# Data Dictionary

## **General Description**

Sails.js waterline does not allow composite primary key, therefore certain tables will use a surrogate key with the attribute id.

## teacher Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute | Description | DataType | Constraints | Null |
| teacher\_id | Unique ID of the teacher | int(11) | Primary Key,  Foreign Key -> user(user\_id) | No |
| email | Email of the teacher | varchar(255)  unique |  | Yes |

## student Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute | Description | DataType | Constraints | Null |
| student\_id | Unique ID of the student | int(11) | Primary Key,  Foreign Key -> user(user\_id) | No |
| email | Email of the student | varchar(255)  unique |  | Yes |
| status | 0=Suspended  1= Active | Tinyint(1) | Default(1) | No |

## teacher\_student Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute | Description | DataType | Constraints | Null |
| id | Generated row Identifier | int(10) | PrimaryKey Auto increment | No |
| teacher\_id | Unique ID of the teacher | int(11) | Composite Primary Key,  Foreign Key -> teacher (teacher\_id) | No |
| student\_id | Unique ID of the student | int(11) | Composite Primary Key,  Foreign Key -> student (student\_id) | No |

Unique(teacher\_id,student\_id)

## notification Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute | Description | DataType | Constraints | Null |
| notification\_id | Unique ID of the notification | int(11) | PrimaryKey  Auto\_increment | No |
| teacher\_id | Unique ID of the teacher | int(11) | Foreign Key -> teacher (teacher\_id) | No |
| text | notification | Varchar(255) |  | No |

## notification\_student Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute | Description | DataType | Constraints | Null |
| id | Generated row Identifier | int(10) | PrimaryKey Auto increment | No |
| notification\_id | Unique ID of the notification | int(10) |  | No |
| student\_id | Unique ID of the student | int(10) |  | No |

Unique(notification\_id,student\_id)