American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science &Technology (FST)

Spring 2020-2021

CSC 2210 Object Oriented Analysis and Design (OOAD)

Section: F

Group No: 10

An Object-Oriented Analysis and Design (OOAD) project submitted
By

SL No	Student Name	Student ID	Contribution (%)
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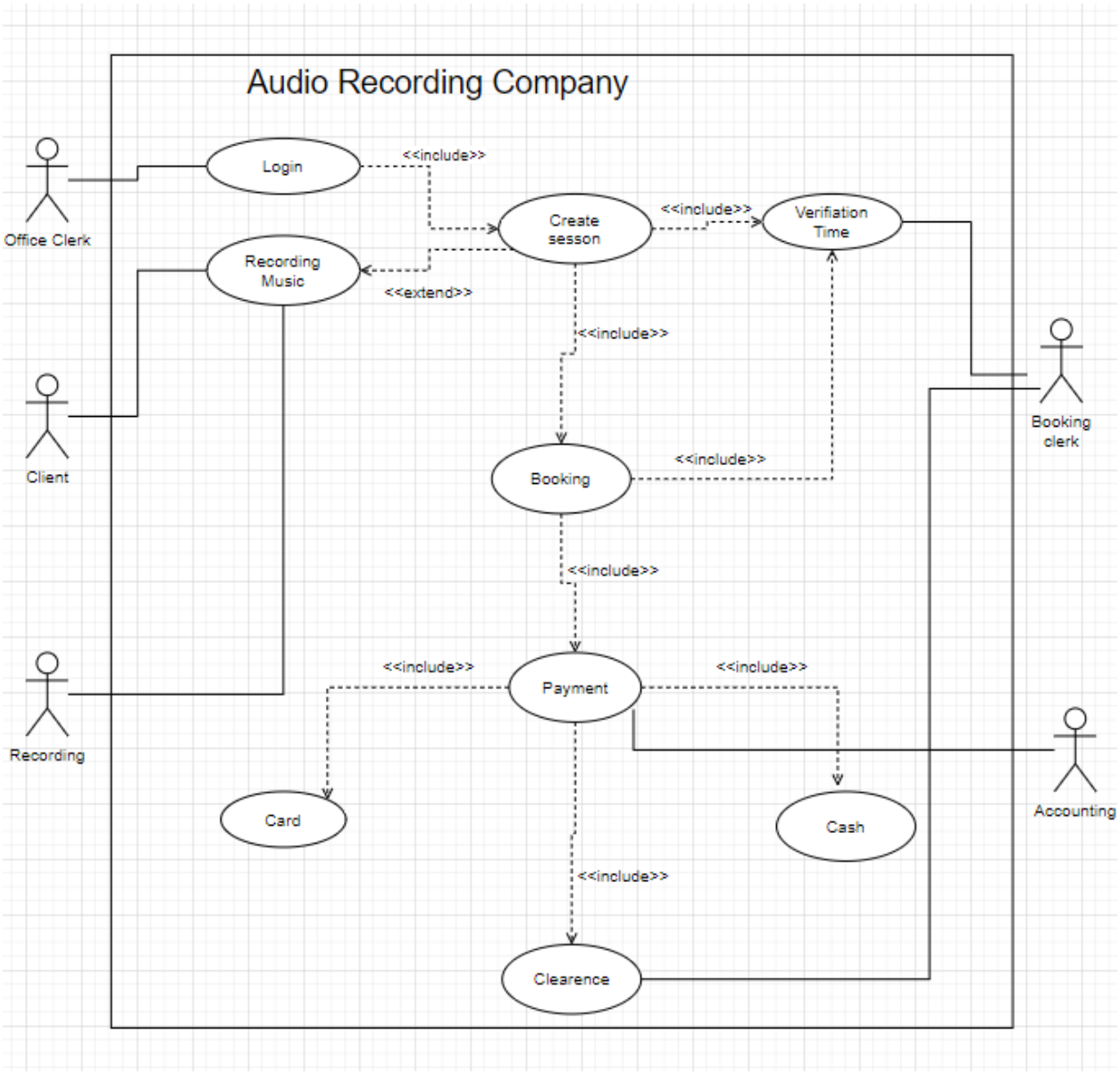
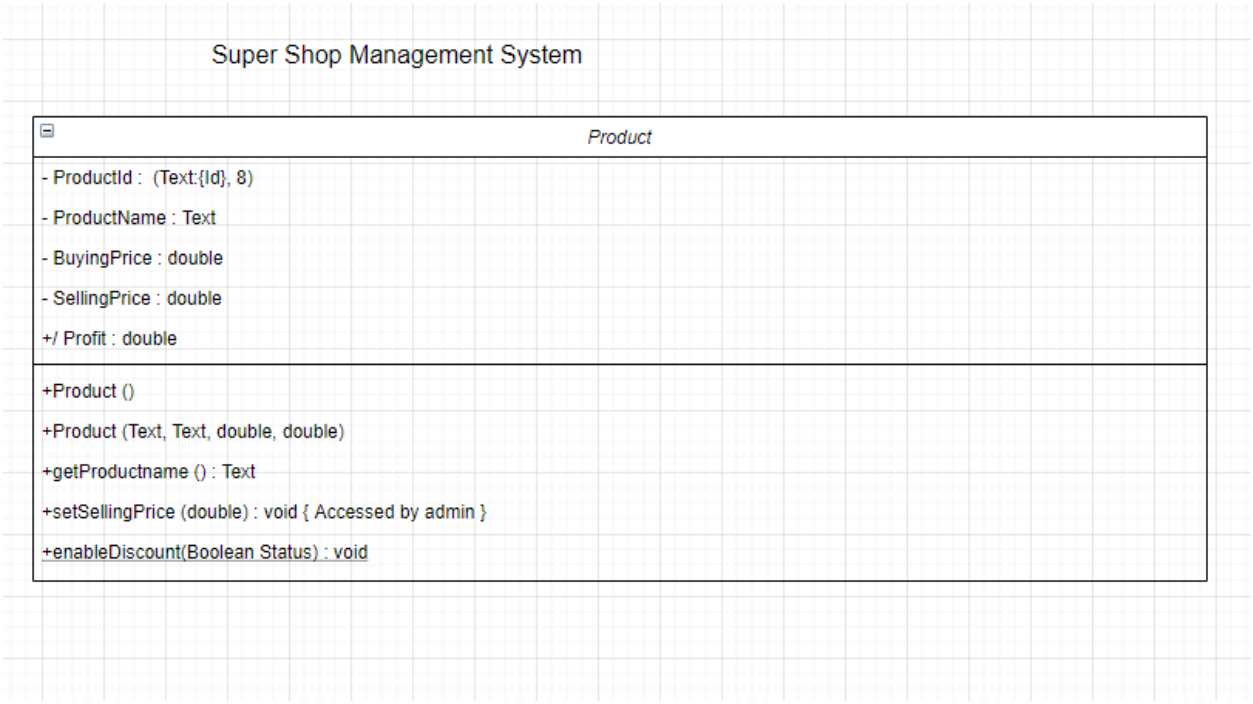
05			100%

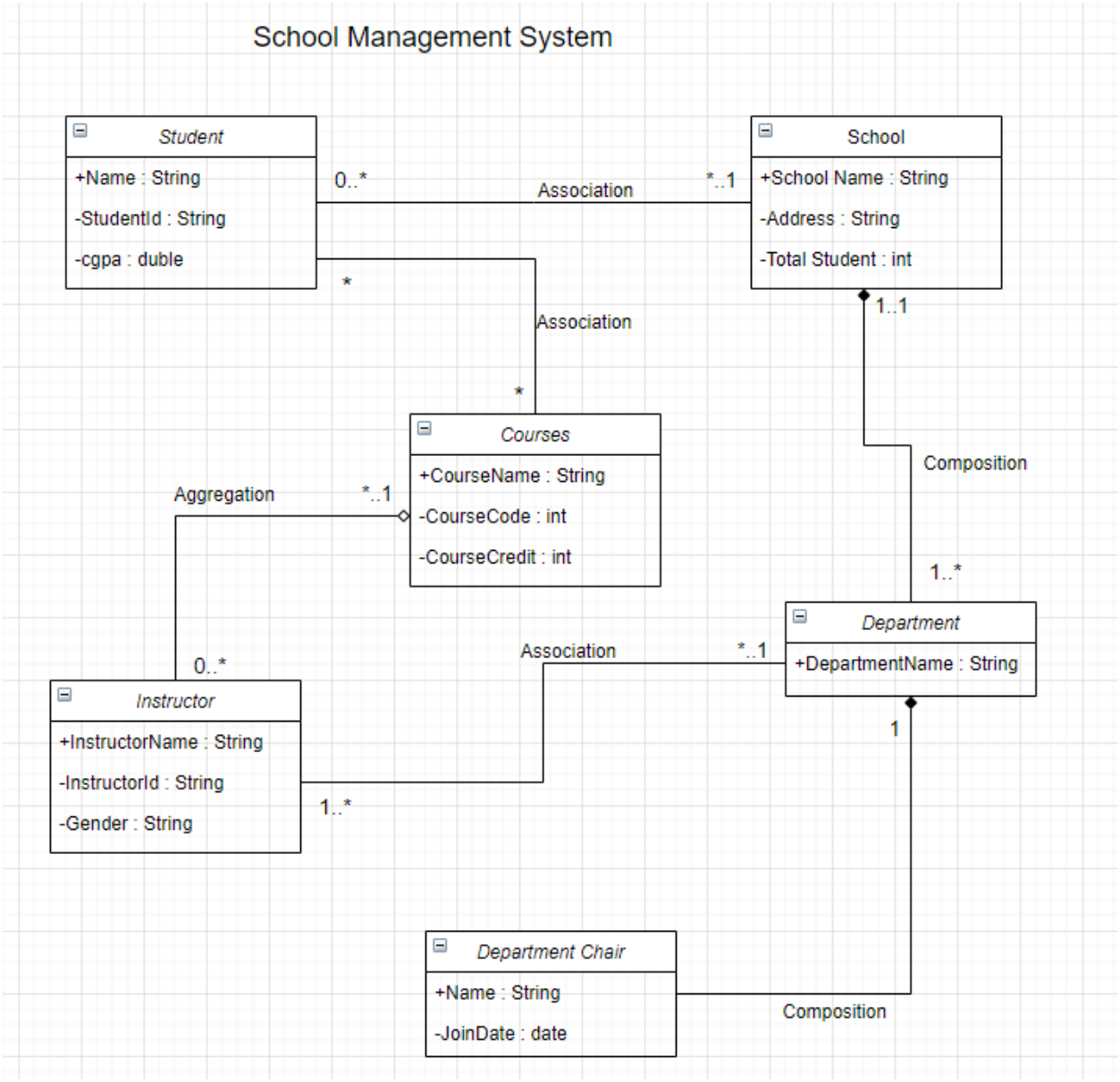
Answer: 01


Audio Recording Company
Office Clerk
Login
<<include>>
Create sesson
<<include>>
Verifiation Time
Recording Music
<<extend>>
<<include>>
Booking clerk
Client
Booking
<<include>>
<<include>>
Recording
<<include>>
Payment
<<include>>
Accounting
Card
Cash
<<include>>
Clearence

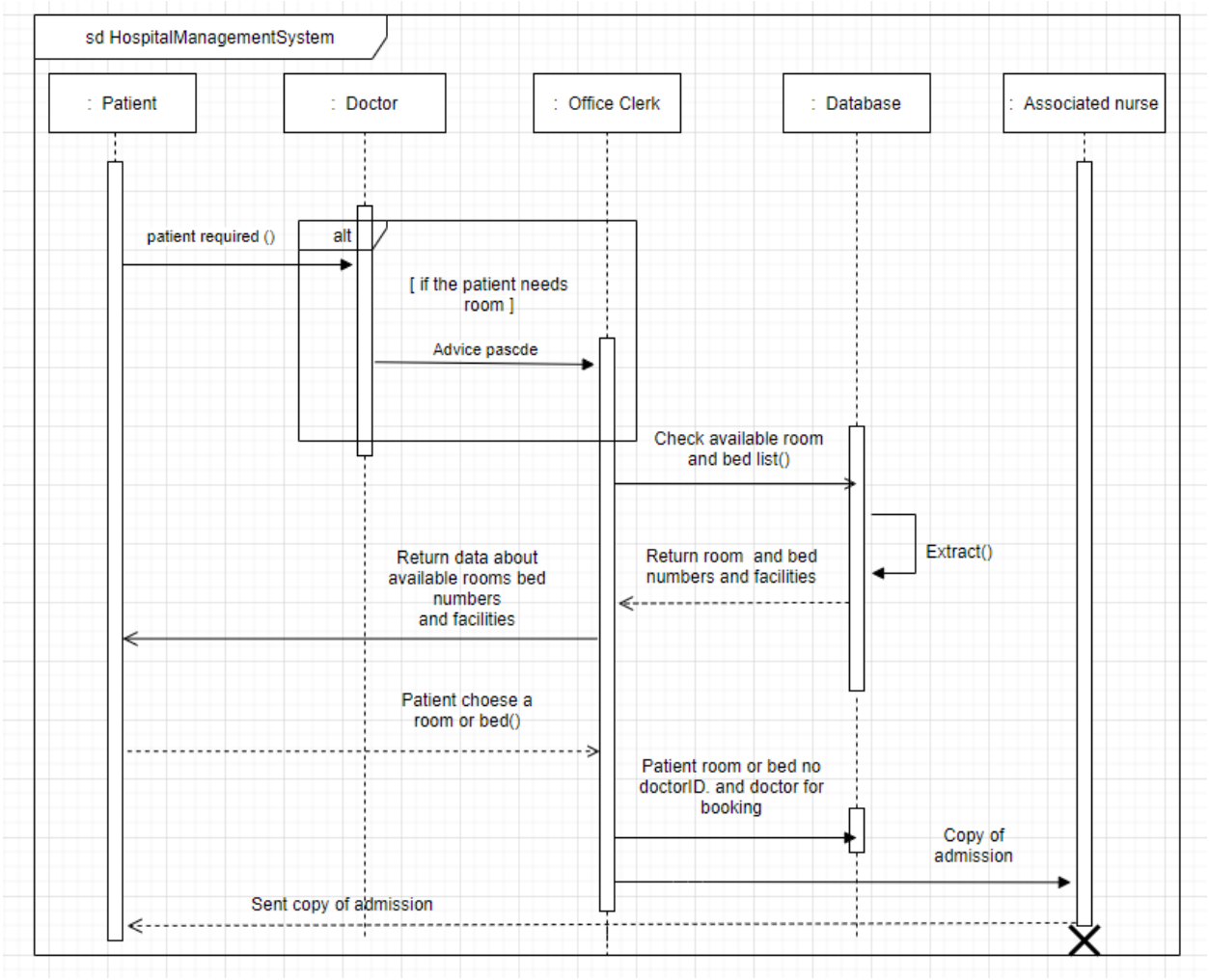
Answer: 02


Super Shop Management System
Product
- ProductId : (Text:{Id}, 8)
- ProductName : Text
- BuyingPrice : double
- SellingPrice : double
+/ Profit : double
+Product ()
+Product (Text, Text, double, double)
+getProductname () : Text
+setSellingPrice (double) : void { Accessed by admin }
+enableDiscount(Boolean Status) : void

Answer: 03


School Management System
Student
+Name : String
-StudentId : String
-cgpa : duble
School
+School Name : String
-Address : String
-Total Student : int
Courses
+CourseName : String
-CourseCode : int
-CourseCredit : int
Department
+DepartmentName : String
Instructor
+InstructorName : String
-InstructorId : String
-Gender : String
Department Chair
+Name : String
-JoinDate : date
0..*
Association
*..1
*
Association
*
1..1
Composition
Aggregation
*..1
1..*
0..*
Association
*..1
1
1..*
Composition

Answer: 04


sd HospitalManagementSystem
: Patient
: Doctor
: Office Clerk
: Database
: Associated nurse
patient required ()
alt
[if the patient needs room]
Advice pascde
Check available room and bed list()
Extract()
Return room and bed numbers and facilities
Return data about available rooms bed numbers and facilities
Patient choese a room or bed()
Patient room or bed no doctorID. and doctor for booking
Copy of admission
Sent copy of admission