Project report 7

This week we were trying to add commenting in the website under the articles. First of all, we create the function insertComment, that has string values "name" and "comment". Function must work and show name, comment and time when comment was adding.

```go
func insertComment(name string, comment string) error {

    db, err := sql.Open("mysql", "root:root@tcp(127.0.0.1:3306)/golang")
    if err != nil {
        return err
    }
    defer db.Close()


    stmt, err := db.Prepare("INSERT INTO comments (name, comment, created_at) VALUES (?, ?, ?)")
    if err != nil {
        return err
    }
    defer stmt.Close()


    _, err = stmt.Exec(name, comment, time.Now())
    if err != nil {
        return err
    }
    return nil
}
```
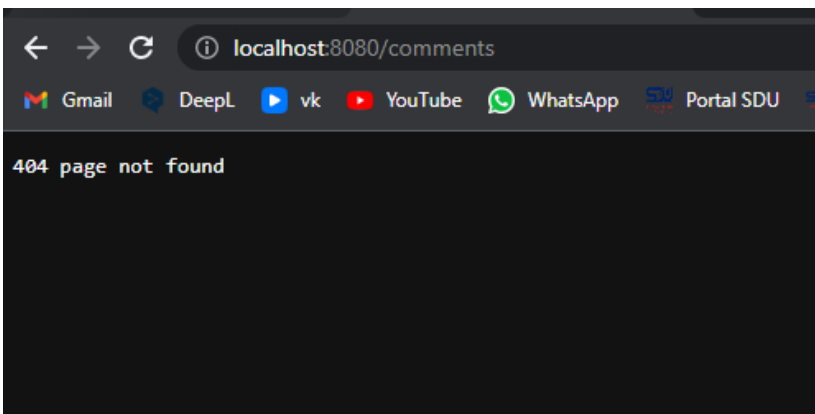
So, also there is a getComments function that is adding values to the database.

```go
func getComments() ([]Comment, error) {

    db, err := sql.Open("mysql", "root:root@tcp(127.0.0.1:3306)/golang")
    if err != nil {
        return nil, err
    }
    defer db.Close()

    rows, err := db.Query("SELECT name, comment, created_at FROM comments ORDER BY created_at DESC")
    if err != nil {
        return nil, err
    }
    defer rows.Close()

    comments := []Comment{}
    for rows.Next() {
        var name string
        var comment string
        var created_at time.Time
        err := rows.Scan(&name, &comment, &created_at)
        if err != nil {
            return nil, err
        }
        comments = append(comments, Comment{Name: name, Comment: comment, CreatedAt: created_at})
    }

    return comments, nil
}
```

And for the next function we had some problems, according to commenting window. It doesn't work for now and we are trying to fix it.

```go
func commentHandler(w http.ResponseWriter, r *http.Request) {

    if r.Method == "GET" {

        comments, err := getComments()
        if err != nil {
            http.Error(w, "Error retrieving comments", http.StatusInternalServerError)
            return

        }

        t, err := template.ParseFiles("templates/comments.html")
        if err != nil {
            http.Error(w, "Error parsing template", http.StatusInternalServerError)
            return
        }
        t.Execute(w, comments)
        return
    }

    if r.Method == "POST" {

        name := r.FormValue("name")
        comment := r.FormValue("comment")

        err := insertComment(name, comment)
        if err != nil {
            http.Error(w, "Error inserting comment", http.StatusInternalServerError)
            return
        }
    }
}
```

The problem is on function commentHandler where we wanted to get exception windows according to our error. At the beginning, there was "Error retrieving comments". But now, when we click "Submit" on comment, we see 404 error

Here is the comments page

templates > comments.html > ...

```
 1    {{ define "comments" }}
 2
 3    {{ template "header" }}
 4
 5        <h1>Comments</h1>
 6
 7        {{ if .Comments }}
 8            <ul>
 9            {{ range .Comments }}
10                <li>
11                    <strong>{{ .Name }}:</strong>
12                    {{ .Comment }}
13                </li>
14            {{ end }}
15            </ul>
16        {{ else }}
17            <p>No comments yet.</p>
18        {{ end }}
19
20        <h2>Add a Comment</h2>
21        <form method="post" action="/comments">
22            <div>
23                <label for="name">Name:</label>
24                <input type="text" id="name" name="name" required>
25            </div>
26            <div>
27                <label for="comment">Comment:</label>
28                <textarea id="comment" name="comment" required></textarea>
29            </div>
30            <div>
31                <button type="submit">Submit</button>
32            </div>
33        </form>
34    {{template "footer" }}
35    {{ end }}
36
```

Hello

Hello world

100 tenge

Go back

Name: Rauan

Comment: adasdasdas

Submit

New

article

comments

users

information_schema

mysql

performance_schema

sys

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this tabl

+ Options

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☐ 🖉 Edit 📋 Copy ⊝ Delete 1 Hello Hello world 100

☐ 🖉 Edit 📋 Copy ⊝ Delete 2 Sam Abdussamad 1000

Recent | Favorites

New

golang

New

article

comments

users

information_schema

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds.)

SELECT * FROM `comments`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

name comment created_at

Query results operations