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EXPLORE GREECE

A TOURIST APPLICATION FOR GREECE

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PROJECT DESCRIPTION

GENERAL IDEA

The purpose of the project is to create an application where a user can view available tour packages for Greece and rate them. Each tour package contains one or more tours, and each tour contains various information regarding that tour. We suppose that each tour is based on a single location (e.g., a particular city or a region). The application should provide an interface where the user will be able to see all available tour packages and by clicking on one of them a page with the tour package details will appear. The user will also be able to rate each tour package on a scale of 1 to 5 (1 is bad, 5 is good) and add a review in form of comments.

PHASE 1: DEFINE SYSTEM ENTITIES

After an initial requirement analysis the following entities have been recognized:

PERSON

- The users of our system. A person has the following attributes: **id, name, surname and email**
- The person name, surname and email can be strings of up to 30 characters each
- A person can view all tour packages and their information
- A person can rate one or more tour packages

TOUR

- A tour has the following attributes: **id, title, description, price, duration, and region**
- A tour can be contained in one or more tour packages
- The title can be a string of up to 80 characters
- The description can be a string of up to 300 characters
- The price is in EURO (€)
- The duration is an integer denoting the number of days
- Region is an enumeration with the predefined set of values defined by you (choose anything you like, maybe focus on a particular part of Greece, i.e. Crete, Epirus etc.)

TOUR PACKAGE

- A tour package has the following attributes: **id, name, description, price, duration, and keywords**
- The tour package name can be a string of up to 80 characters
- The description can be a string of up to 300 characters
- The price is automatically calculated from the tours in contains
- A tour package contains a list of one or more tours
- Keywords is a list of strings

TOUR PACKAGE RATING

- A tour package rating has the following attributes: **id**, **TourPackage**, **Person**, **score**, **comments**
- A person rates a tour package with a specific score followed by a string of comments
- A person can only provide one rating for each tour package!
- The score is an integer (from 1 to 5)
- Comments is a string of up to 300 characters for the user to provide along with the rating