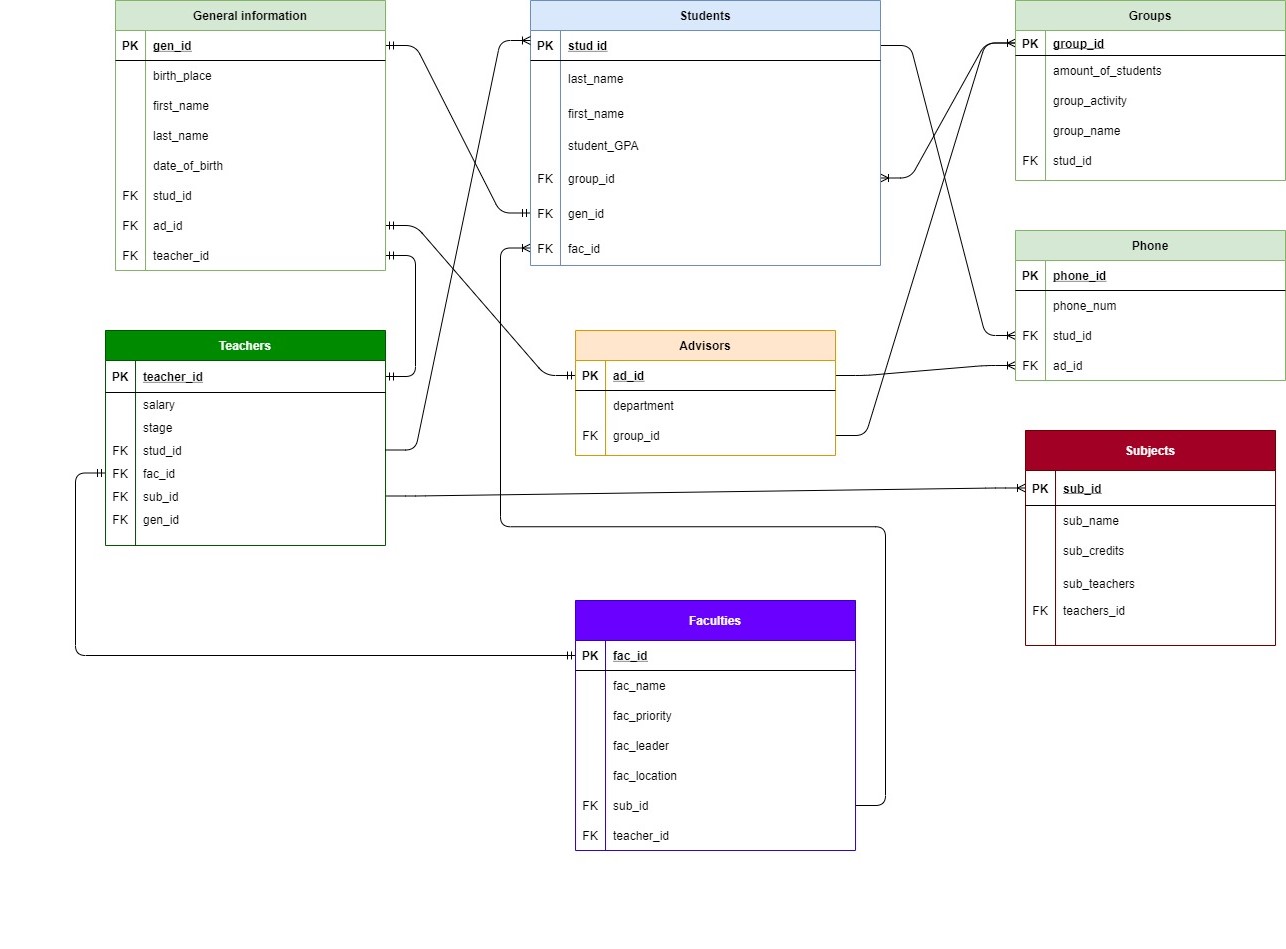
**Lab 3:Normalization.**



Student entity:

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| Student ID | stud\_id | N(4) | PK |
| First name | first\_name | C(50) | NOT NULL |
| Last name | last\_name | C(50) | NOT NULL |
| Student\_Gpa | student\_GPA | N(2) |  |
| Group number id | group\_id | N(5) | FK to Groups |
| General Information id | gen\_id | N(5) | FK to General Information |

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| Group ID | group\_id | N(5) | PK |
| Amount of students | Amount\_of\_students | C(10) | NOT NULL |
| Group\_activity | group\_activity | N(10) | NOT NULL |
| Group\_name | group\_name | N(5) | NOT NULL |
| Student\_id | stud\_id | N(4) | FK to Students |

Groups entity:

Phone entity:

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| Phone id | Phone\_id | N(5) | PK |
| Phone number | phone\_num | C(50) | NOT NULL |
| Student id | stud\_id | N(4) | FK to Students |
| Advisors id | ad\_id | N(5) | FK to Advisors |

Advisors entity:

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| Advisor ID | add\_id | N(5) | PK |
| Department | department | C(50) | NOT NULL |
| Group id | group\_id | N(5) | FK to Groups |

General information:

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| General ID | gen\_id | N(5) | PK |
| Birth place | birth\_place | D | NOT NULL |
| First name | first\_name | C(50) | NOT NULL |
| Last name | last\_name | C(50) | NOT NULL |
| Date of birth | date\_of\_birth | D | NOT NULL |
| Student id | stud\_id | N(4) | FK to Students |
| Advisor id | ad\_id | N(5) | FK to Advisors |
| Teacher id | teacher\_id | N(5) | FK to Teachers |

Teachers entity:

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| Teacher id | teacher\_id | N(5) | PK |
| Salary | salary | N(10) | NOT NULL |
| Stage | stage | N(5) | NOT NULL |
| Student id | stud\_id | N(4) | FK to Student |
| Faculties ID | fac\_id | N(5) | FK to Faculties |
| Subject ID | sub\_id | N(5) | FK to Subjects |
| General ID | gen\_id | N(5) | FK to General Information |

Faculties entity:

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| Faculties ID | fac\_id | N(5) | PK |
| Faculties name | fac\_name | C(50) | NOT NULL |
| Faculties priority | fac\_priority | B | NOT NULL |
| Faculties leader | fac\_leader | C(60) | NOT NULL |
| Faculties location | fac\_location | C(60) | NOT NULL |
| Subject ID | sub\_id | N(5) | FK to Subjects |
| Teacher id | teacher\_id | N(5) | FK to Teachers |

Subjects entity:

|  |  |  |  |
| --- | --- | --- | --- |
| Field’s content | Field’s name | Type, length | Note(constraints) |
| Subject id | sub\_id | N(5) | PK |
| Subject name | sub\_name | C(50) | NOT NULL |
| Subject credits | sub\_credits | N(5) | NOT NULL |
| Teachers id | teachers\_id | N(5) | FK to Teachers |