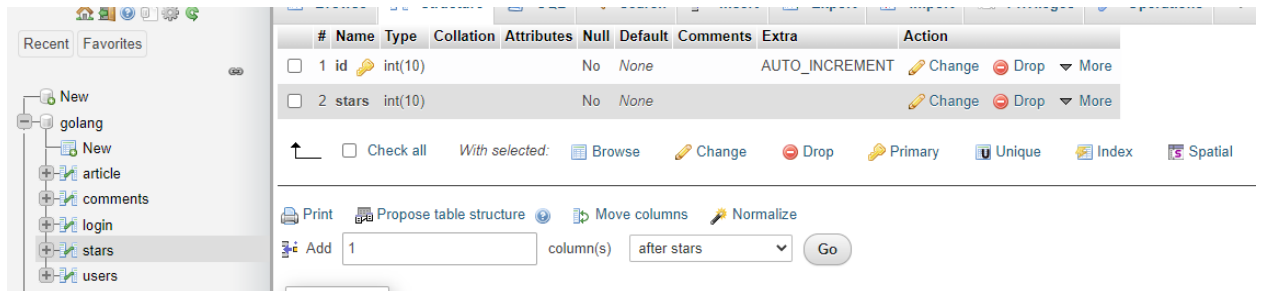


## Progress report

This week we were trying put rating function to our project, but also had some problems according to 404 problem.



First of all, we created new table “stars” that has 2 values: id and stars themselves.

Then we created function that calculates the average of rating, here we use float64 type, then the calculating itself.

```
func calculateAverageRating(article Article) float64 {  
    var sum int  
    for _, r := range article.Ratings {  
        sum += r.Stars  
    }  
    return float64(sum) / float64(len(article.Ratings))  
}
```

Next, created Handler of rate. It can add a new rating product to the database. Also, recalculate rating to display on product page. Then redirecting the user to product page

```
func rateProductHandler(w http.ResponseWriter, r *http.Request) {
    productID, err := strconv.Atoi(r.FormValue("product_id"))
    if err != nil {
        http.Error(w, "Invalid product ID", http.StatusBadRequest)
        return
    }

    rating, err := strconv.Atoi(r.FormValue("rating"))
    if err != nil || rating < 1 || rating > 5 {
        http.Error(w, "Invalid rating", http.StatusBadRequest)
        return
    }

    http.Redirect(w, r, fmt.Sprintf("/product/%d", productID), http.StatusSeeOther)
}
```

HTML of the rating:

```
<form style="margin-top: 40px; margin-left: 10px;" action="/rate_product" method="POST">
    <input type="hidden" name="product_id" value="1">
    <label for="rating">Rate:</label>
    <select name="rating" id="rating">
        <option value="1">1 star</option>
        <option value="2">2 star</option>
        <option value="3">3 star</option>
        <option value="4">4 star</option>
        <option value="5">5 star</option>
    </select>
    <button type="submit">Rate</button>
</form>

</main>
```

The template of how it must be on the site:

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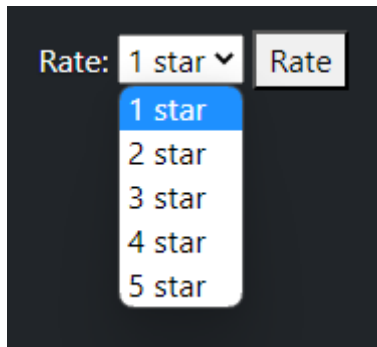
[Go back](#)

Name:

Comment:

[Submit](#)

Rate: 1 star [Rate](#)



Pressing rate ---->



During next week, we will try to fix it up.