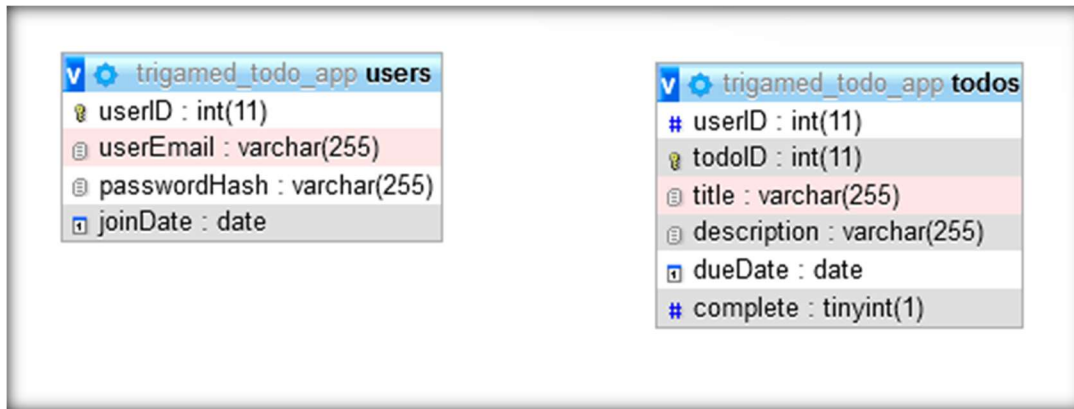


Todo App Database Design



I opted for a simple design, with more or less the bare minimum.

My implementation of MySQL doesn't support Foreign Keys, otherwise there would be a relation between the userID fields.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	userID	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	userEmail	varchar(255) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	3	passwordHash	varchar(255) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	4	joinDate	date		No	current_timestamp()			Change Drop More

Password hashing is done with BCrypt using PHP's built-in hashing solution that doesn't require salt storage.

joinDate isn't used anywhere in the app, but it was easy to add and I like having it for my own records.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	userID	int(11)		No	None			Change Drop More
<input type="checkbox"/>	2	todoID	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	3	title	varchar(255) latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	4	description	varchar(255) latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	5	dueDate	date		Yes	NULL			Change Drop More
<input type="checkbox"/>	6	complete	tinyint(1)		No	0			Change Drop More

Todos are grouped by userID and are fetched that way. dueDate and description are nullable as I consider them optional features in a todo list.