

Code => one to one => Presence

User => one to many => Presence

User => one to many => Code

Class => one to many => Presence

Material => one to many => Presence

Code

Field	Type	Null	Key	Default	Extra
id	bigint(20) unsigned	NO	PRI	NULL	auto_increment
code	varchar(255)	NO		NULL	
maker_by	varchar(255)	NO		NULL	
used_by	varchar(255)	YES		NULL	
created_at	timestamp	YES		NULL	
updated_at	timestamp	YES		NULL	

Presence

Field	Type	Null	Key	Default	Extra
id	bigint(20) unsigned	NO	PRI	NULL	auto_increment
class_id	bigint(20) unsigned	NO		NULL	
material_id	bigint(20) unsigned	NO		NULL	
assistant_id	varchar(255)	NO		NULL	
code_id	bigint(20) unsigned	NO	MUL	NULL	
teaching_role	varchar(255)	NO		NULL	
date	date	NO		NULL	
start	time	NO		NULL	
end	time	YES		NULL	
duration	int(11)	YES		NULL	
created_at	timestamp	YES		NULL	
updated_at	timestamp	YES		NULL	

User

Field	Type	Null	Key	Default	Extra
id	bigint(20) unsigned	NO	PRI	NULL	auto_increment
assistant_id	varchar(255)	NO	UNI	NULL	
name	varchar(255)	NO		NULL	
role	varchar(255)	NO		NULL	
username	varchar(255)	NO	UNI	NULL	
password	varchar(255)	NO		NULL	
created_at	timestamp	YES		NULL	
updated_at	timestamp	YES		NULL	

Class

Field	Type	Null	Key	Default	Extra
id	bigint(20) unsigned	NO	PRI	NULL	auto_increment
class	varchar(255)	NO		NULL	
major	varchar(255)	NO		NULL	
faculty	varchar(255)	NO		NULL	
created_at	timestamp	YES		NULL	
updated_at	timestamp	YES		NULL	

Material

Field	Type	Null	Key	Default	Extra
id	bigint(20) unsigned	NO	PRI	NULL	auto_increment
name	varchar(255)	NO		NULL	
created_at	timestamp	YES		NULL	
updated_at	timestamp	YES		NULL	