

TECHNOLOGY



# *Using the barcode system for automatic Attendance*

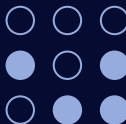


Development



# Introduction

During our university studies, we noticed some problems in taking attendance, including delays in the lecture, or some errors in calculating some students who were mistakenly absent, or preparing students for each other. So we decided that our project for the material would be to use the barcode system for automatic preparation



# Function Requirements

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01



View Student  
info

02



Upload Absence  
Excuses

03



Scan QR

04



Choose from  
The list

05



Modify  
Attendance

06



Confirm

# Function Requirements

+++

07



Display Ban  
Warnings

08

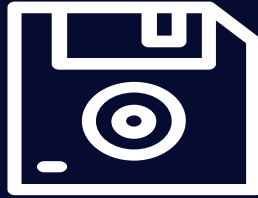


Check Attendance  
percent



# Non-Functional requirement

## User Interface



The interface will be easy to use and understandable to all users



The user interface shall be as GUI and it will take less effort and time.

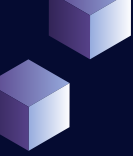


## Hardware Interface

The system should have large memory to absorb all students' information

the system also should support intel Core i5-12600K to be capable with the memory





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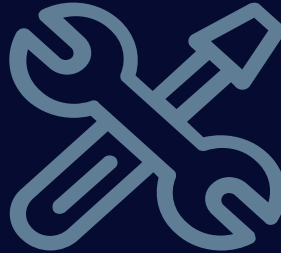
# Non-Functional requirement

## Software Interface

The system send the updated data for University database

The system support English and Arabic language

The scanning device needs to Utilize apple and android drivers to turn on



## Security Interface

The system must ask the users to make a very strong password.

The system must allow students to access only the information they are authorized to access.

The system must enable only instructors to modify the attendance information



AWESOME WORDS

# Diagrams

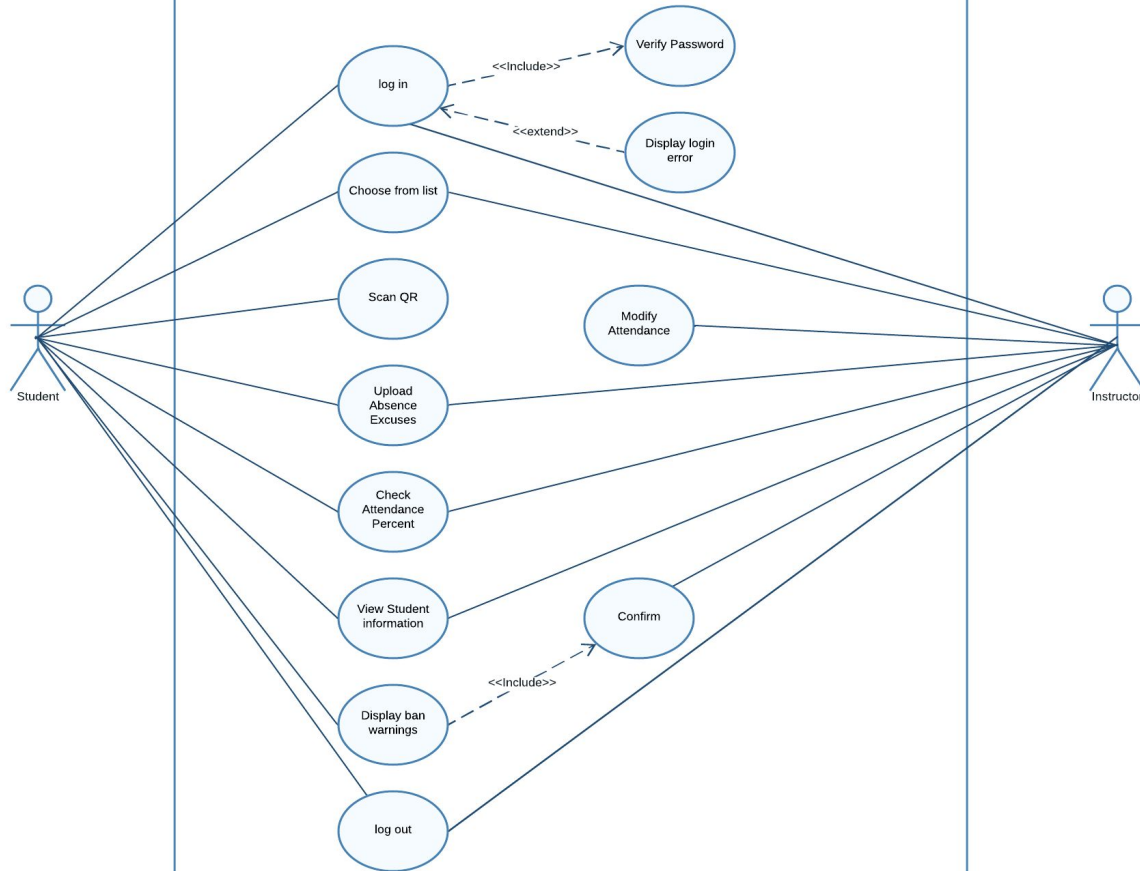


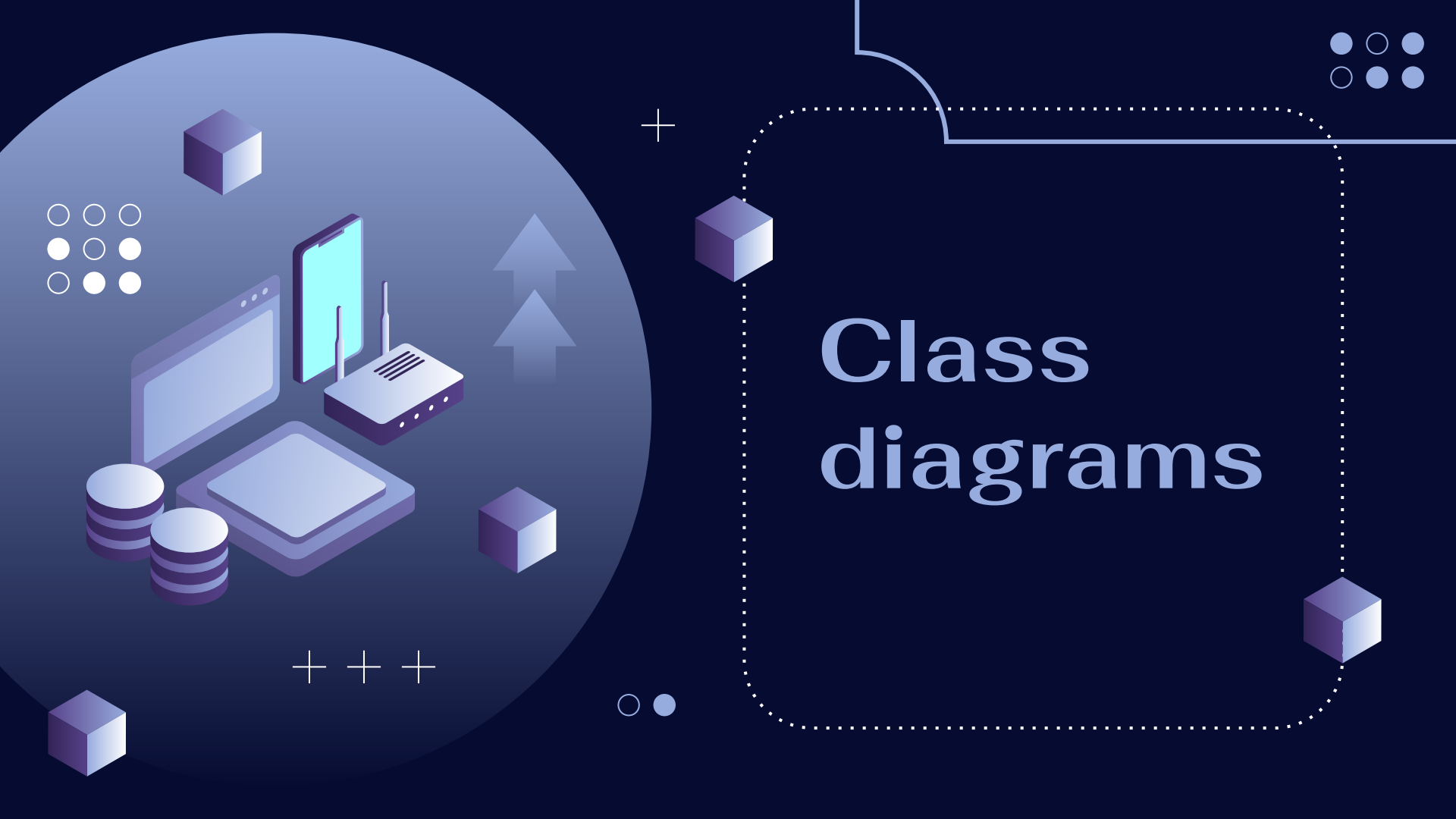
# Use Case



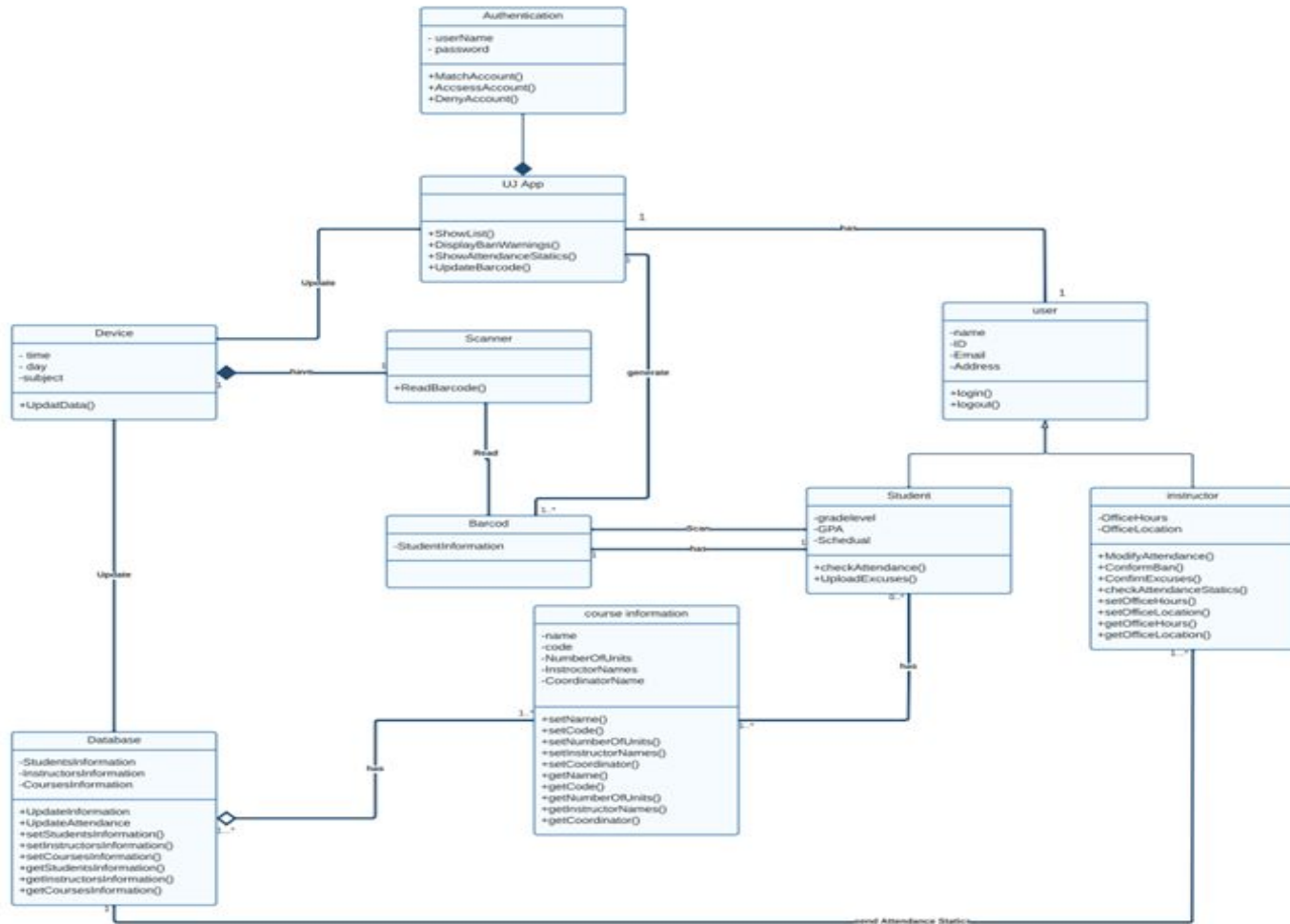


# Automatic Attendance System





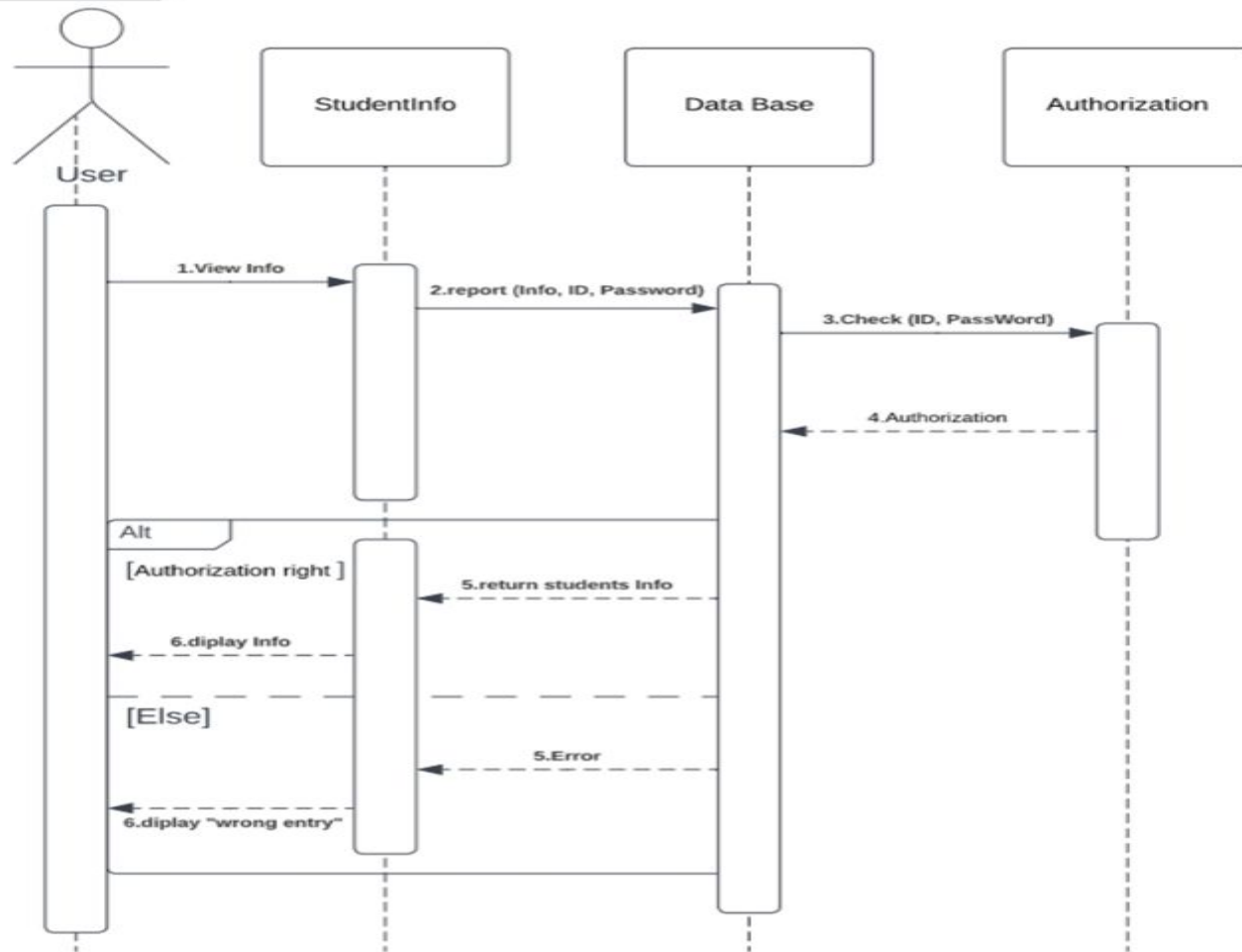
# Class diagrams





Sequence

# SD View Information



AWESOME WORDS



# Thank you!

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Does anyone have any questions?

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