Database structure: Mapping Expeditions

Table expeditions:

Contains all saved expeditions including meta data like leader or start date of the expedition.

#	Name	Typ	Kollation	Attribute	Null	Standard	Kommentare	Extra
1	exp_id 🔑	int(4)			Nein	kein(e)	Auto-incremented ID of the expedition.	AUTO_INCREMENT
2	exp_name	varchar(120)	utf8_general_ci		Nein	kein(e)	Name of the expedition	
3	startdate	date			Nein	kein(e)	Start date of the expedition.	
4	enddate	date			Nein	kein(e)	End date of the expedition.	
5	leader	varchar(50)	utf8_general_ci		Ja	NULL	Leader of the expedition.	
6	external_info_src	varchar(800)	utf8_general_ci		Nein	kein(e)	A source for external information e.g. a link or literature.	

Indizes ❓

Schlüsselname	Typ	Unique	Gepackt	Spalte	Kardinalität	Kollation	Null	Kommentar
PRIMARY	BTREE	Ja	Nein	exp_id	2	A	Nein	

Table places:

Contains all saved places and their geographical coordinates.

#	Name	Typ	Kollation	Attribute	Null	Standard	Kommentare	Extra
1	placeid 🔑	int(4)			Nein	kein(e)	Auto-incremented ID of the place.	AUTO_INCREMENT
2	place_name	varchar(50)	utf8_general_ci		Nein	kein(e)	Current name of the place.	
3	latitude	decimal(10,8)			Nein	kein(e)	Latitude of the place.	
4	longitude	decimal(11,8)			Nein	kein(e)	Longitude of the place.	

Indizes ❓

Schlüsselname	Typ	Unique	Gepackt	Spalte	Kardinalität	Kollation	Null	Kommentar
PRIMARY	BTREE	Ja	Nein	placeid	34	A	Nein	

Table placesinexpeditions:

Contains all places an expedition has confirmedly visited and data regarding this visit.

#	Name	Typ	Kollation	Attribute	Null	Standard	Kommentare	Extra
1	expeditionid	int(4)			Nein	*kein(e)*	ID of the expedition from the expeditions table.	
2	placeid 🔑	int(4)			Nein	*kein(e)*	ID of the place from the places table.	
3	sequence	int(4)			Nein	*kein(e)*	Sequence number of this place in the expedition.	
4	name	varchar(50)	utf8_general_ci		Nein	*kein(e)*	Name of the place.	
5	date	date			Ja	*NULL*	Date the expedition arrived at the place.	
6	place_info	varchar(2000)	utf8_unicode_ci		Nein	*kein(e)*	Text about the visit of this place by the expedition.	
7	place_info_src	varchar(400)	utf8_general_ci		Nein	*kein(e)*	Source of the info text.	
8	hasImages	bit(1)			Nein	0	Whether there are images saved for this place or not.	

Indizes

Schlüsselname	Typ	Unique	Gepackt	Spalte	Kardinalität	Kollation	Null	Kommentar
PRIMARY	BTREE	Ja	Nein	placeid	0	A	Nein	

Table expedition_routes:

Contains all geographical coordinates that are necessary to recreate the assumed route of the expedition.

#	Name	Typ	Kollation	Attribute	Null	Standard	Kommentare	Extra
1	exp_id 🔑	int(4)			Nein	*kein(e)*	ID of the expedition from the expeditions table.	
2	sequence 🔑	int(6)			Nein	*kein(e)*	Sequence number of the point in the route.	
3	lat	decimal(10,8)			Nein	*kein(e)*	Latitude of the point.	
4	lng	decimal(11,8)			Nein	*kein(e)*	Longitude of the point.	

Indizes

Schlüsselname	Typ	Unique	Gepackt	Spalte	Kardinalität	Kollation	Null	Kommentar
exp_id	BTREE	Ja	Nein	exp_id	2	A	Nein	
				sequence	1113	A	Nein	

Table images:

Contains all images that are saved on the server, the places they belong to and data to retrieve them.

#	Name	Typ	Kollation	Attribute	Null	Standard	Kommentare	Extra
1	img_id 🔑	int(4)			Nein	*kein(e)*	Auto-incremented ID of the image.	AUTO_INCREMENT
2	exp_id	int(4)			Nein	*kein(e)*	ID of the expedition this image belongs to.	
3	place_id	int(4)			Nein	*kein(e)*	ID of the place this image belongs to.	
4	file_name	char(255)	utf8_general_ci		Nein	*kein(e)*	File name of the image.	
5	img_description	char(255)	utf8_general_ci		Ja	*NULL*	A description of the image.	
6	img_src	char(255)	utf8_general_ci		Ja	*NULL*	The source of the image.	
7	img_creator	char(255)	utf8_general_ci		Ja	*NULL*	The creator of the image.	

Indizes ❓

Schlüsselname	Typ	Unique	Gepackt	Spalte	Kardinalität	Kollation	Null	Kommentar
PRIMARY	BTREE	Ja	Nein	img_id	26	A	Nein	