***Requirement:***

Every Premium ad has a start and end date which indicates the lifetime of the premium.

Premium spots are available by end users. 9 premium slot available for each category and location

If in a certain location and subcategory all the premium spots are taken a user cannot get a premium slot.

***Solution Design:***

***Input:***

Premium Start: 2022-11-03

Premium End: 2022-12-04

Location: Fresno(LocationsID = 35)

Subcategory: Fotos y Video (subcategoriesID = 144)

***Flow Diagram:***

Diagram

Description automatically generated

***Sample entity framework logic check:***

***Text

Description automatically generated***

***DB Query:***

Graphical user interface, text, application, email

Description automatically generated