

CoursesManagement Analysis

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Introduction :

The development proposed in this exercise is based on the needs raised by a company that facilitates a large number of courses, both online and in person.

They need a website where users can see information about these courses:

- Dates
- Tenary
- Prices

How to register and the information you must provide.

In addition, the website must complete some requests with all the information and pass it on to the Director.

The company requires a minimum of people to take the course, otherwise it will not take place.

Both the Director and the teachers will have to identify themselves by means of a username and password in order to carry out their tasks.

The director will be in charge of managing the viability of the course according to demand. Once the course is created, an email will be sent to the students with the start date and a list of the students registered in this course will be sent to the teachers.

The professors will also be able to put notes to the students at the end of the course and give a certificate to the approved ones.

System Requirements Specification(SRS):

In this section we try to analyze all the system requirements and how the program works.

Functional Requeriments:

- The manager and the teachers will need to login to access to the web page.
- The students will enter only to the general information part of the web page.
- Students can choose between courses on the web.
- Students will provide all personal information and will choose the date to make the course.
- Create an Application will be send to Manager
- Manager will create a course if he have recived five or more application of this course, otherwise he will delete it, and the students will recive an email informing of this matter.
- Once a course is created a message will be sent to the students informing them with the details of the course and the list of students will be sent to the teachers.
- The teacher will have access to another view of this web page where they will insert the marks of the students of each course.

- When the course ends, approved students will receive a Certificate.
- Make a backup process every day.

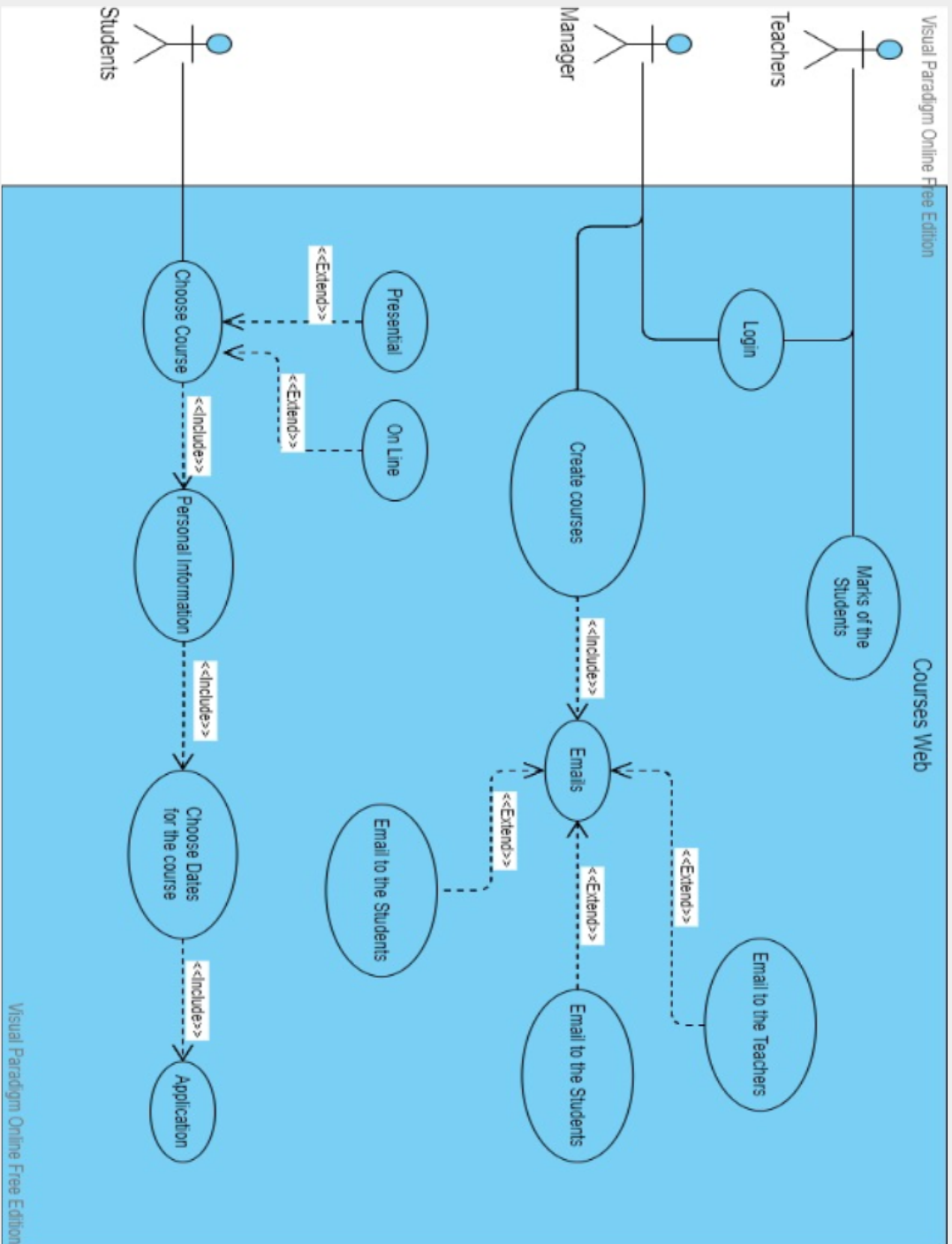
Non Fuctional Requeriments:

- Web page must always be accessible.
- The security of the web must be high
- The process to ask for a course must be easy to understand and easy to use.

System Requeriments:

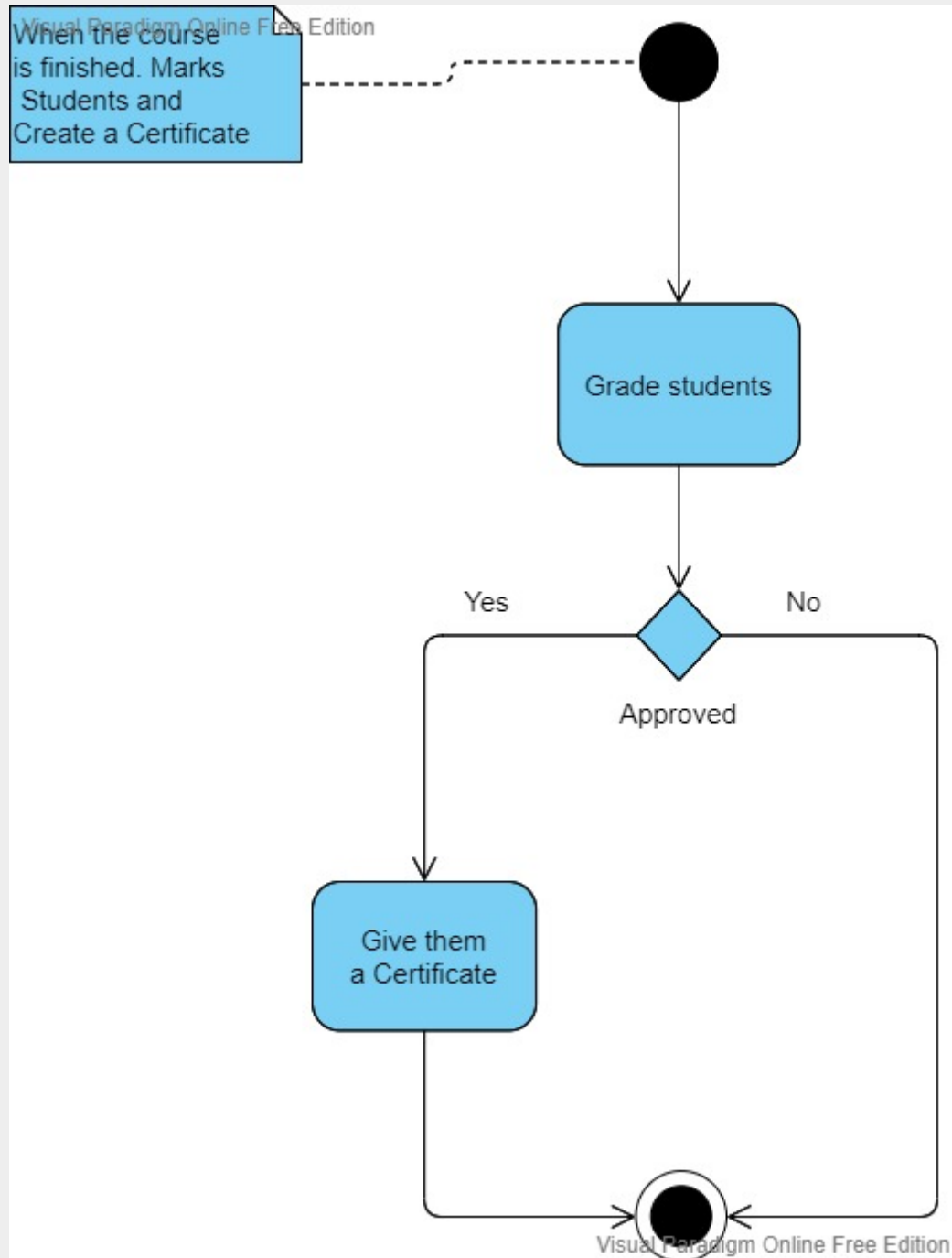
- A server with an installed database and large storage capacity.
- Internet connection.

Use Case Diagram:

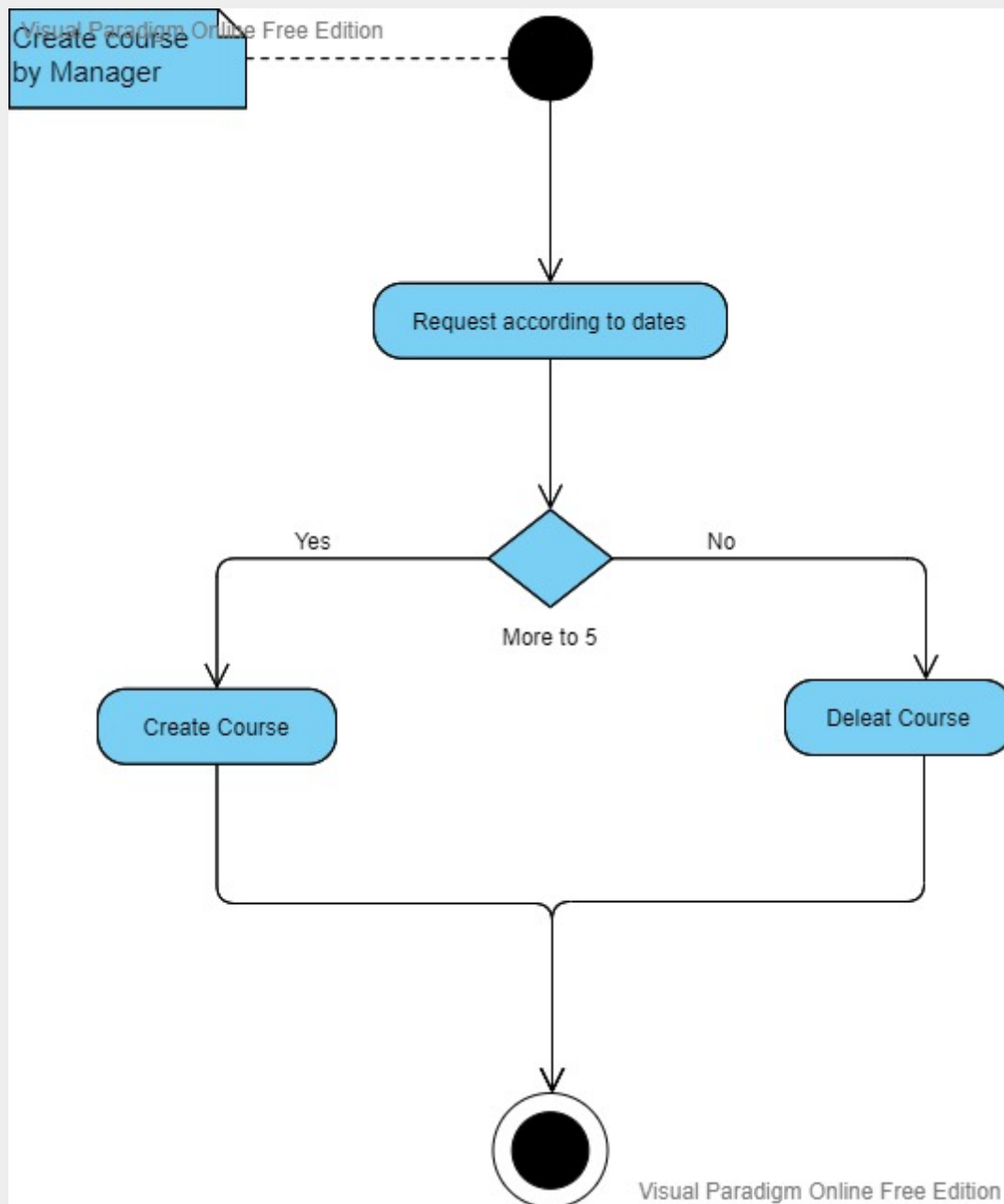


Activity Diagrams:

1. Grade Students.



2. Create a Course.



3. Class Diagram.

