

## Database model documentation

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# 1. Model details

**Model name:**

Bara\_Natanael Physical Model

**Version:**

2.3

**Database engine:**

MySQL

**Description:**

## 2. Tables

### 2.1. Table students

#### 2.1.1. Columns

Column name	Type	Properties	Description
id	int	PK	
first_name	varchar(20)		
last_name	varchar(20)		
phone	int		
email	varchar(100)		
registration_date	timestamp		
active	boolean		

### 2.2. Table sessions

#### 2.2.1. Columns

Column name	Type	Properties	Description
id_session	int	PK	
students_id	int		
programming_languages_id	int		
session_time	int		
hour_cost	int		
paid	int		
session_data_placed	timestamp		
session_data_sch	datetime		
session_data_act	datetime		
session_status	boolean		

### 2.3. Table programming\_languages

#### 2.3.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(30)		
price_hour	int		

## 2.4. Table stud\_langs

### 2.4.1. Columns

Column name	Type	Properties	Description
id	int	PK	
students_id	int		
prog_lang_id	int		

## 2.5. Table stud\_langs\_students

### 2.5.1. Columns

Column name	Type	Properties	Description
stud_langs_id	int	PK	
students_id	int	PK	

## 2.6. Table stud\_langs\_programming\_languages

### 2.6.1. Columns

Column name	Type	Properties	Description
stud_langs_id	int	PK	
programming_languages_id	int	PK	

### 3. References

#### 3.1. Reference stud\_langs\_students\_stud\_langs

stud_langs	0..*	stud_langs_students
id	<->	stud_langs_id

#### 3.2. Reference stud\_langs\_students\_students

students	0..*	stud_langs_students
id	<->	students_id

#### 3.3. Reference stud\_langs\_programming\_languages\_stud\_langs

stud_langs	0..*	stud_langs_programming_languages
id	<->	stud_langs_id

#### 3.4. Reference

#### stud\_langs\_programming\_languages\_programming\_languages

programming_languages	0..*	stud_langs_programming_languages
id	<->	programming_languages_id

#### 3.5. Reference sessions\_students

students	0..*	sessions
id	<->	students_id

#### 3.6. Reference sessions\_programming\_languages

programming_languages	0..*	sessions
id	<->	programming_languages_id

## 4. Areas

### 4.1. Studenti subject area

#### 4.1.1. Tables

- students
- stud\_langs
- stud\_langs\_students

#### 4.1.2. References

- stud\_langs\_students\_stud\_langs
- stud\_langs\_students\_students
- stud\_langs\_programming\_languages\_stud\_langs
- stud\_langs\_programming\_languages\_programming\_languages
- sessions\_students
- sessions\_programming\_languages

### 4.2. Limbaje de programare subject area

#### 4.2.1. Tables

- programming\_languages
- stud\_langs\_programming\_languages

#### 4.2.2. References

- stud\_langs\_students\_stud\_langs
- stud\_langs\_students\_students
- stud\_langs\_programming\_languages\_stud\_langs
- stud\_langs\_programming\_languages\_programming\_languages
- sessions\_students
- sessions\_programming\_languages

### 4.3. Sesiuni subject area

#### 4.3.1. Tables

- sessions

#### 4.3.2. References

- stud\_langs\_students\_stud\_langs
- stud\_langs\_students\_students
- stud\_langs\_programming\_languages\_stud\_langs
- stud\_langs\_programming\_languages\_programming\_languages
- sessions\_students
- sessions\_programming\_languages