Ratings

PK	rating_id	serial*
	ratingName	text*
	ratingDesc	text

Have_Ratings

PK1, FK2	rating_id	serial*
PK2, FK2	query_id	serial*
	ratingTime	timestamp*
	user	text

rating_id

query_id

Types

PK	type_id	serial*
	langOne	text*
	langTwo	text*

type_id

Have_Type

PK1, FK1	type_id
PK2, FK2	query_id

query_id

Queries

PK	query_id	serial*
	queryText	text*
	confidence	float*
	queryTime	timestamp*
	translation	text*
	expo	text
	user	text*

query_id

Images

PK	image_id	serial*
	imageSource	boolean*
	imagePath	text*

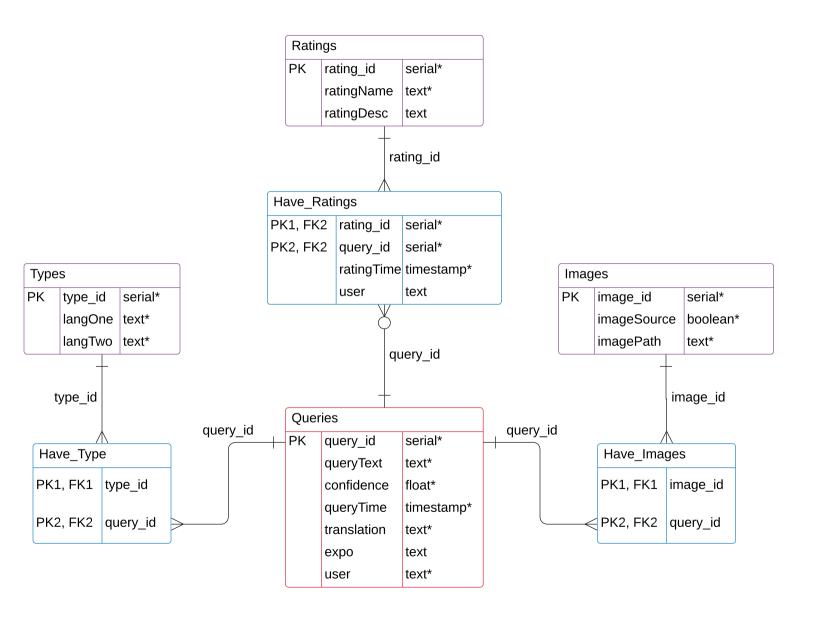*image_id*

Have_Images

PK1, FK1	image_id
PK2, FK2	query_id

Notes:

- Tables, 'Types' and 'Have_Type', do not need to exist if all searches will be English -> Chinese. If it's intended that the app allows for multi-language inputs in the future, we should keep the two tables.

- 'Have_Ratings' & 'Queries': Should we be capturing IP address for location demographics? If this is the case, a privacy policy & agreement should be written and added to website.

- Need to decide where the database will be hosted.

- Queries.expo was added to be able to track queries which were created during a specific installation. Could be added/modified retroactively by queryTime

- Have_Ratings.user and Queries.user are to store the name value the user enters when sitting down at the kiosk. For retroactive ratings, we would need to prompt website visitors to enter a name in order to make Have_Ratings.user be 'not null'.

Not Null