

Submitted Dated : 26 April ,Sunday 2020.

## Mid Term Assignment

### Object oriented System Analysis And Design

*Total Marks :30*

Submitted to :

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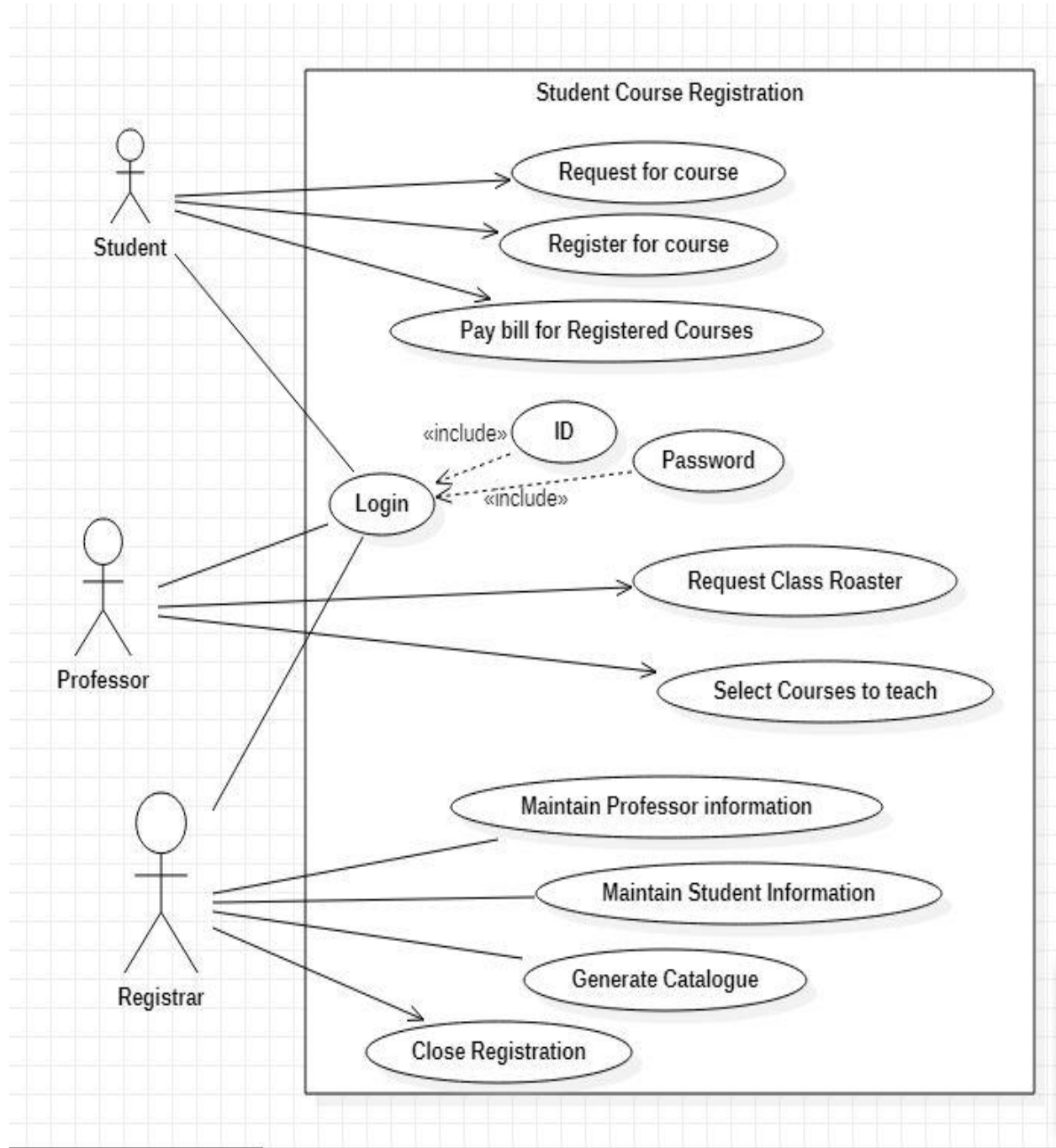
***ID = 6844***

***BS (SE) Section B (8<sup>th</sup> semester)***



### Q1: Draw Use Case diagram

Answer:



### **Description:**

The following use cases are represent for each actor.

Student :

Register for courses  
Request for Courses  
Pay bill for Registered Courses

Professor :

Select courses to teach  
Request course roaster

Registrar:

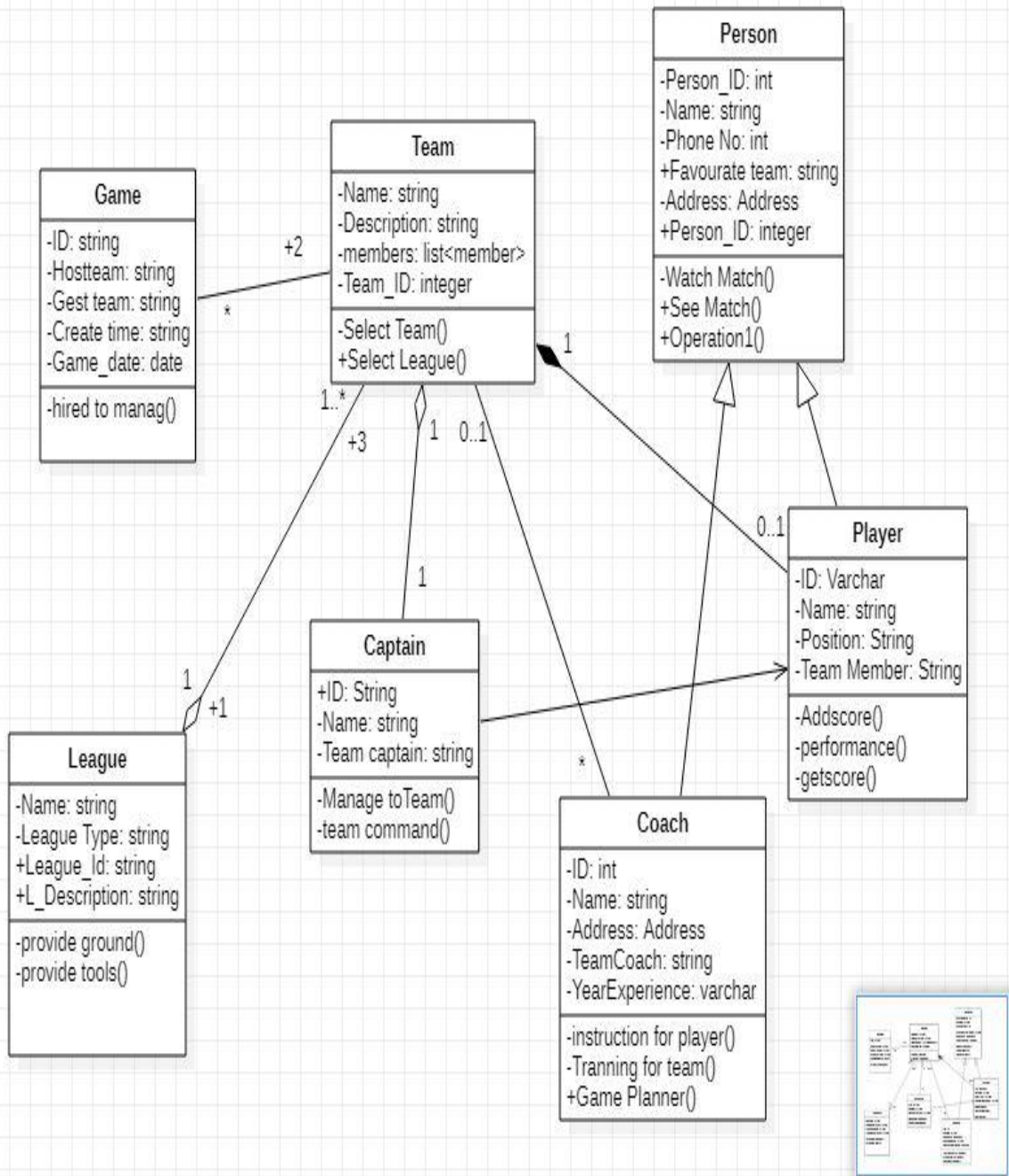
Generate course catalogue.  
Maintain professor information.  
Maintain student information.  
Close Registration

### **A brief description of use case.**

- The **Register for courses** use case is started by the student. Student provides the capability to create, review,modify,pay for registered courses and delete a course schedule for a specified semester.
- The **Request class roster** use case is started by the professor. Professor provides the capability to request a printed list of all students assigned to a specified course offering.
- A **Select courses to teach** use case is started by the professor. Professor provides the capability to select,review, and delete a list of courses to teach for a specified semester.
- The **Maintain professor information** use case is started by the registrar. Registrar provides the capability to create,review, modify, and delete professor information.
- A **Maintain student information** use case is started by the registrar. Registrar provides the capability to create,review, modify, and delete student information of the class.
- A **Generate catalogue** use case is started by the registrar. Registrar provides the capability to generate a catalogue containing a list of course offerings for a specified semester.

## Q2: Draw Class Diagram

Answer:



## **Description:**

The following Class diagram are represent for each class.

Game, Team, Persons, Player, League, Captain, Coach,

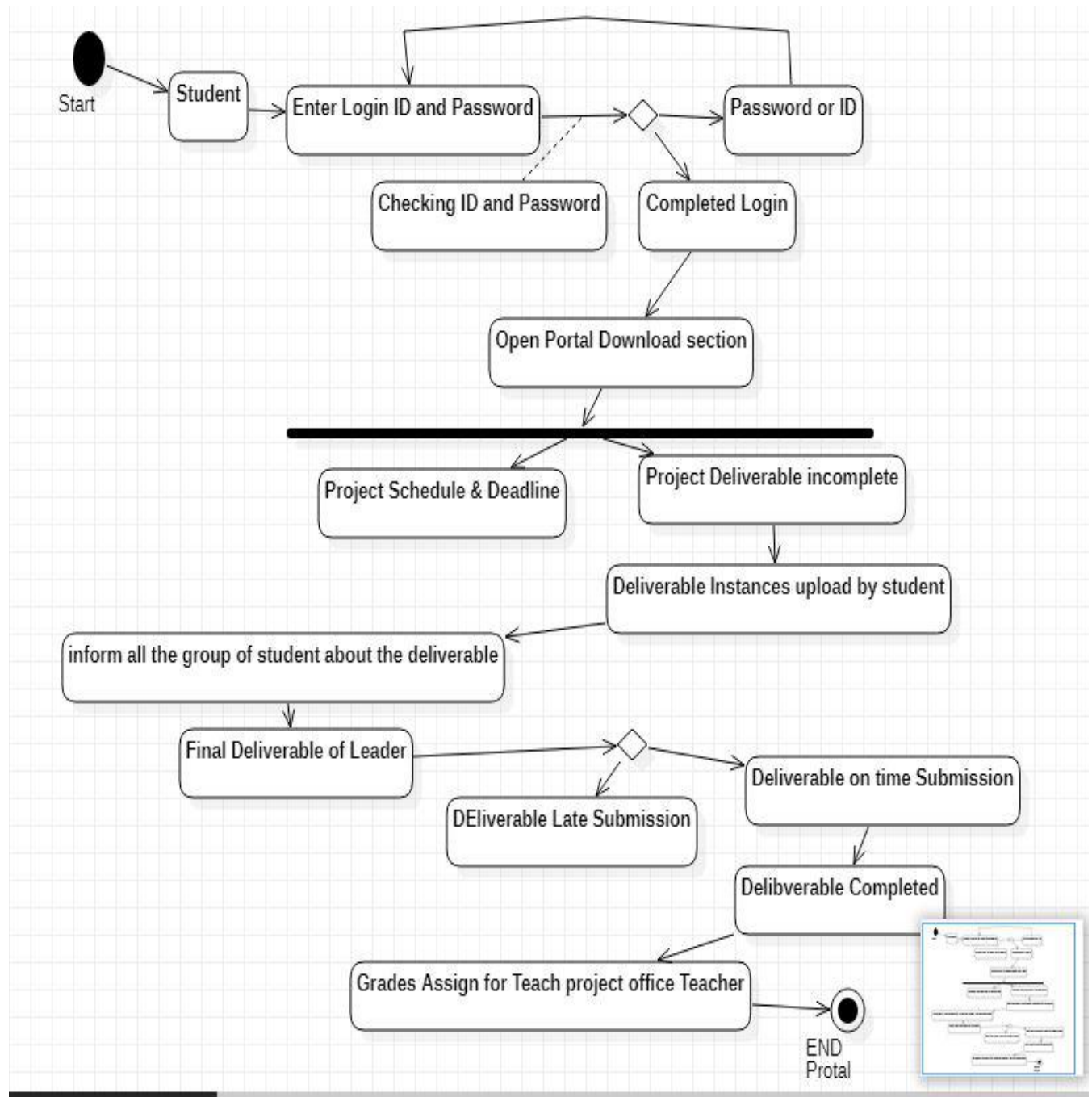
## **A brief description of Class diagram.**

Suppose the following requirements for a simple class diagram for the Hockey League :

- The Hockey **League** has many teams, each team has a name, a city, a coach, a captain, and a set of players,
- Each **player** belongs to only one team, each player has a name, a position (such as left wing or Right wing), a skill level, and a set of injury records,
- A **team** captain is also a Team player,
- A **game** is played between two teams (referred to as Host Team and Guest Team) , has a date and a score table.
- A **Coach** in hockey is the person responsible for directing the team during the games, practices, prepares strategy and decides which players will participate in games.
- A **person** is a watching the match and also they enjoy the match ,they are responsible for ticketing ,and enter in hockey ground.

### Q3: Draw Activity Diagram

Answer:



## **Description:**

The following Activity diagram are represent for Main system user  
Student , Supervisor , Teacher (Coordinator)

## **A brief description of Class diagram.**

The *Project Deliverable Submission System* portal is an online platform consists both of a website and an android application that will be utilized to assist in various processes of final year project management by any university. The Student start the login process ,student enter ID and password system will check the student ID and password After some time the login completed student will see the Download page or section.Student portal will be open ,student are watching two pages Project Schedule Deadline And Second page is Project deliverable incomplete portal will be inform all group of student about the deliverable after deliverable the are two option first is Deliverable Late submission and second deliverable on time submission ,the FYP Project will be upload submission is Completed . project will be Assign to Teacher office (Coordinator) or Supervisor In last student close the portal .

In the light of this administration, students can enlist their task with any supervisor of the organization. There will be great collaboration between Institution's students, Supervisors and specialists teachers. There will be high Knowledge Sharing between all the students of the university.

**End of the Paper**

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