Spam Caller Archive

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1. PHP Introduction

About PHP

- Server-side scripting language

- Used to generate dynamic page content

- Execution results returned to user browser as HTML

Advantages

- Compatible with most servers used today

- Can be used to modify database data

- Compatible with a variety of databases

2. Description

Spam caller archive

- Web application for sharing reviews about suspicious callers from all over the world
- Users can look up a spam call they received to see what others' experience was or leave his own review
- Used:
  - HTML
  - CSS
  - PHP

Database

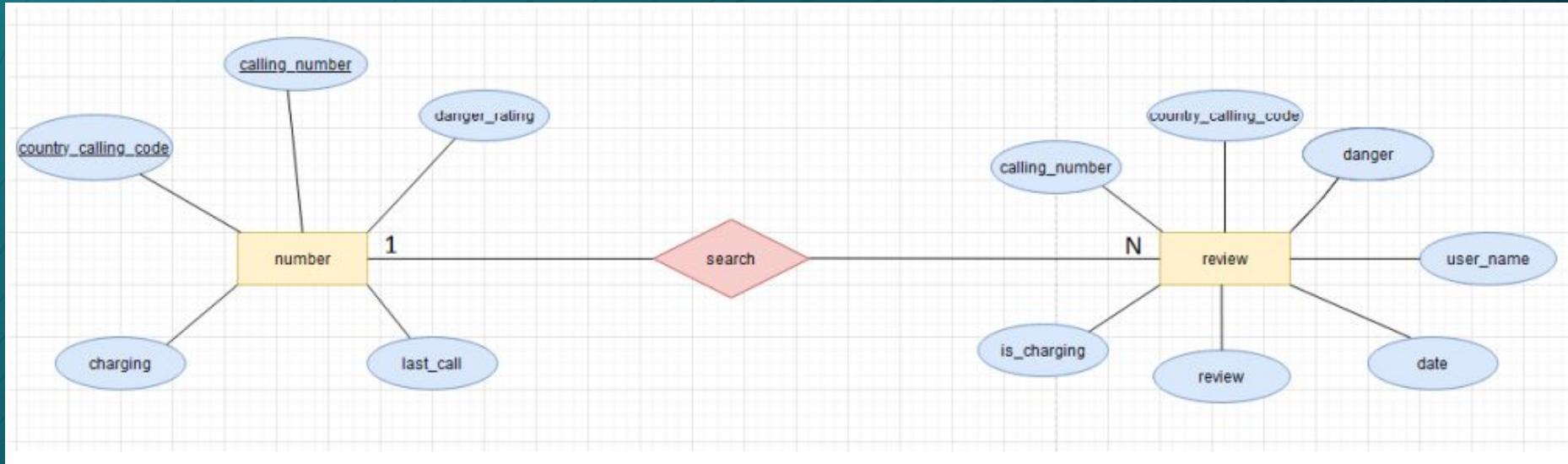- Backend uses MySQL DMBS to manage the database

- numbers table:

country_calling_code	calling_number	danger_rating	last_call	charging
Secondary key	Primary key			

- reviews table:

country_calling_code	calling_number	danger	review	is_charging	user_name	date

Entity-relationship Diagram

Numbers table

- danger_rating: updated after each review as the mean value of every review's danger rate. Float, Values = [0,5]

- charging: updated after each review as the majority vote on whether the number charged the receiver or not. Boolean, Values = {false,true}

- last_call: updated after each review as the last time the number was active

Reviews table

- country_calling_code & calling_number : used to match reviews to a specific number

- date: is automatically updated with the date the review was posted

- user_name: can be used to fetch reviews of a specific user

Dangerous_numbers database view

- Created to display the ten most dangerous numbers of the database according to danger_rating, in descending order.

- Created only once, when requested by the user.