|  |  |  |  |
| --- | --- | --- | --- |
| ***Teacher*** | | | |
| ***Column name*** | ***Column type*** | ***Constraints*** | ***PK/FK*** |
| teacher\_id | serial | PRIMARY\_KEY | pk |
| first\_name | varchar(30) | NOT NULL |  |
| last\_name | varchar(30) | NOT NULL |  |
| phone\_number | varchar(16) |  |  |
| email | varchar(30) |  |  |
| qualification | varchar(100) | NOT NULL |  |
| work\_experience | integer |  |  |
| rating | integer |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Subject*** | | | |
| ***Column name*** | ***Column type*** | ***Constraints*** | ***PK/FK*** |
| subject\_id | serial | PRIMARY\_KEY | pk |
| title | varchar(30) | NOT NULL |  |
| rating | integer |  |  |
| description | varchar(200) |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Task*** | | | |
| ***Column name*** | ***Column type*** | ***Constraints*** | ***PK/FK*** |
| task\_id | serial | PRIMARY\_KEY | pk |
| task\_name | varchar(30) | NOT NULL |  |
| specification | varchar(1000) | NOT NULL |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Student*** | | | |
| ***Column name*** | ***Column type*** | ***Constraints*** | ***PK/FK*** |
| student\_id | serial | PRIMARY\_KEY | pk |
| group\_id | integer | NOT NULL  REFERENCES Group | fk |
| first\_name | varchar(30) | NOT NULL |  |
| last\_name | varchar(30) | NOT NULL |  |
| phone\_number | varchar(16) |  |  |
| email | varchar(30) |  |  |
| characterization | varchar(200) |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Group*** | | | |
| ***Column name*** | ***Column type*** | ***Constraints*** | ***PK/FK*** |
| group\_id | serial | PRIMARY\_KEY | pk |
| group\_name | varchar(30) | NOT NULL |  |
| specialization | varchar(30) |  |  |
| year\_of\_graduation | integer | NOT NULL |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Homework*** | | | |
| ***Column name*** | ***Column type*** | ***Constraints*** | ***PK/FK*** |
| task\_id | serial | PRIMARY\_KEY  REFERENCES Task | pk fk |
| course\_group\_id | serial | PRIMARY\_KEY  REFERENCES Course Group | pk fk |
| max\_size\_of\_team | integer | DEFAULT 1 |  |
| deadline | timestamp(0) |  |  |
| difficulty\_level | varchar(30) |  |  |
| comment | varchar(200) |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Course Group*** | | | |
| ***Column name*** | ***Column type*** | ***Constraints*** | ***PK/FK*** |
| course\_group\_id | serial | PRIMARY\_KEY | pk |
| teacher\_id | serial | NOT NULL  REFERENCES Teacher | fk |
| group\_id | serial | NOT NULL  REFERENCES Group | fk |
| subject\_id | serial | NOT NULL  REFERENCES Subject | fk |
| academic\_performance | varchar(30) |  |  |

Тут еще нужно CONSTRAINT MYUNIQUE UNIQUE(teacher\_id, group\_id, subject\_id)