



ELM ++

MONDAY MAY 3, 2021

# Project Team

Project Advisor:

Dr.Zohair chentouf

01

Yousef Alkahtani

435101137

02

Mohammed Al-Tamimi

437100922

03

Abdulrahman Aldakkan

437100413

04

Faisal alhumayyd

437102787

05

Muath Alhajjam

436106814

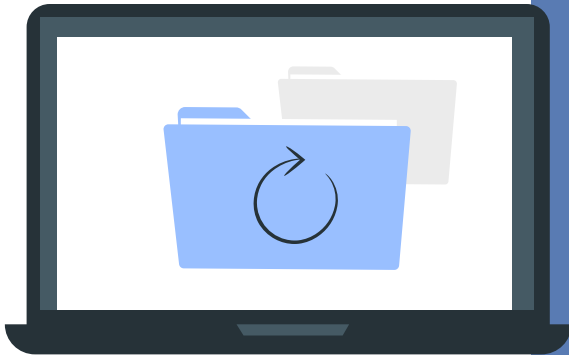
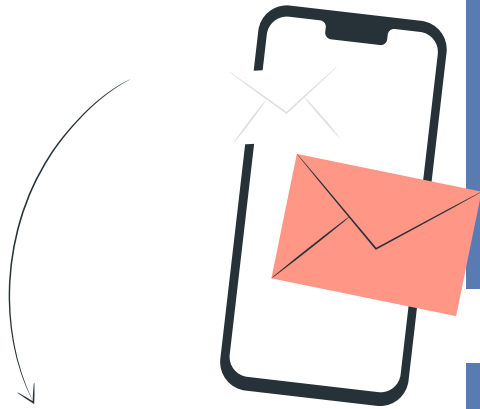


# About:

ELM++ is an educational platform aimed for graduate and undergraduate people and anyone who is looking to improve his skill or for lecturers who is looking to share his knowledge with other people.



# Project Objectives



Neptune is the farthest planet from the Sun and also the fourth-largest by diameter in the Solar System. This planet was named after the Roman god of the sea

Mercury is the closest planet to the Sun and the smallest one in the entire Solar System

**Saturn is composed of hydrogen and helium!**

# ELM main features changes



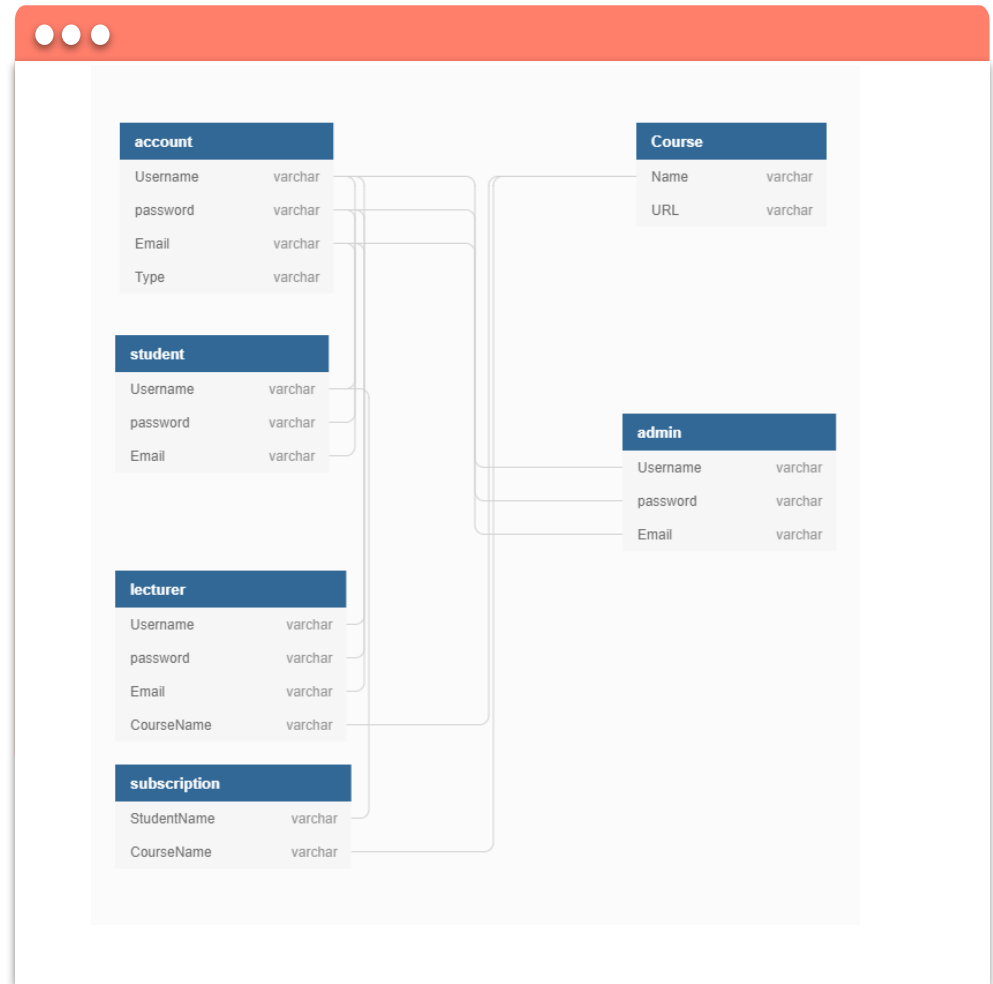
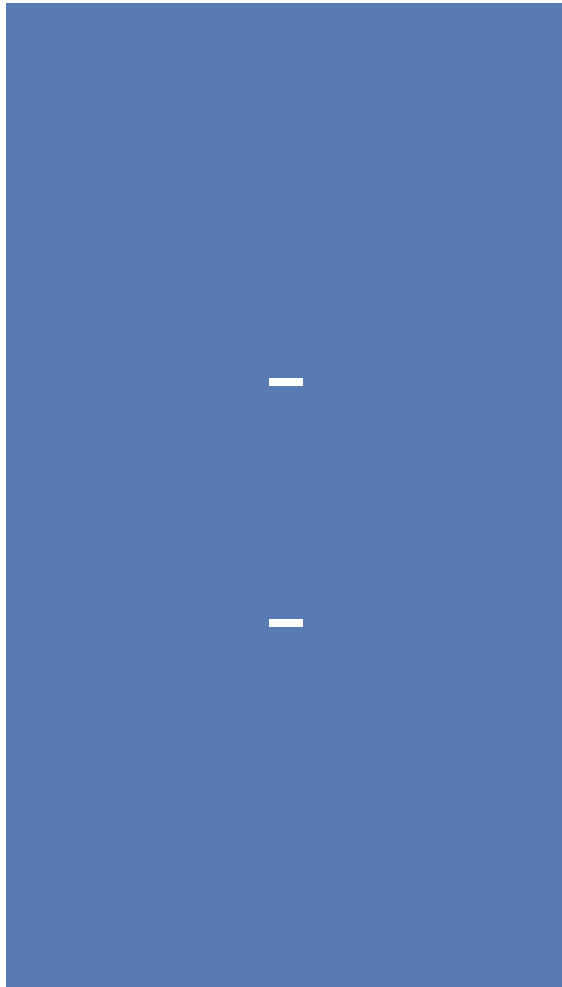
- Student shall be able to choose his payment method for paid courses. **Removed.**
- Student shall be able to upgrade his account to premium. **Added.**
- Student shall be able to print course certificate. **Removed.**
- Student shall be able to report a course. **Removed.**

# Database Schema



- OLD Database Schema
- new Database Schema

# OLD Database Schema

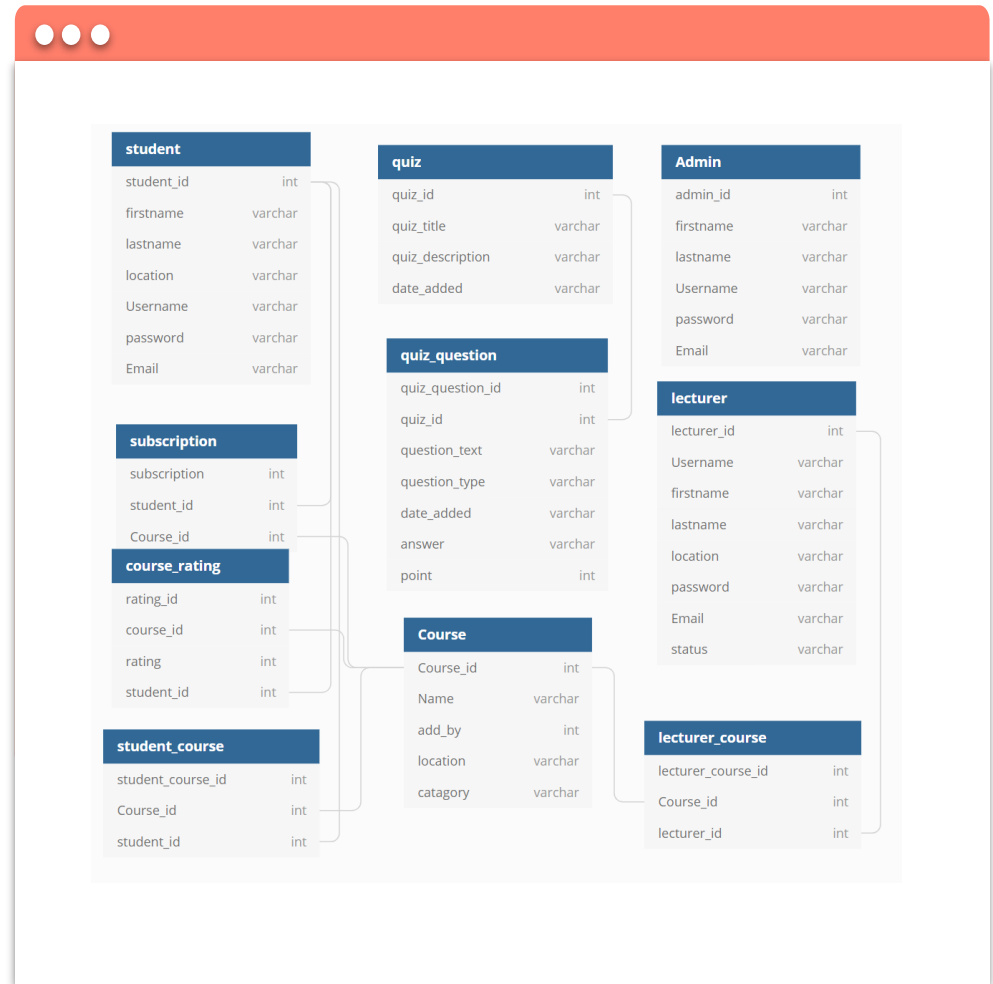


# New Database Schema

Add Account ID's for  
each table

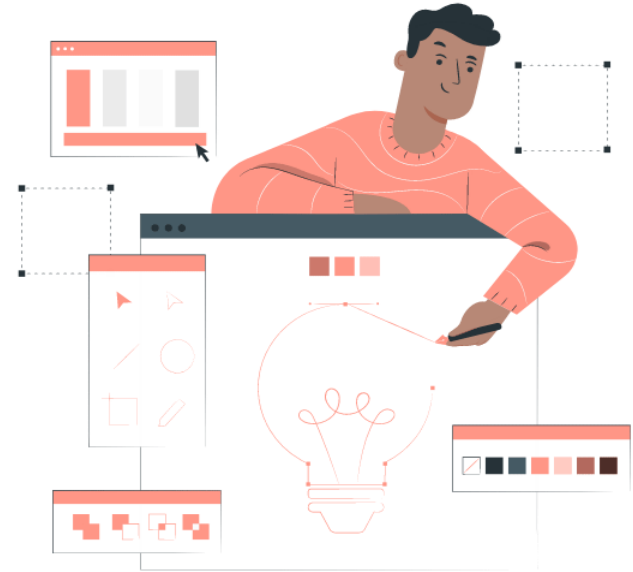
Each features has is  
own categorical  
variable and  
frequencies

fix the previous schema  
mistakes in phase 1

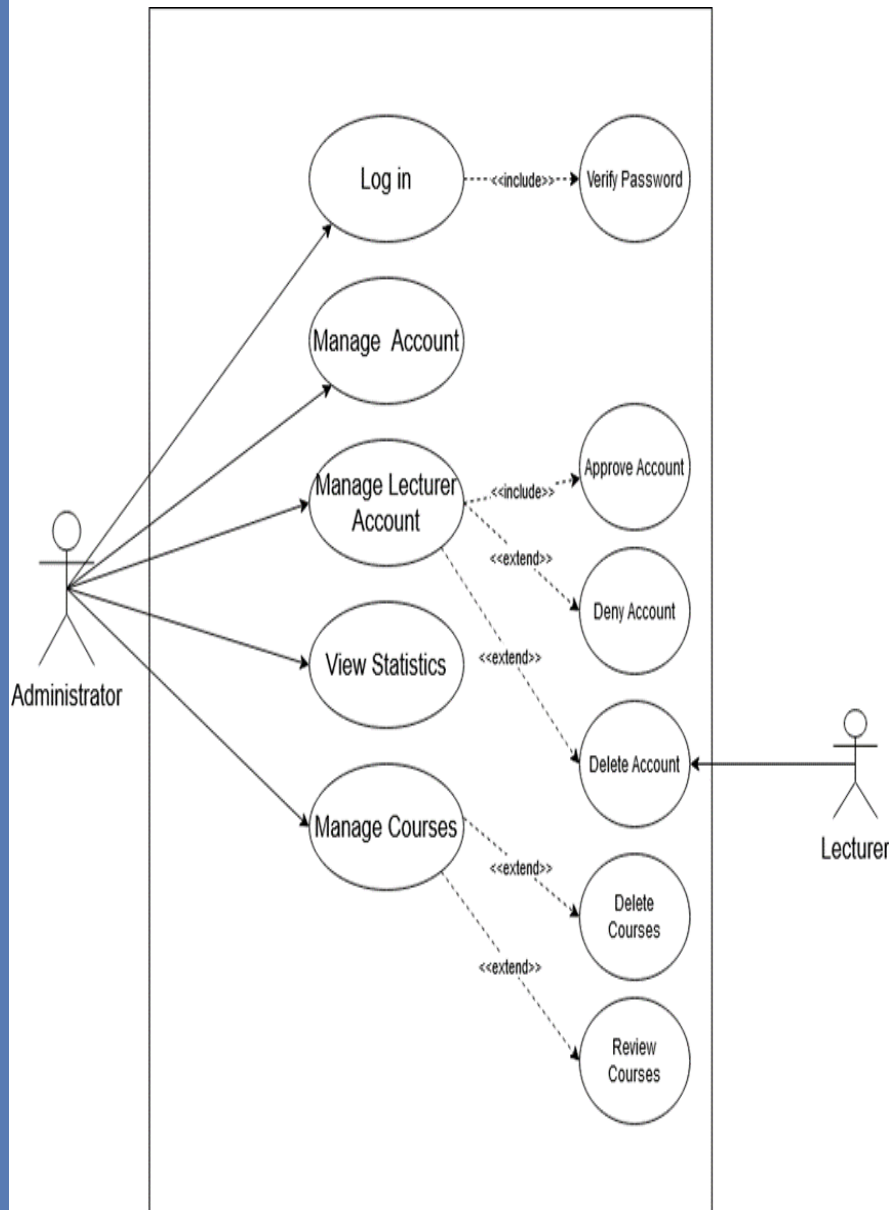




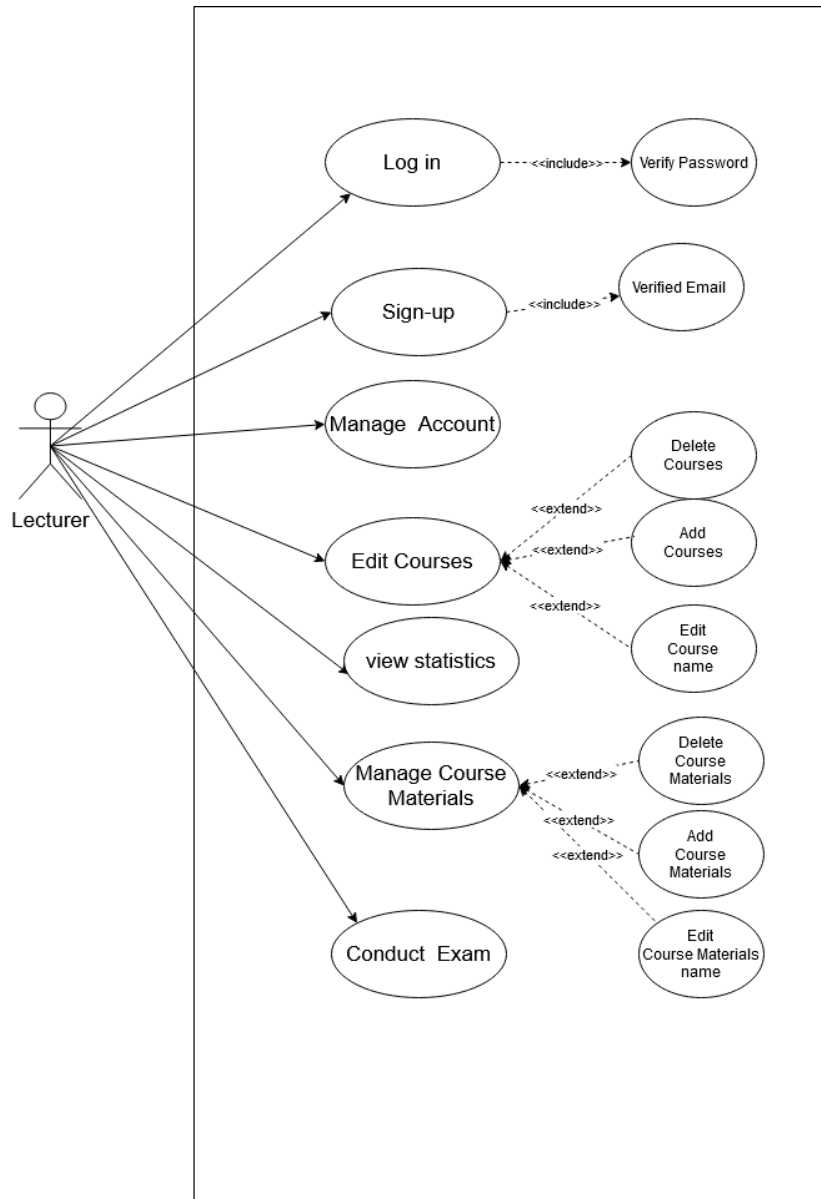
# use cases



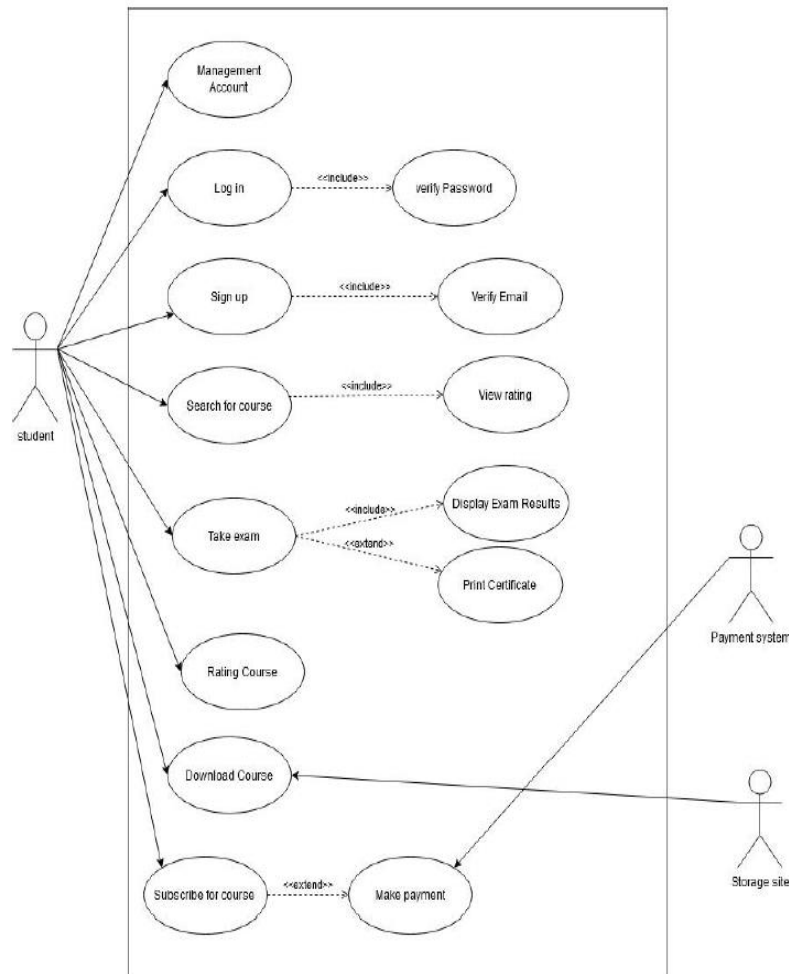
- Admin use case
- Lecturer use case
- Student use case



# Admin use case

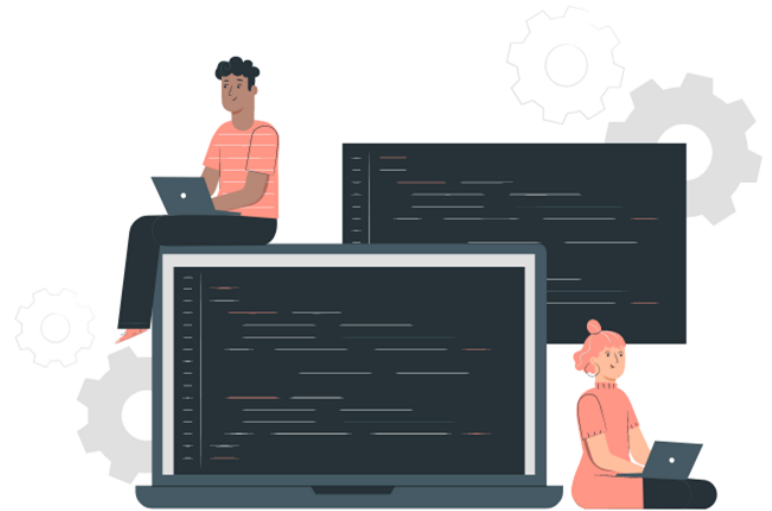


# Lecturer use case



# Student use case

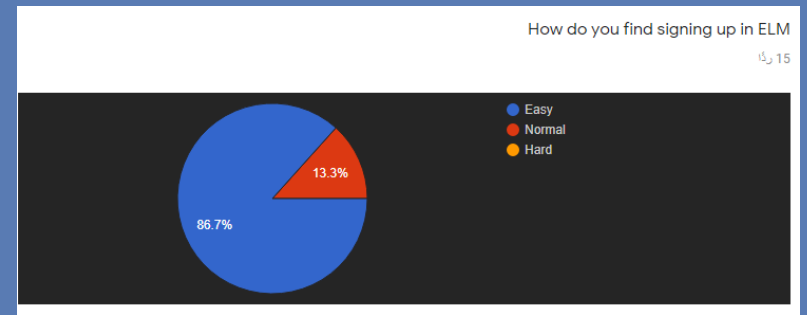
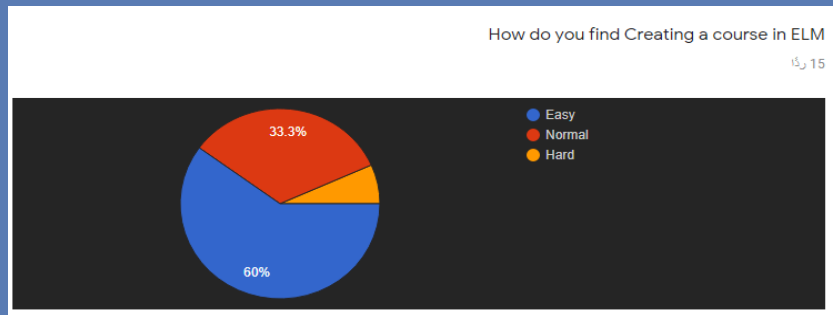
# Testing Techniques



- Useability testing
- Functional testing

# Useability testing

We have gathered a group of people to let them try the system and give us there feedback using google form.



# Functional testing

We have also tested the main features of the system to make sure it's working correctly

## Add course:

I D	Scenario	Expected Output	Precondition s	Actual Output	Test Status
1	Login to the System	Log User in and go to home Page	-	As Expected,	Pass
2	Press Add Course Button e.g. " Web development"	It will appear in the Home Page	-	As Expected,	Pass

# Main Features of ELM++

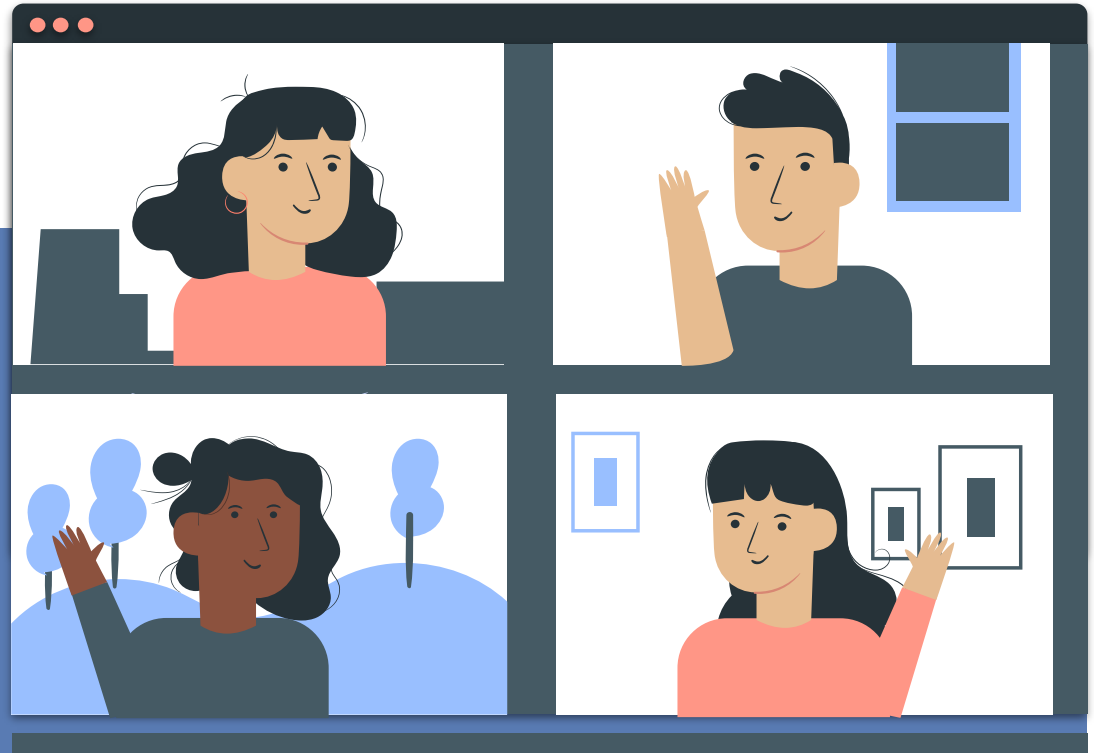


- The website have three main views
- The student features
- The Lecturer features
- The Admin features

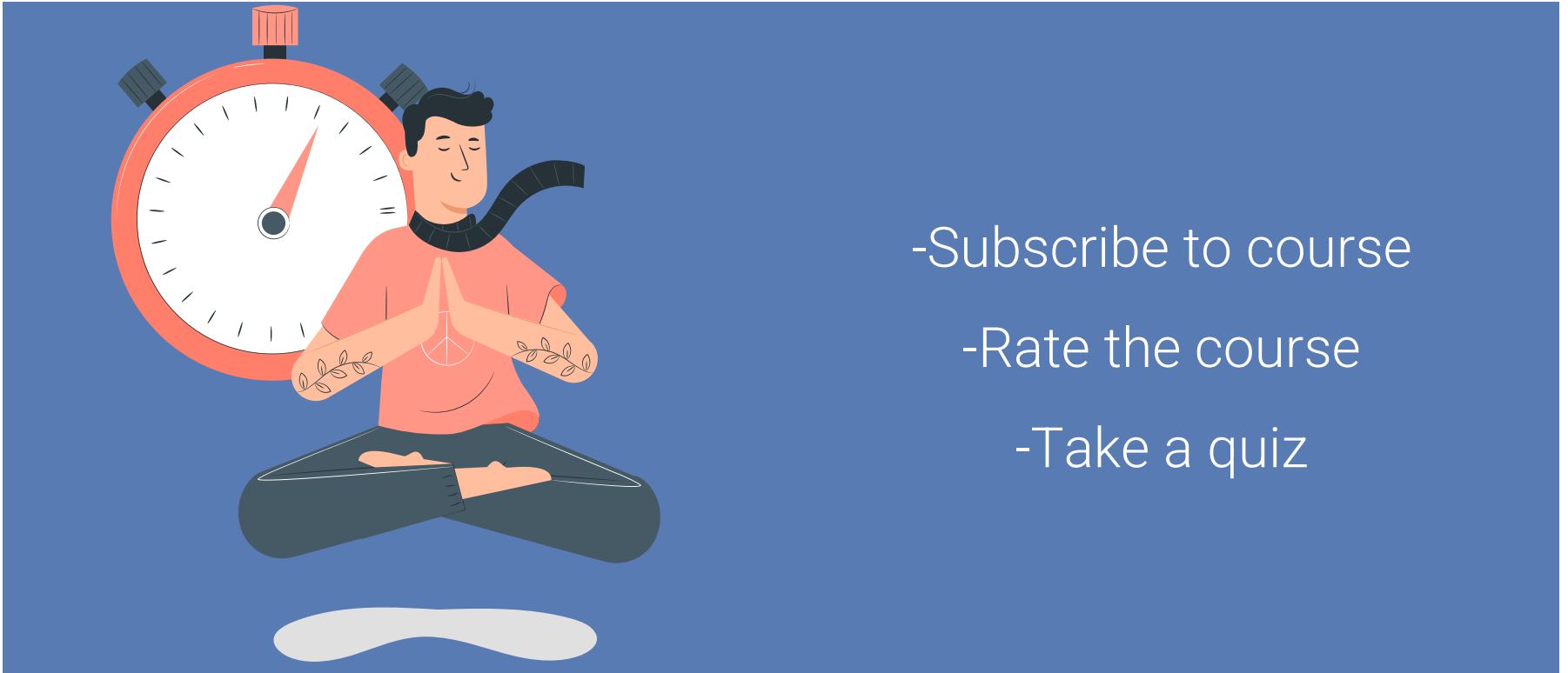


# The website have three main views

- Student view
- Lecturer view
- Admin view



# The student features



- Subscribe to course
- Rate the course
- Take a quiz

# The Lecturer features:

- Create courses
- Manage course material  
(upload, delete)
- Conduct a quiz

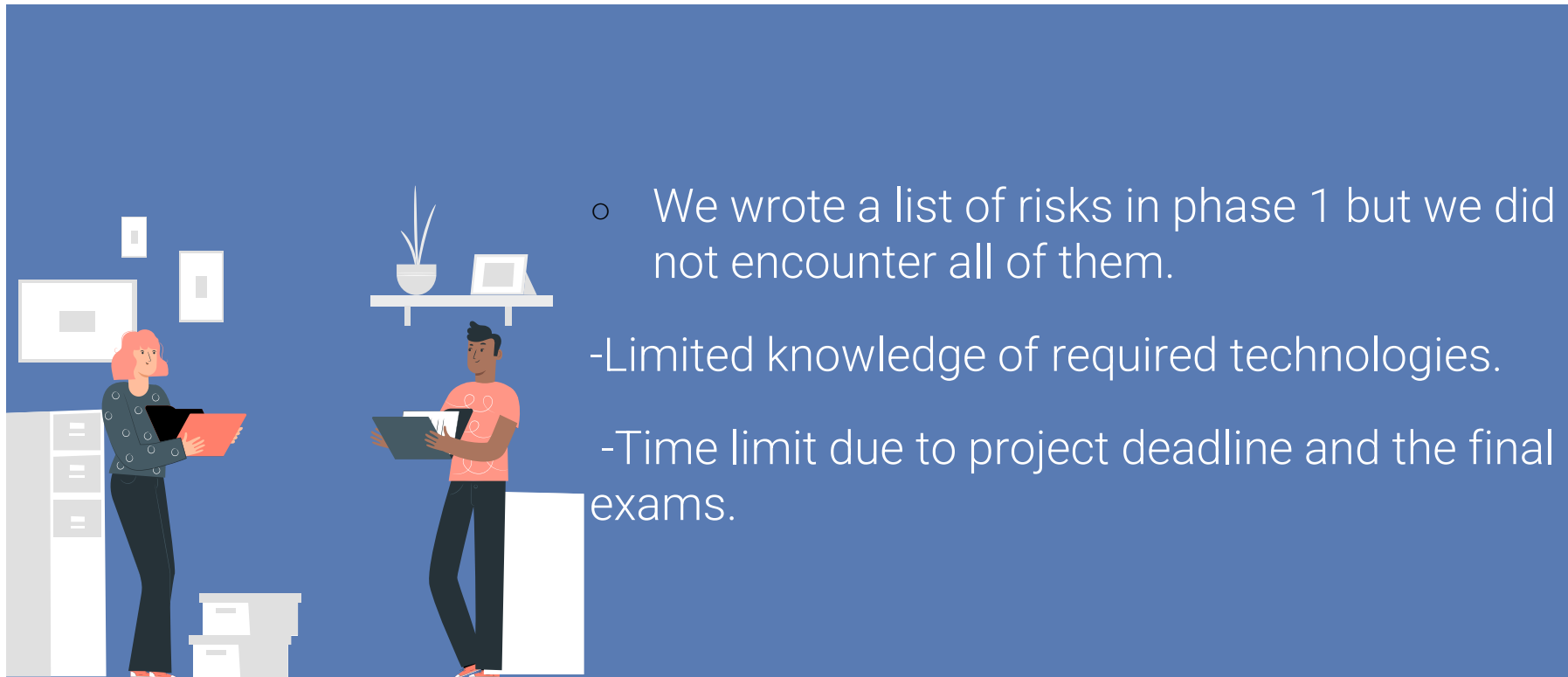


# The Admin features:



- Activate the new Lecturer
- deactivate a lecturer
- review courses
- view statistics (num of student, lecturers, courses)

# Risk management:



# Risk management:

- Limited knowledge of required technologies.

By spending free time reading and learning about design patterns.

- Limited time by project deadline other courses

Time management techniques and creating a time schedule to follow the work.



# Quality assurance practice

This the quality assurance practices planed

- Walkthroughs
- Testing
- Formal Reviews



# Conclusion:

At the end of this project, we are happy with the experience and the new skills we gained we are also happy about the outcome of the system, surely there are some aspects of the system needs improving and more features to be added hopefully we will do so in the future.







THANKS!