



Achievements	
PK	<u>achievement_id</u> INT UNIQUE NOT NULL
FK	title CHAR(255) NOT NULL
FK	user_id CHAR(16) NOT NULL
	attachment MEDIUMBLOB
	is_verified BOOL NOT NULL

Notifications	
PK	<u>notification_id</u> UNIQUE INT NOT NULL
FK	receiver_id INT NOT NULL
	content MEDIUMTEXT NOT NULL

DiscussionMessages	
PK	<u>message_id</u> UNIQUE INT NOT NULL
FK	sender_id INT NOT NULL
FK	contest_id INT NOT NULL
	parent_id INT
	content MEDIUMTEXT NOT NULL
I	parent_id

TaggedProblems	
PFK	<u>problem_id</u> INT NOT NULL
PFK	<u>tag_id</u> INT NOT NULL

Tags	
PK	<u>tag_id</u> INT UNIQUE NOT NULL
	tag_name CHAR(31) UNIQUE NOT NULL

I	difficulty
I	created_at

Submissions	
PK	<u>submission_id</u> INT UNIQUE NOT NULL
FK	user_id INT NOT NULL
FK	problem_id INT NOT NULL
FK	contest_id INT NOT NULL
	submitted_at DATETIME NOT NULL
	source_code_language CHAR(15) NOT NULL
	source_code_file_id INT NOT NULL
	status <ENUM2> NOT NULL
I	status

Macros

<SET1>: SET("AD", "PS", "CU")

<ENUM2>: ENUM("AC", "P", "J", "WA", "TLE", "MLE", "RTE", "CE", "D")

<ENUM3>: ENUM("IOI", "ICPC", "VOI")

<ENUM4>: ENUM("CATEGORY", "SOURCE")

Notes

- Password must be **keccak256**-encrypted before inserting
- Contest ID for independent problems is 0
- Attributes of type MEDIUMTEXT should support Markdown when displaying

	tag_name <ENUM4> UNIQUE NOT NULL
	tag_type <ENUM4> NOT NULL
I	tag_name

PlagiarismReports	
PK	<u>report_id</u> INT UNIQUE NOT NULL
FK	submission_id INT NOT NULL
	moss_dump_file CHAR(255) NOT NULL





