



---

# GROUP ASSIGNMENT

APIIT LANKA

## COMP40003 – SOFTWARE DEVELOPMENT AND APPLICATION MODELLING

---

### INSTRUCTION TO CANDIDATES:

**Students are advised to underpin their answers with the use of references (cited using the Harvard Name System of Referencing).**

**Late submission will be awarded zero (0) unless Extenuating Circumstances (EC) are upheld.**

**Cases of plagiarism will be penalized.**

**Assignment presentation should be submitted in the form of softcopy and hardcopy both; modeling work should be submitted in softcopy form.**

- Lecturer: Mr. Upul Anuradha
- Semester: Year 1, Semester 2
- Group details
  - Dewmi Walgama (CB012189)
  - Senuth Wickramasinghe (CB011840)
  - Tehaan Perera (CB012129)

## Contents

Introduction.....	3
Use Case Diagram .....	4
Activity Diagrams.....	5
‘Add Employee’ Use Case .....	5
‘Add Training Course’ Use Case .....	6
‘Add Employee to Training Course’ Use Case .....	7

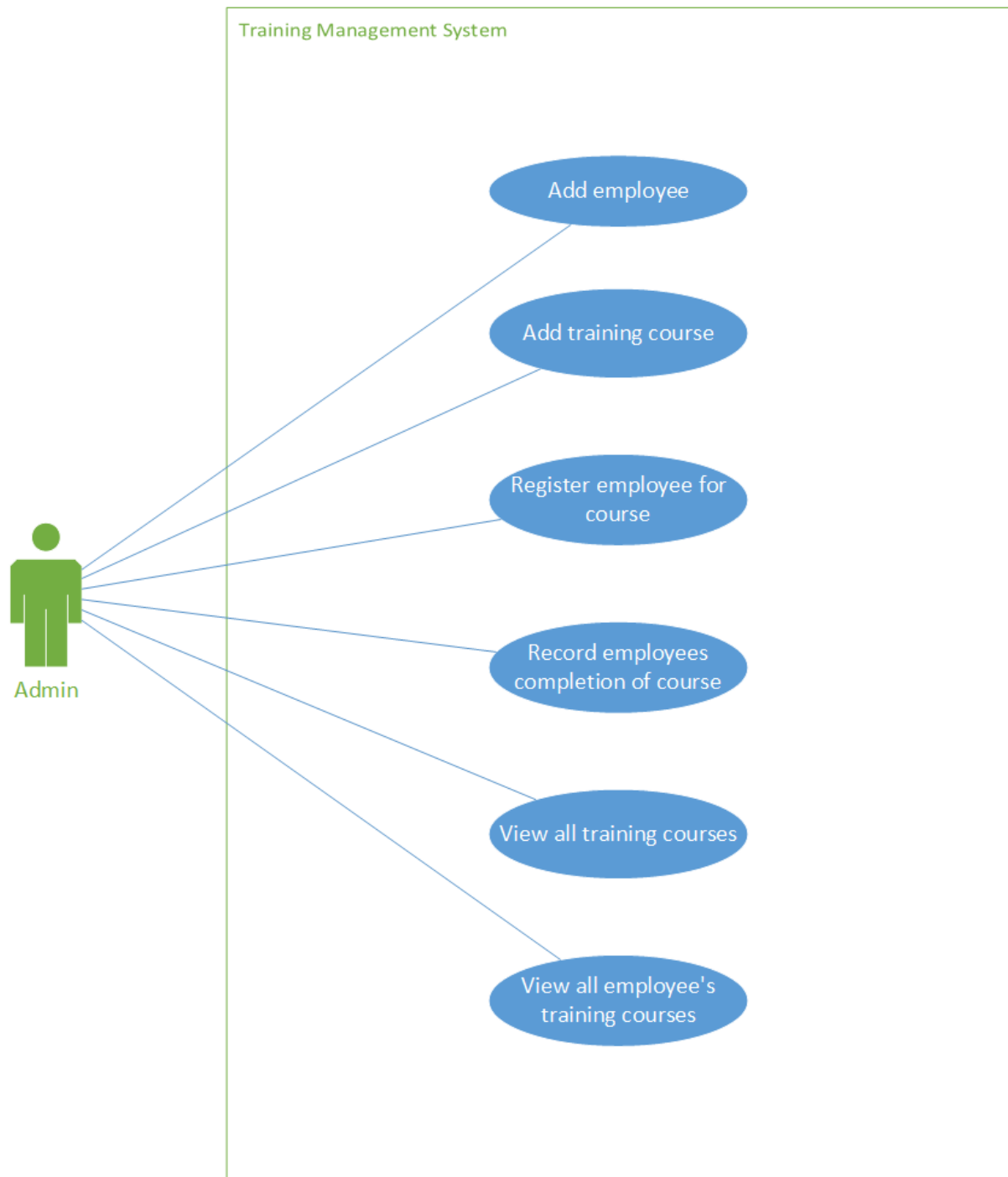
## Introduction

This is the report for the SDAM2 group assignment. For this assignment, the scenario given was an application for a training course system for employees which had basic functionality such as adding an employee, adding a new course, adding an employee to the course etc.

As per the requirements, the members of the group collectively designed a class diagram and a use case diagram for the entire application.

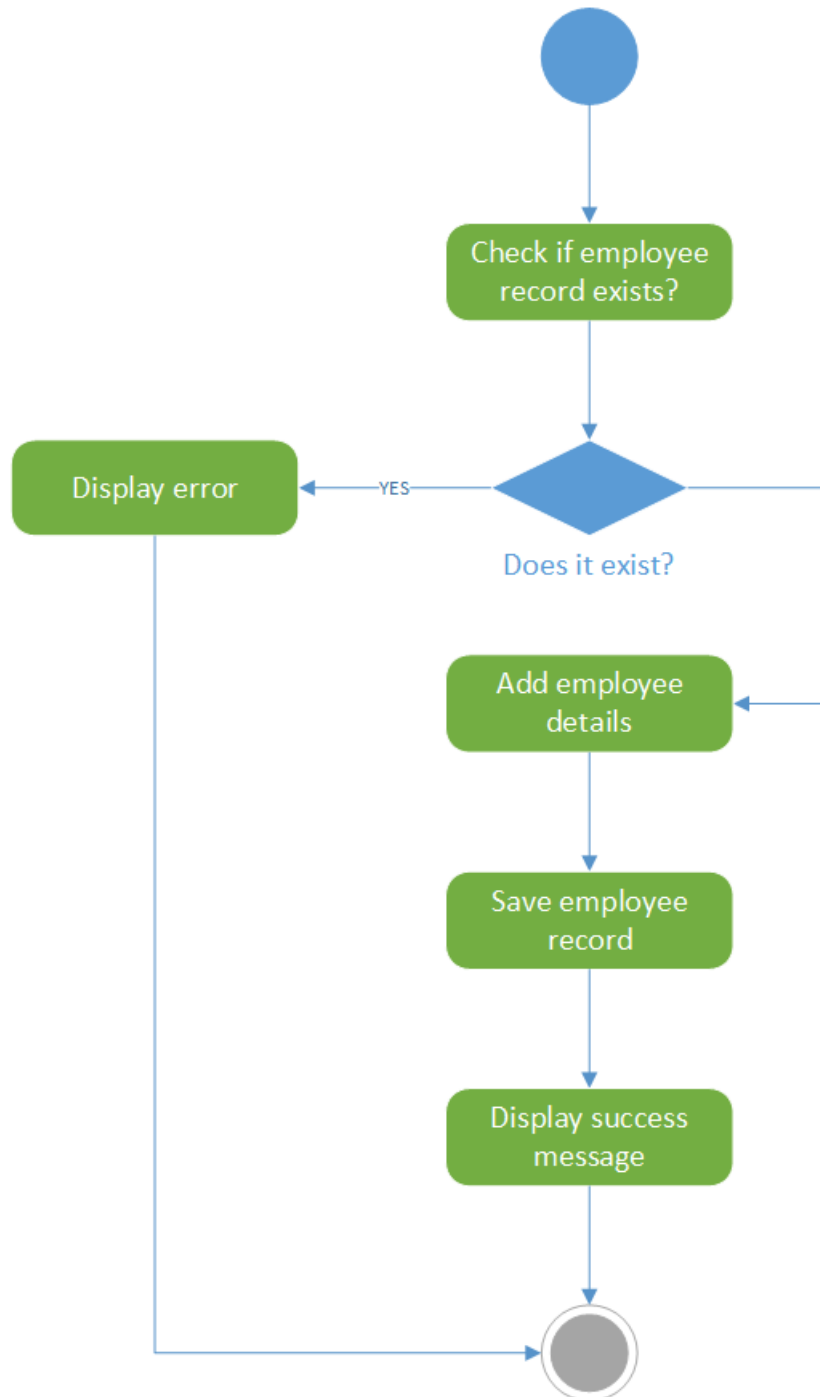
Furthermore, each group member chose one use case each developed an activity diagram and a sequence diagram for each use case.

## Use Case Diagram

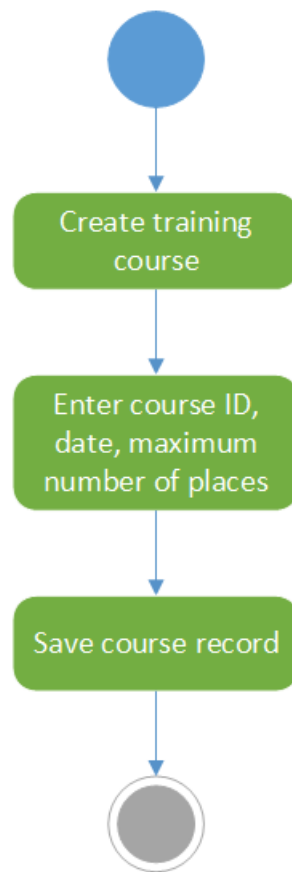


## Activity Diagrams

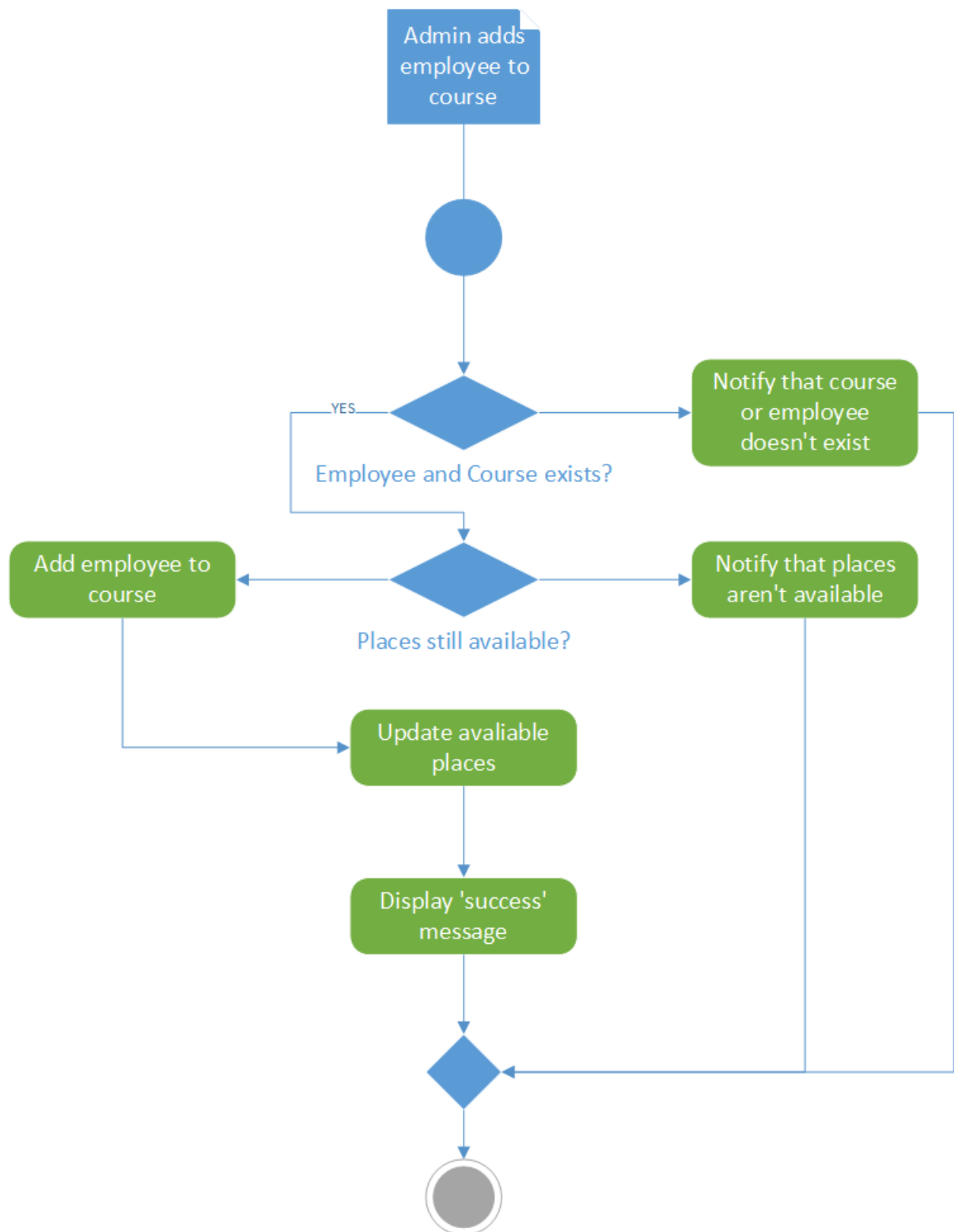
### ‘Add Employee’ Use Case



## ‘Add Training Course’ Use Case

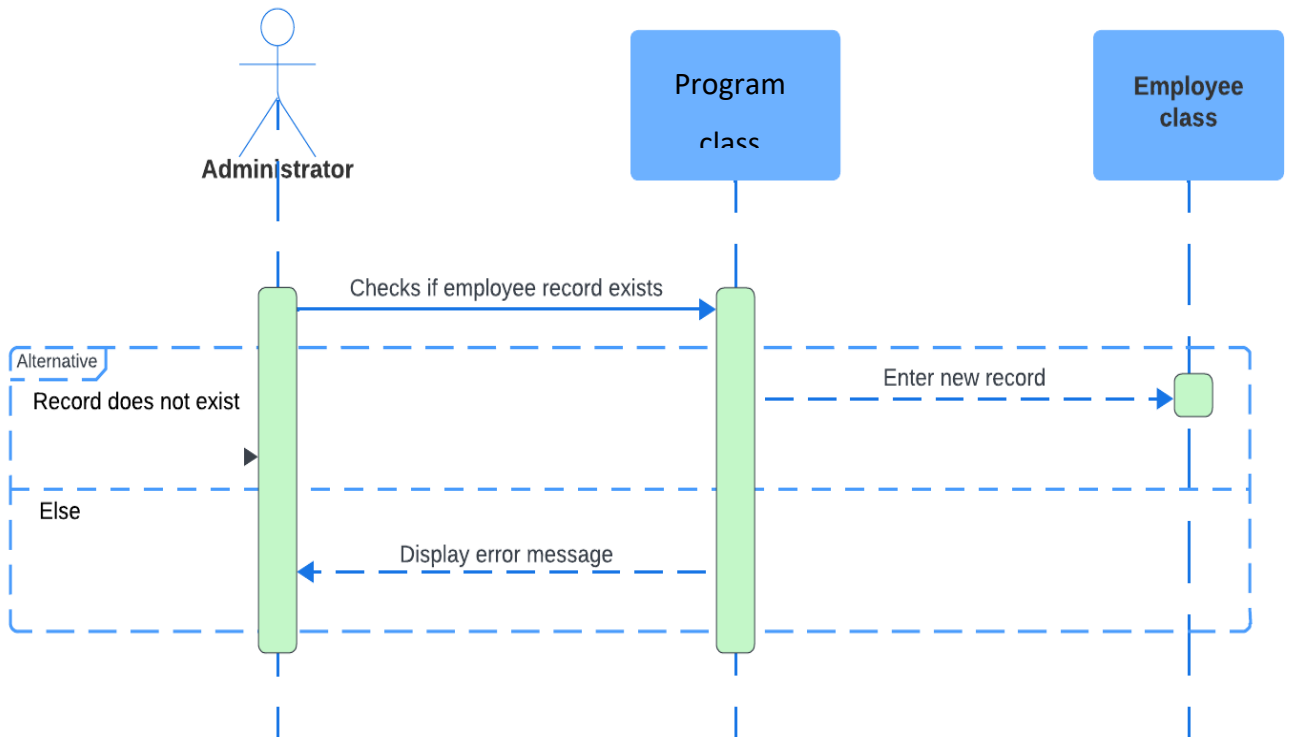


## ‘Add Employee to Training Course’ Use Case



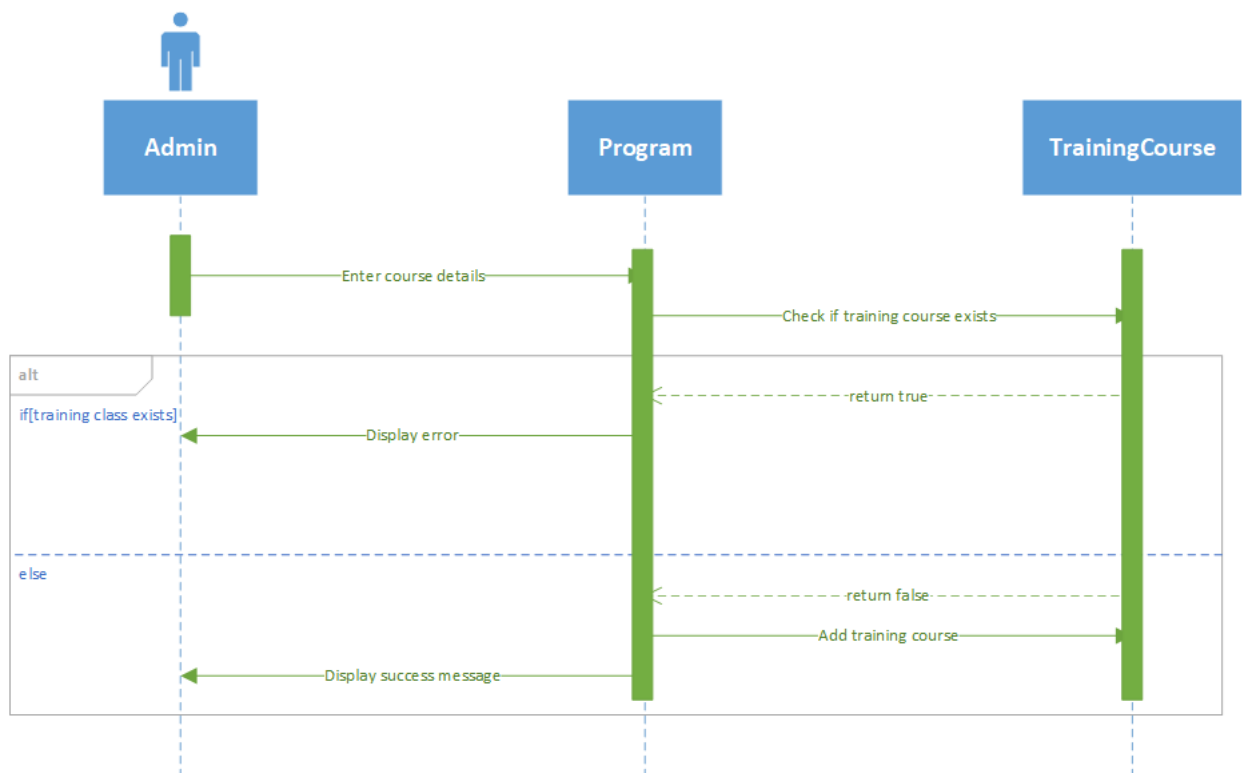
# Sequence Diagrams

## ‘Add Employee’ Use Case

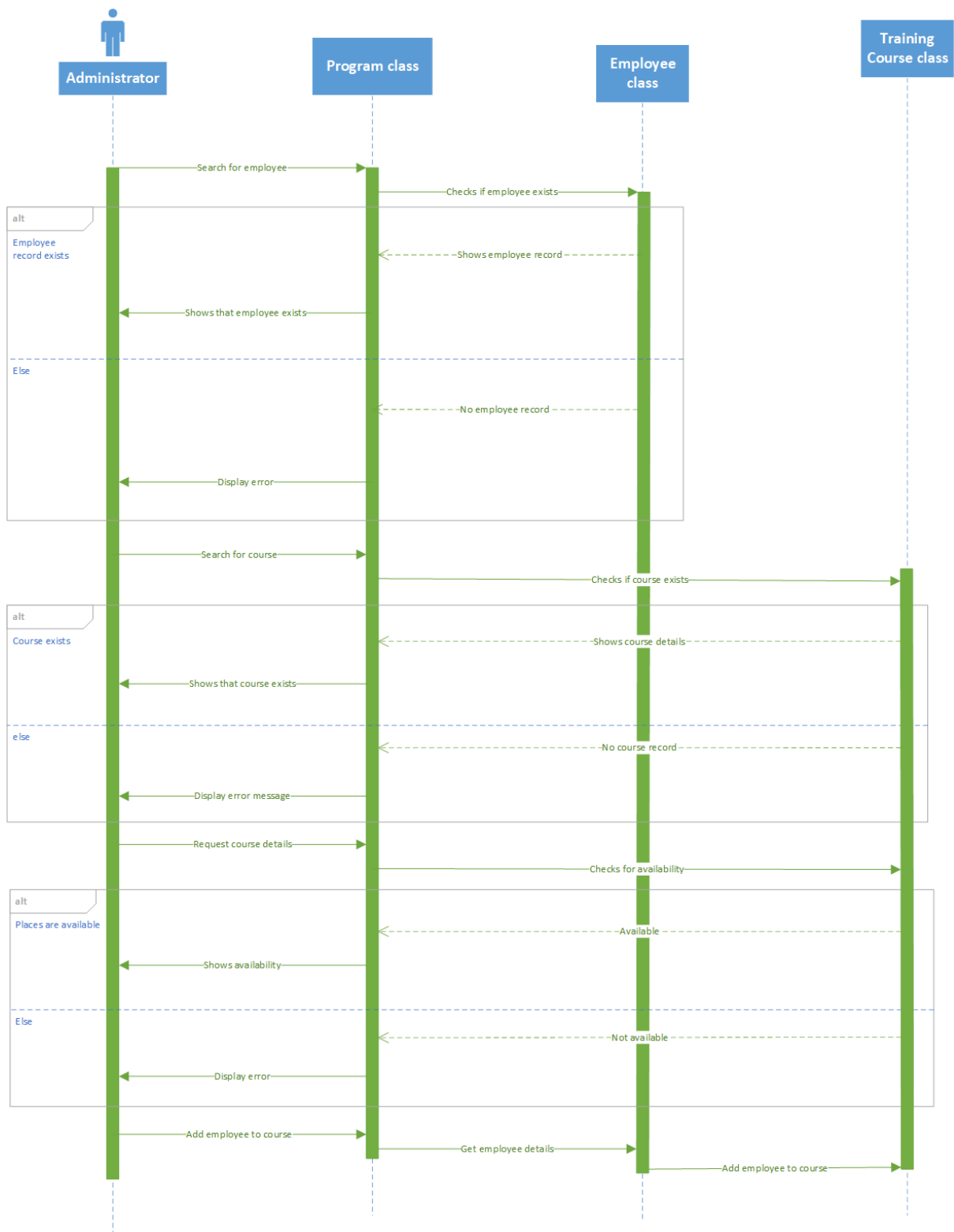




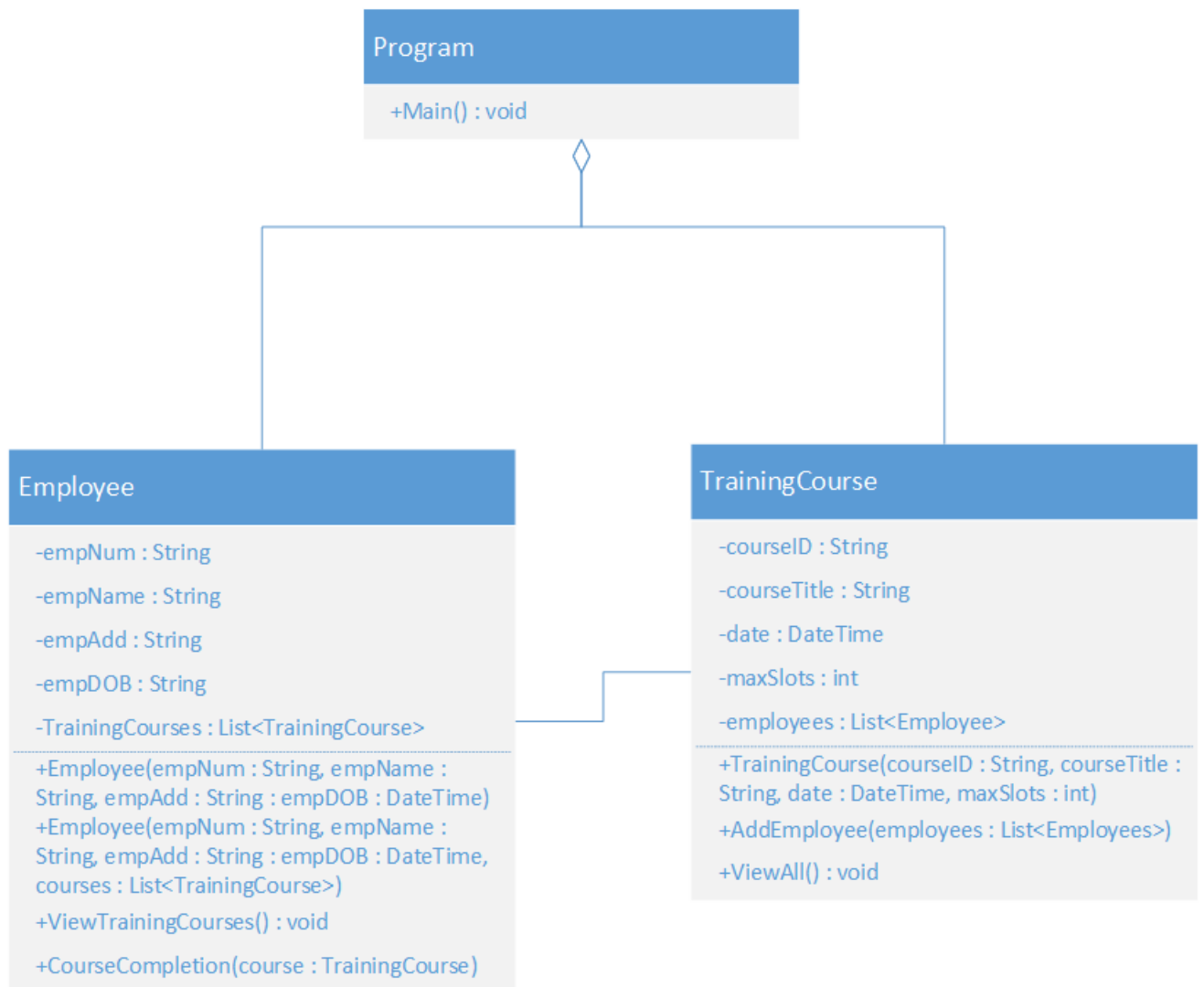
## ‘Add Training Course’ Use Case



## ‘Add Employee to Training Course’ Use Case



## Class Diagram



## Conclusion

In conclusion, our report focused on the detailed attendance management system in the SDAM-2 final assessment. In this work, we carefully constructed three process diagrams, three sequence diagrams, one class diagram and one, use case diagram to illustrate the simple operations of the system. We believe the conclusion of these diagrams demonstrates our team's commitment to discovering the principles of program design and execution.

We would like to express our sincere gratitude to our lecturer Mr. Upul Anuradha for his valuable guidance and unwavering support throughout this research. His expertise, guidance, and constructive feedback played an important role in our successful completion of this assessment.