ABSTRACT

In several e-commerce platforms, there are users as a seller which each individual or group can register themselves to become a seller. Not all items that the customer wants are available in one seller only. So if the customer wants to buy many items at once, the customer may have to buy it from more than one seller. This can increase the cost incurred by the customer because they have to pay the fee times the total of the buyer.

This application is made so that user can buy many goods at once without the need to pay delivery fees more than once. This hypermarket online transaction application with weight and distance calculation is only for hypermarket instance such as Carrefour, Hypermart, Giant, etc as the seller. This application is made using the Laravel framework with PHP and Javascript programming language. It uses Distance Matrix API from Google to calculate the distance between the customer and the hypermarket.

The customer distance calculation test result shows that the average percentage distance difference calculated by Distance Matrix API and calculated in Google Map website is 0,18%. The performance website test result shows that the application can serve up to two thousand user with error percentage by 2,1%. Based on questionnaire result on scale 1-5, website functionality has run pretty good with score 4,33 (Pretty good) for buyer and 3,8 (Good enough) for seller.

Keywords: Website, hypermarket online delivery, e-commerce