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TOOLTIP FOR AUTOMATED CONVERSION OF DATA IN ELECTRONIC FORM

ABSTRACT

Disclosed herein are a system and a method for a calendar tooltip that includes the designation of significant dates for filling electronic forms with numerical information. The application visually differentiates the significant dates with a highlight app or by some other tool. The servers may process the information given by the user, and a database resolves the given date to a standard format. An assistive tooltip or annotation acts as a feedback mechanism to alert the user about the conversion. Thus, the system may perform smart interaction, and users may discern significant dates without relying on separate apps and services.

BACKGROUND

When entering a date or other entities into an electronic form, a tooltip is displayed automatically. Existing tooltips do not indicate significant dates, such as holidays, paydays, and other such information. For instance, if a user wants to book a flight on Memorial Day, he uses a search engine to identify the correct date for Memorial Day and then types the date manually into the electronic form on the flight search page. Proposed here is a better method to provide information about significant dates to enable a user to easily fill electronic forms with such numerical information.

DESCRIPTION

This disclosure presents a system and a method for a calendar tooltip that includes the designation of significant dates for filling electronic forms. The significant dates may be visually differentiated with a highlight app or by some other tool. The system depicted in FIG. 1 comprises a tooltip application running on a computing device, and a server is configured to process the significant dates given by the user.

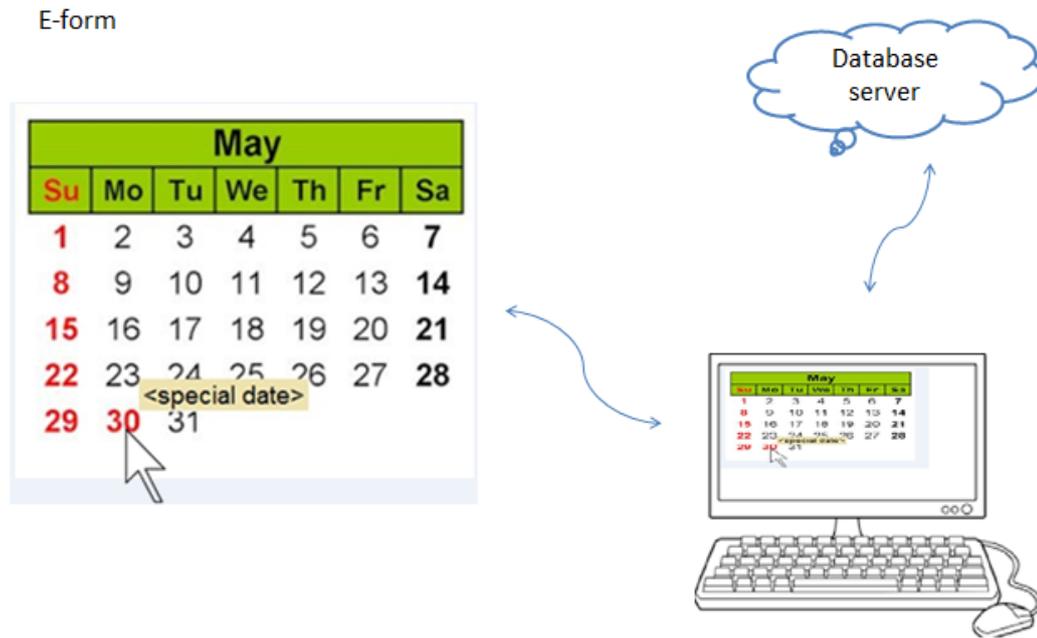


FIG. 1: System of calendar tooltip

The criteria for what is significant may vary based on a specific application. For example, for a compensation webpage, payday may be considered significant, whereas for a travel webpage, holidays may be considered significant. Additionally, the system may also consider "privately significant" dates such as friends' birthdays as significant. The date be automatically resolved in the form field by typing the name of a popular holiday. For example, after the user types the name of a holiday such as "Memorial Day" into a form field, the name may be sent to the servers for processing. A database or some other mechanism is configured to resolve the given date May 30th, 2016 to a standard format 2016-05-30. The form field is then populated with the correct date. This process happens after the user presses a button or once the field loses focus or after every character entry, so that the conversion may be performed immediately once a valid holiday is entered.

An assistive tooltip or annotation may appear near the form field to alert the user about the conversion that has taken place and to explain the rationale to mitigate the problem of incorrect conversions. The highlighted dates may be hovered over with the mouse cursor to reveal more information. This tooltip or annotation may provide a feedback mechanism to signify a conversion error by the user. Thus, the user may discern significant dates without relying on separate apps and services. Filling of electronic forms may be done easily and effectively.

Alternatively, this tooltip design may be implemented on client infrastructure. For instance, a browser may perform conversion with an arbitrary date field on a website. This conversion may happen for other types of data as well. For example, when a user types 'one taco' into a fitness app field requesting a number of calories, the app uses an API from a product to convert 'one taco' into '170 calories'. This product might provide the conversion as a paid service. This may also be done by the client for all EditText fields in any application instead of the server or inside the app.