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**Exam Management System**

**1.Exam Management System Activity**

**Activity /Flow for Exam Management System :**

* Course Class/Activity
* Date Sheet Class/Activity
* Paper Class/Activity
* Faculty Class/Activity
* Examination Class/Activity
* Student Class/Activity
* Marks Class/Activity
* Date Class/Activity
* Time Class/Activity
* Main Class/Activity

**2.Classes of Exam Management System :**

***These class operate specific task according to there specialty:***

**Student Class Examination Class Paper Class:** **Faculty Class Marks Class:**

**Course Class:** **Date Sheet Class:** **Date Class:** **Time Class:** **Main Class:**

**3.Classes and their attributes of Exam Management System:**

* **Student Class Attribute:**

student\_id, student\_college\_id, student\_name, student\_mobile, student\_email,

student\_password, student\_address.

**Examination Class Attribute:**

exam\_id, exam\_student, exam\_roll\_number, exam\_date, exam\_name, exam\_type, exam\_description.

* **Marks Class Attribute:**

marks\_id,marks\_student\_id,marks\_result,marks\_number,marks\_type, marks\_description.

* **Course Class Attribute:** course\_id,course\_student\_id,course\_registration,course\_type,course\_year, course\_description
* **Paper Class Attribute:** paper\_id,paper\_exam,paper\_subject,paper\_type,paper\_name\_paper\_description.
* **Faculty Class Attribute:**

faculty\_id, faculty\_name, faculty\_teacher\_id, faculty\_room, faculty\_type, faculty\_description.

* **Date Class Attribute:**
  + - Day,Month,Year.
* **Time Class Attribute:**
  + - Hours,Min,Sec.
* **DateSheet Class Attribute:**
  + - I would not declared any of Attribute in this class.

**4.Classes and their method of Exam Management System:**

* **Student Class Methods:** 
  + - First of all, I will create all getter and setter of all attribute of attribute of Student Class.
    - Then I will create the following methods:
      * addStudents(),editStudent(),deleteStudent(),updateStudent(),saveStudent(), searchStudent(),toString()
* **Examination Class Methods:** 
  + - First of all, I will create all getter and setter of all attribute of attribute of Examination Class.
    - Then I will create the following methods:
      * addExamination(),editExamination(),deleteExamination(),updateExamination(), saveExaminatio(),searchExamination(), toString()
* **Marks Class Methods:**
  + - First of all, I will create all getter and setter of all attribute of attribute of Marks Class.
    - Then I will create the following methods:
      * addMarks(),editMarks(),deleteMarks(),updateMarks(),saveMarks(), searchMarks (), toString()
* **Course Class Methods:**
  + - First of all, I will create all getter and setter of all attribute of attribute of Course Class.
    - Then I will create the following methods:
      * addCourse(),editCourse (),deleteCourse (),updateCourse (),saveCourse (), searchCourse (), toString()
* **Paper Class Methods:**
  + - First of all, I will create all getter and setter of all attribute of attribute of Paper Class.
    - Then I will create the following methods:
      * addPaper(),editPaper (),deletePaper (),updatePaper (),savePaper (), search Paper (), toString()
* **Faculty Class Methods:**
  + - First of all, I will create all getter and setter of all attribute of attribute of Faculty Class.
    - Then I will create the following methods:
      * addFaculty(),editFaculty (),deleteFaculty (),updateFaculty (),saveFaculty (), searchFaculty (), toString()
* **DateSheet Class Methods:**
  + - I would call the Paper Class method, Student Class Method, Course Class Methods, Faculty Class Methods, and Examination Class Methods using inheritance.

**5 Output of The Exam Management System:**

* Exam’s object generate all Exam functionality .
* Course’s object generate all Course functionality.
* Faculty’s object generate all Faculty functionality.
* Paper’s object generate all Paper functionality.
* Marks’s object generate all Marks functionality.
* Student’s object generate all Students functionality.
* Date’s object generate Date in any class functionality.
* Time’s object generate Time in any class functionality.
* DateSheet’s object generate Date Sheet functionality.
* All of above Classes and their object will be create in Main Class and then we print the output.