Detail Design

On

School College Polytechnique Coaching center Special Batch Management

Course No: CSE 3204

Course Title: Software Engineering and Information System Project

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Class Admin

{

        Int adminID()

        String adminName(int adminID)

        String AdminAddress(ID)

        String AdminRole(int ID)

        List< School> getSchoolList(int SchoolID)

        List< college> getCollegeList(int CollegeID)

        List< polytechniqueList > getPolytechniqueList(int polyID)

        List < AdminList> getAdminList(int adminID, String AdminName)

        Boolean AddAdmin(int AdminID, String AdminName)

        Boolean EditAdmin(int AdminID, String AdminName, String AdminAddress)

}

Class Institution

{

        String InstitutionName()

        Int InstitutionID()

        List< School> getSchoolList(int SchoolID)

        List< college> getCollegeList(int CollegeID)

        List< polytechniqueList > getPolytechniqueList(int polyID)

}

Class School

{

      int InstitutionID()

      String InstitutionName(int institutionID)

      List< School> getSchoolList(int SchoolID)

      List< Student > getStudentList(int StudentID)

      Boolean EditSchool(School)

      Boolean AddSchool(School)

      String getStudentResult(int StudentID)

      String getParentsContactNo(int ParentID)

      List< Teacher> getTeacherList(Teacher)

      Boolean AddSchool(School)

      Boolean EditSchool(School)

      String ResultInfo(int StudentID)

}

Class College

{

      int InstitutionID()

      String InstitutionName(int institutionID)

      List< College> getCollegeList(int CollegeID)

      List< Student > getStudentList(int StudentID)

      Boolean EditCollege (College)

      Boolean AddCollege (College)

String getStudentResult(int StudentID)

String getParentsContactNo(int ParentID)

List< Teacher> getTeacherList(Teacher)

Boolean AddCollege(College)

Boolean EditCollege(College)

String ResultInfo(int StudentID)

}

Class Polytechnique

{

int InstitutionID()

String InstitutionName(int institutionID)

List< Polytechnique> get PolytechniqueList(int PolytechniqueID)

List< Student > getStudentList(int StudentID)

Boolean EditPolytechnique (Polytechnique)

Boolean AddPolytechnique (Polytechnique)

String getStudentResult(int StudentID)

String getParentsContactNo(int ParentID)

List< Teacher> getTeacherList(Teacher)

Boolean Add Polytechnique(Polytechnique)

Boolean Edit Polytechnique(Polytechnique)

String ResultInfo(int StudentID)

}

Class CoachingCenter

{

      int InstitutionID()

      String InstitutionName(int institutionID)

      List< Coachingcenter> get Coachingcenter(int CoachingcenterID)

      List< Student > getStudentList(int StudentID)

      Boolean EditCoachingcenter (Coachingcenter)

      Boolean AddCoachingcenter (Coachingcenter)

      String getStudentResult(int StudentID)

      String getParentsContactNo(int ParentID)

      List< Teacher> getTeacherList(Teacher)

      Boolean AddCoachingcenter (Coachingcenter)

      Boolean EditCoachingcenter (Coachingcenter)

      String ResultInfo(int StudentID)

}

Class SpecialBatch

{

      int InstitutionID()

      String InstitutionName(int institutionID)

      List< Specialbatch> getSpecialbatch(int SpecialbatchID)

      List< Student > getStudentList(int StudentID)

      Boolean EditSpecialbatch(Specialbatch)

      Boolean AddSpecialbatch(Specialbatch)

```
        String getStudentResult(int StudentID)

        String getParentsContactNo(int ParentID)

        List< Teacher> getTeacherList(Teacher)

        Boolean AddSpecialbatch(Specialbatch)

        Boolean EditSpecialbatch(Specialbatch)

        String ResultInfo(int StudentID)

}
```

Class Student

```
{

        Int getStudentID()

        String getStudentName(int ID)

        List<Student> getStudentList(int ID, String Name)

        Boolean Admission(int institutionID)

        Boolean AddStudent(Student)

        Boolean EditStudent(Student)

        Boolean SearchStudent(Student)

        Int getAttendance(int ID)

        Int getMarks(int ID)

        String Address(int ID)

        String getClassSchedule()

}
```

Class Parent

{

      Int getParent()

      String getParentName(int ID)

      List<Parent> getParentList(int ID, String Name)

      Int getMarks(int StudentID,int institutionID)

      String Address(int ID)

      Boolean AddParent(Parent)

      Boolean EditParent(Parent)

      Boolean JoinMeeting(int StudentID, int InstitutionID)

      String ReceiveMessage(int StudentID, int InstitutionID)

      String getClassSchedule()

}

Class Teacher

{

      Int getTeacher()

      String getTeacherName(int ID)

      List< Teacher > getTeacherList(int ID, String Name)

      Boolean AddTeacher(Teacher)

      Boolean EditTeacher(Teacher)

      Boolean CallMeeting()

      String SentMessage(int StudentID, int ParentID)

      String getClassSchedule()

```
}
```

Class MeetingSchedule

```
{

        Boolean CallMeeting(int ParentID, int TeacherID)

        String meetingTime(ID)

        Boolean Edit meetingTime(MeetingSchedule)

        String getMeetingPlace()

        String getMeetingTopic()

}
```

Class ClassSchedule

```
{

        String getClassTime()

        String getClassTeacher(int TeacherID)

        Boolean EditClassSchedule(ClassSchedule)

}
```

Class TuitionFees

```
{

        String getInstitutionID()

        String getTuitionAmount(TuitionFees)

}
```