

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