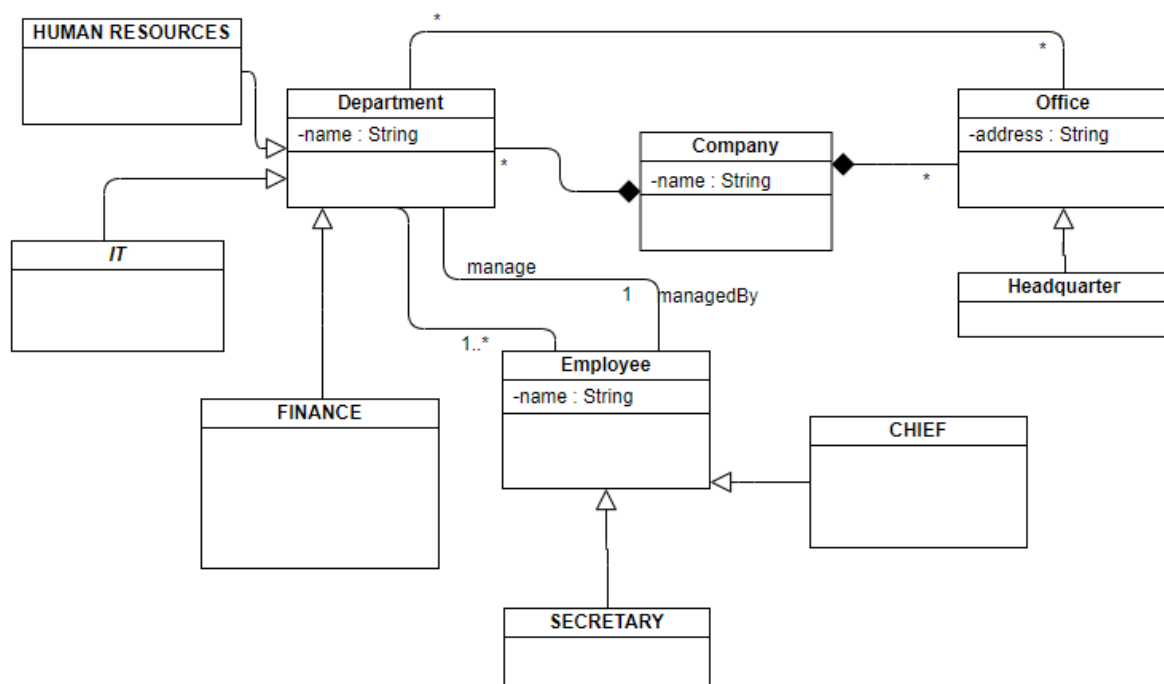Nompumelelo Mtshatsheni, Student Number: BXMDLL7W9

Object-Oriented Systems Analysis and Design

ITOO311 – Take Home Assessment
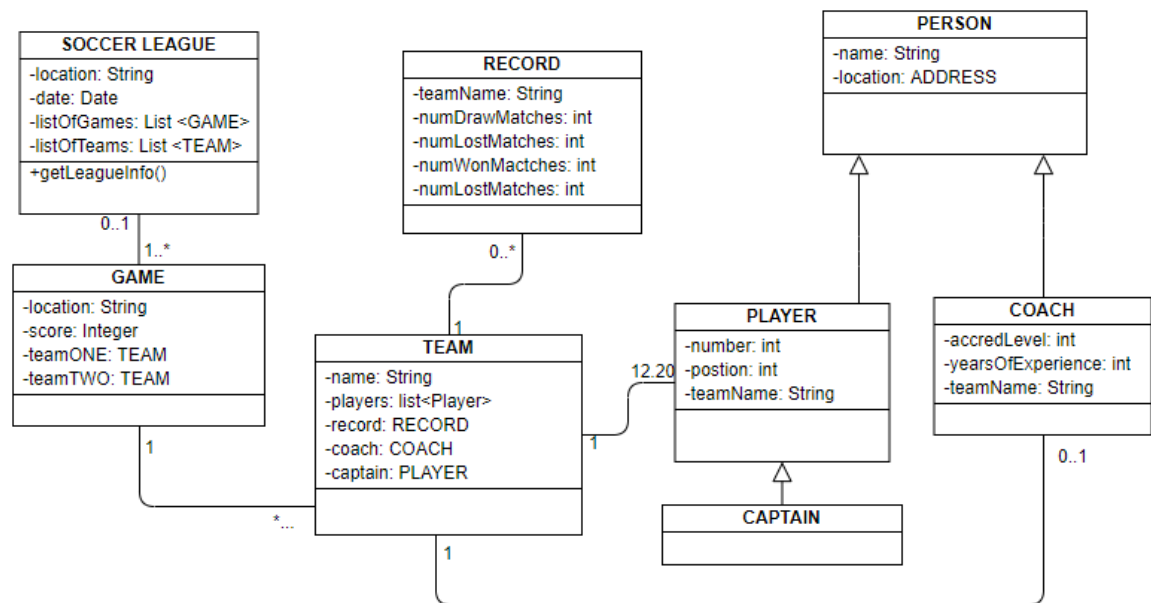
June 9, 2020

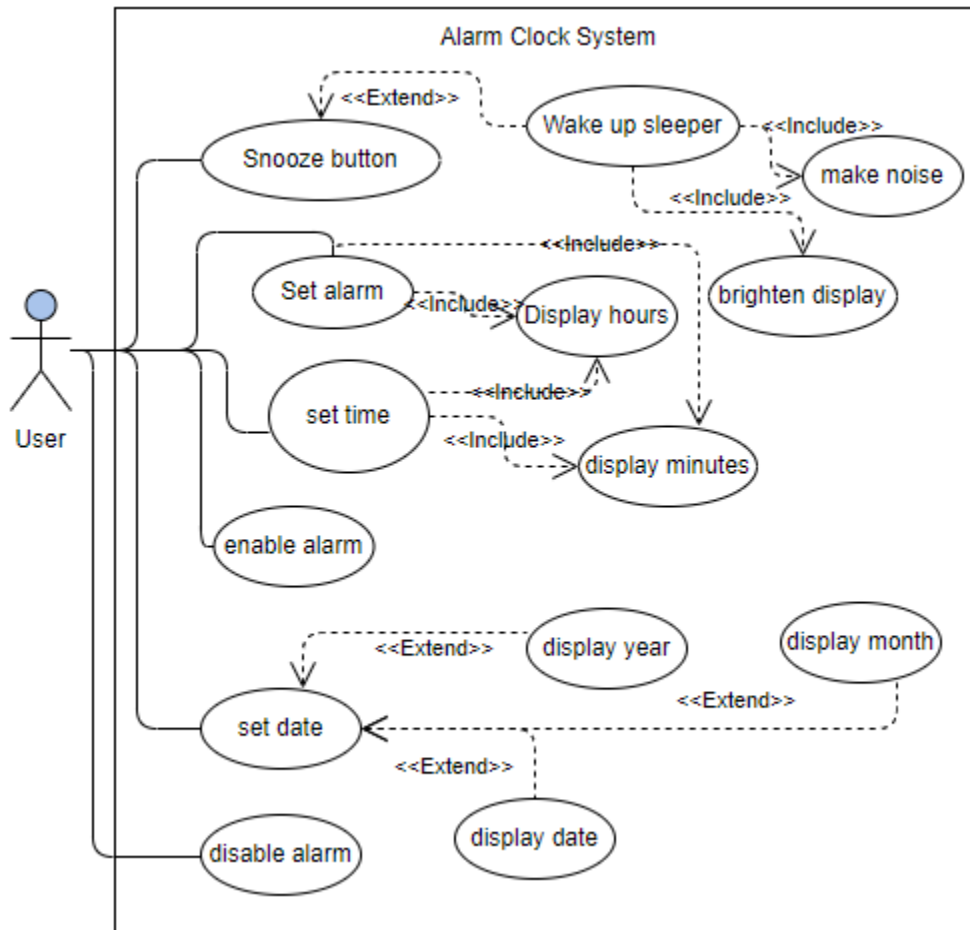Section A – Class Diagram

Question 1 – Isitimela Company

Question 2 – Soccer League

SOCCER LEAGUE
-location: String
-date: Date
-listOfGames: List <GAME>
-listOfTeams: List <TEAM>
+getLeagueInfo()

RECORD
-teamName: String
-numDrawMatches: int
-numLostMatches: int
-numWonMactches: int
-numLostMatches: int

PERSON
-name: String
-location: ADDRESS

0..1
1..*

GAME
-location: String
-score: Integer
-teamONE: TEAM
-teamTWO: TEAM

0..*
1

TEAM
-name: String
-players: list<Player>
-record: RECORD
-coach: COACH
-captain: PLAYER

PLAYER
-number: int
-postion: int
-teamName: String

COACH
-accredLevel: int
-yearsOfExperience: int
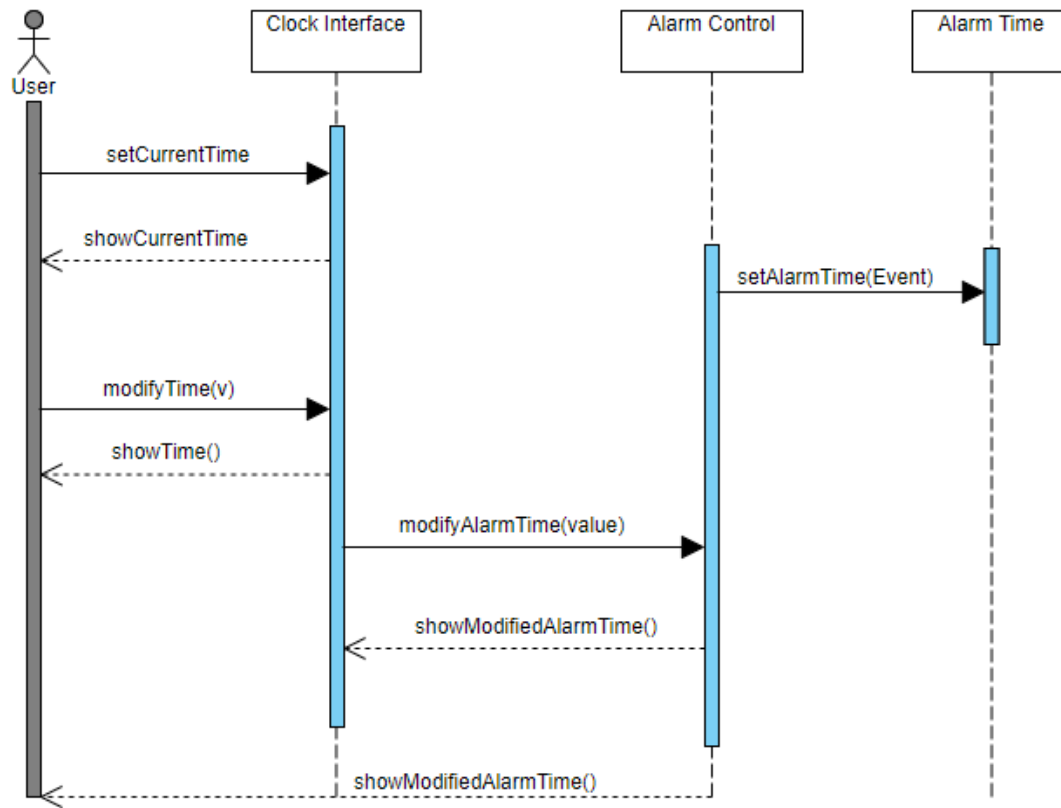-teamName: String

12.20
1

1
*...

CAPTAIN

0..1

1

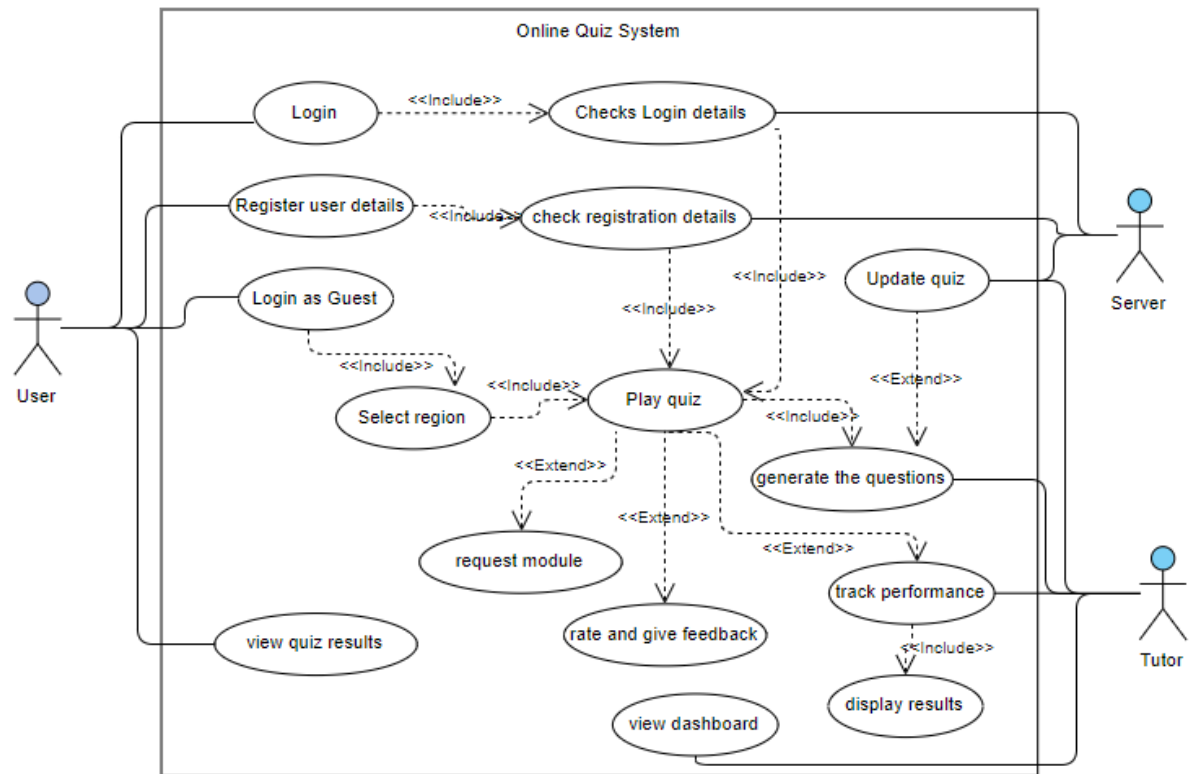Section B – Use Case Diagram & Sequence Diagram

Question 3 – The Alarm Clock

Question 4 – Sequence diagram

Question 5 – The Online Quiz

Question 6 – Login Diagram