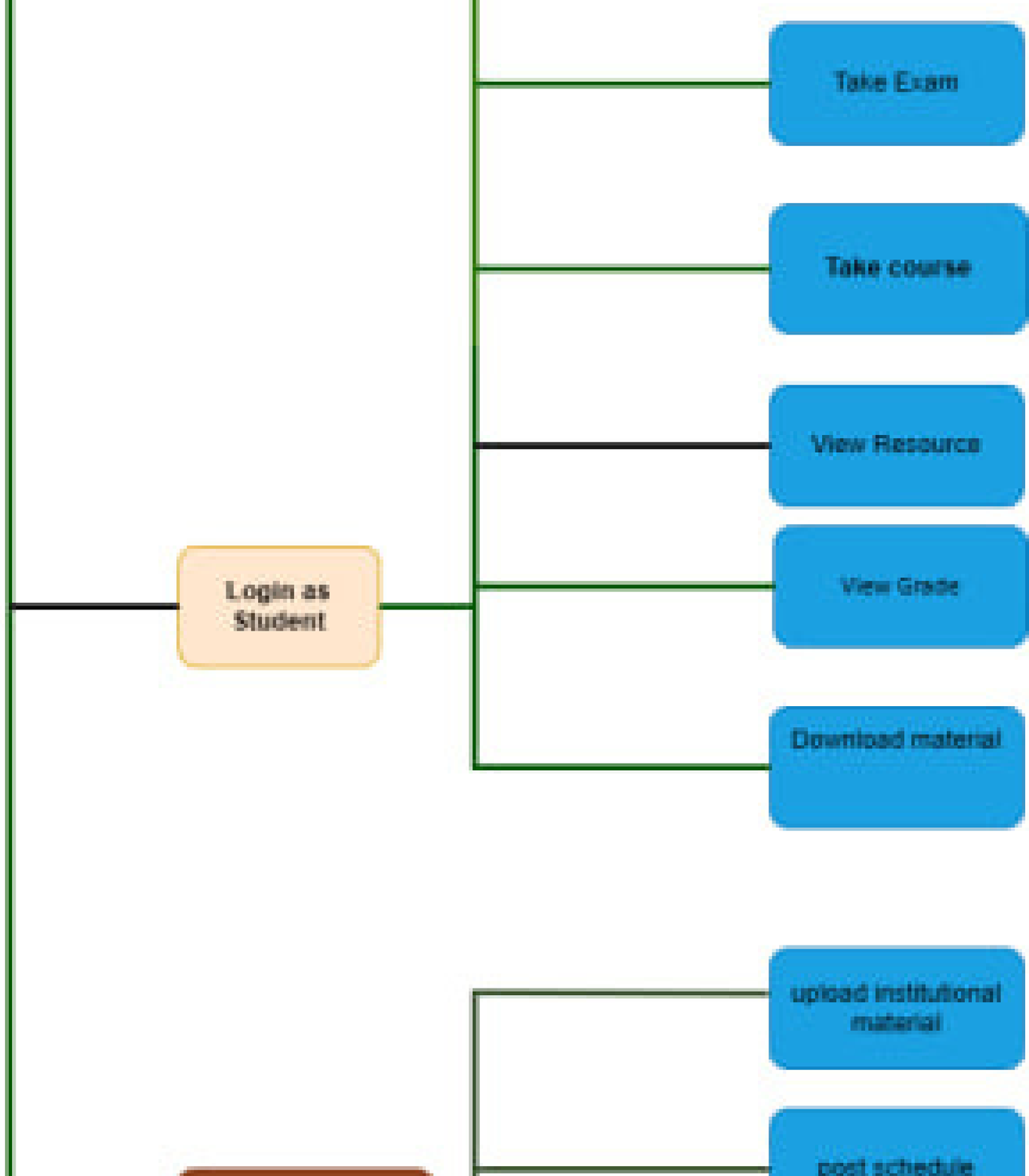
Actors of the System

1. Administrator
2. Instructor
3. Student
4. Department Head

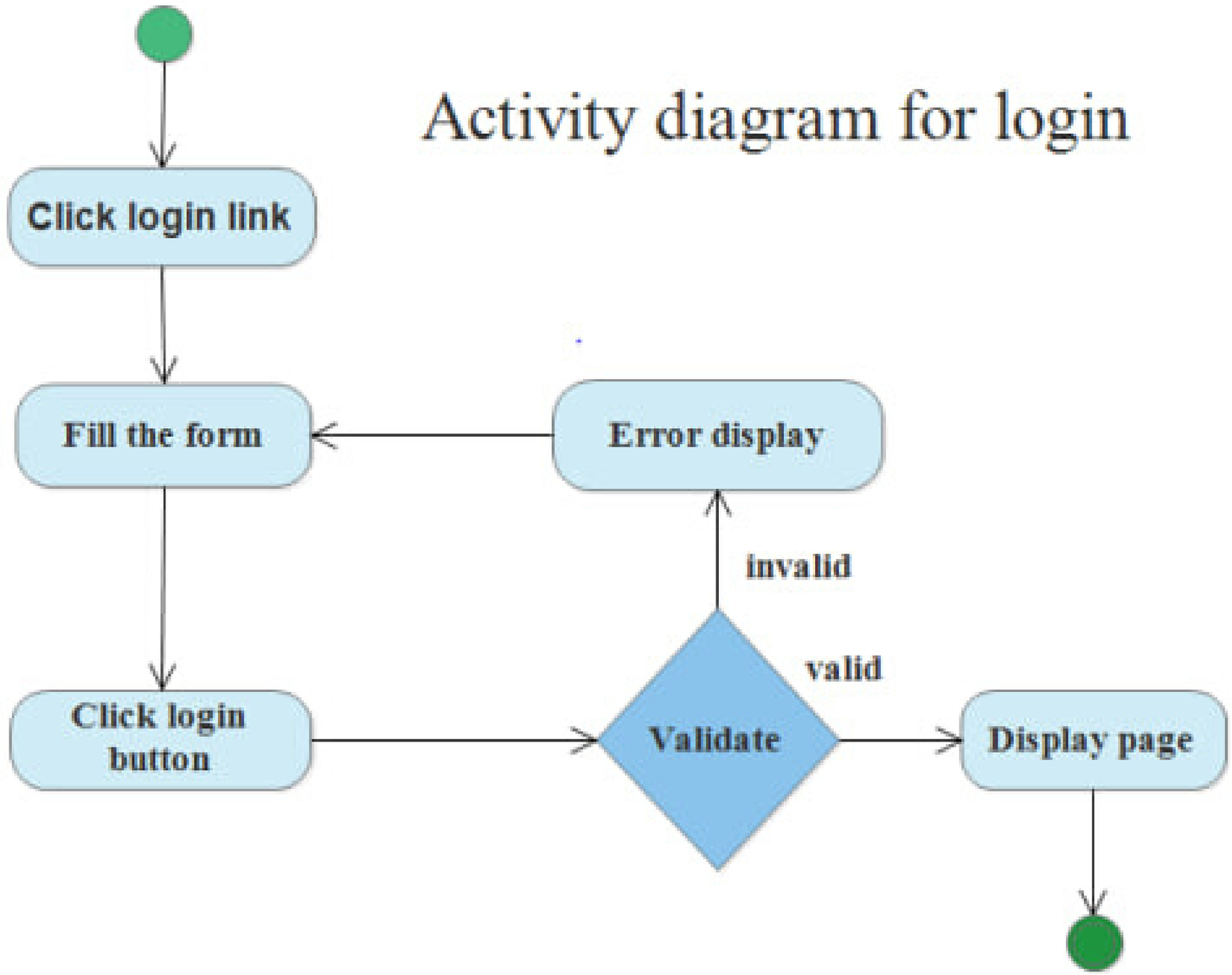
use case diagram



User interface prototype



Activity diagram



Non-functional requirements

Usability

The system should be user-friendly which is easy to learn.

Security

The system must prevent unauthorized access.

Availability

The system must be available when requested by end-users

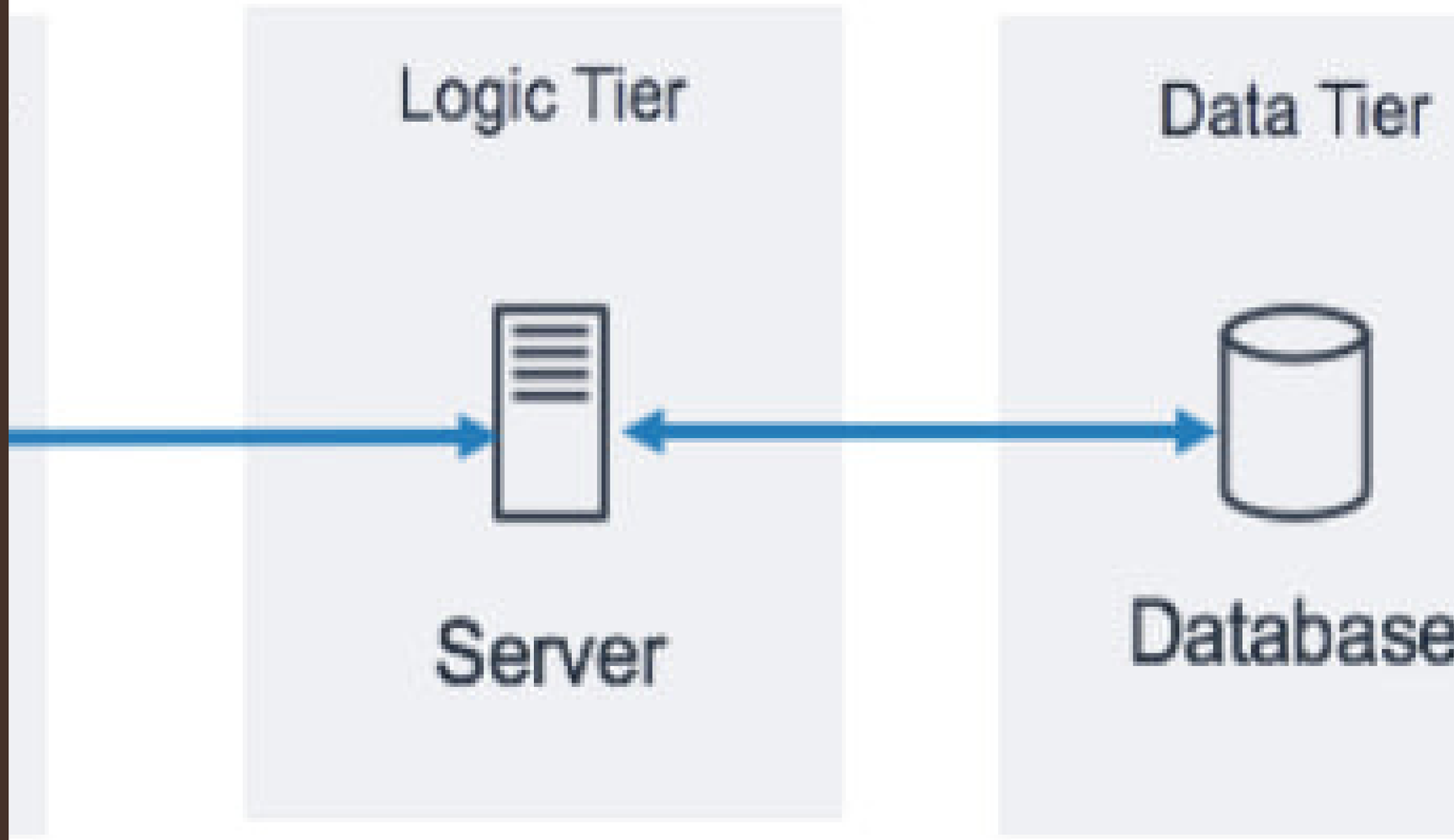
Performance

The system should be able to respond quickly in a short period of time.

Reliability

The system is effective and consistent in that integrity of information is maintained and supplied to the system.

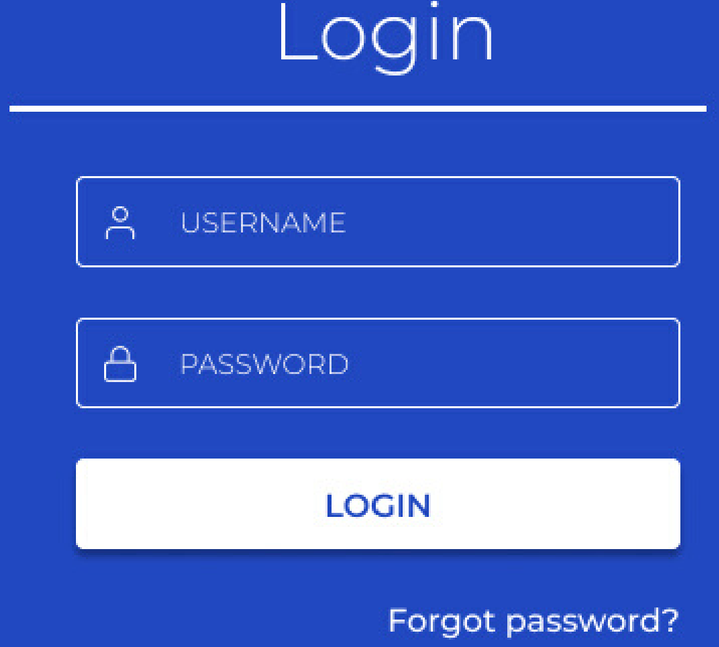
Architectural design



Timmerman University | 2023

Interface design

Login page



Background of the college

Capital College of business and health science was established in 2021 in Bahir dar, Ethiopia. It is now serving on four departments Nursing, Management, IT and medical laboratory also it has 13 permanent teachers, around 400 students not only this but also has its own large library. The vision of the college is becoming a first class business, technology and health Science University in east Africa by 2030 EC. And their mission is delivering quality education, training, and problem solving community based research services, produce competent graduates in their knowledge, skill, and attitude that can potentially serve their country and people. The core values of the college are providing quality education and training, passion to serve to the community professionally, researching for social wellbeing, transparency and accountability, team work and impartiality, integrity and Excellency. E-Learning, or electronic learning, is the delivery of learning and training through digital resources. It is provided through electronic devices such as computers, tablets and even cellular phones that are connected to the internet. This makes it easy for users to learn anytime, anywhere, with few, if any, restrictions. Basically, E-learning is training, learning, or education delivered online through a computer or any other digital device.

Most popular courses

Home page

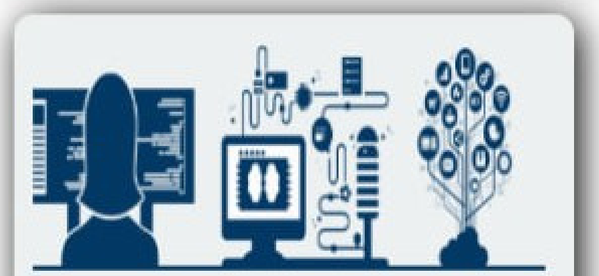
Most popular courses

Information Technology

Health Science

Management

Medical Laboratory



Information Technology

Health Science

Management

Medical Laboratory

It's now about 8 o'clock.

©2023 Apple agency All rights reserved.

Home page