**Tour Agency Entity Relationship Diagram**

**By Toshmatov Ulugbek**

**About**: Tour agency web application is a server where users can register to tours or excursions online.

Entity Relationship



Table descriptions:

Tours and Excursions tables have manyToMany relationship with the Users table such that one traveller can register to more than one tour or excursion and one tour/excursion can have more than one travellers. For this reason, Users\_Tours\_table and Users\_Excursions\_table are present, and they are needed when a user regiters to a tour/excursion or when admin creates/deletes a tour/excursoin.

Tours and Tour\_images, and Excursions and Excursion\_images have oneToMany relationship. Tour\_images and Excursion\_images tables store the paths of images belonging to a tour/excursion referencing to their unique id's.

Furthermore, the web application can also be extended to allow users to register for shoppings, book hotels, and many more by adding the required tables like Tours/Excursions to the database and associating them with Users table.

Functionalities:

Admin can:

* view tours/excursions all or one-by-one;
* either add new tour/excursion with comlpetely new title, description, ..., etc., or add tour/excursion that is like an already existing one, but for different dates (because users may want to register to the same tour/excursion, but for defferent dates);
* update existing tour/excursion (note: when tour/excursion is edited, its date and available seats cannot be modified);
* delete existing tour/excursion (note: when tour/excursion is deleted, it is azctually not deleted from database. Instead, its status is set to inactive).

User can:

* view tours/excursions all or one-by-one;
* register to tours/excursions;
* edit user information.