

Final Group Project – Final Website

Group WN/H:

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Description:

In this project stage, we made some final adjustments and minor changes to the server and client-side code and polished it to be presentable.

Approach:

The website was almost done, we just had to add the “Forgot password” and “Reset password” pages, and the API implementation and Chat History system, for which another table had to be created in the MySQL database. We also fixed the chat interface, where the message text used to overflow when the input was too large.

Issues and Resolutions:

For the forgot password page, we wanted to use an emailing system to give the users an authentication code before resetting the password. This was a very complicated task to do. We installed nodemailer using the command ‘`npm install nodemailer,`’ and `dotenv` to make an automated mail system. However, to use Gmail’s service of the automated mailing system, nodemailer’s OAuth2 security. It was too complicated to figure out at the time, so we decided to just check for the user’s username and email before letting them change their password. The API implementation was too big of a hiccup, and we decided to keep the chatbot as it is, sending back an echo of the user’s messages. Since the API was not implemented, the chat history system was also abandoned, as there would be no chat history to store.

Analysis:

The project was a very daunting task throughout, starting with little knowledge of HTML and none of CSS and JavaScript. However, working on this on top of all the lectures in this course, was a very good learning experience. The practical experiences made the learning much easier. The API implementation might have been too ambitious an aim for this semester, but we are planning to make it a personal project over the winter break!

Screenshots:

Added resetPasswordToken and resetPasswordExpires columns for “Forgot Password” and “Reset Password” pages

```
student@WebDev2023:~$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.35-0ubuntu.22.04.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE AICHAT;
Reading table information for completion of table and column names
You can turn off this feature with -A

Database changed
mysql> select * from users;
+----+-----+-----+-----+-----+-----+
| id | username | email | password | created_at | resetPasswordToken | resetPasswordExpires |
+----+-----+-----+-----+-----+-----+
| 2 | ammaralheher | ammar.alheher@gmail.com | S2a5085/u2v1dABg5FLXtM676x2XuSNFGL3y1D0AAUvd82UNchcpByBhVKCn | 2023-11-27 00:02:30 | 8826edb087f5eca6762a98bf180b10028d2db5bd | 2023-12-13 20:37:57 |
| 3 | azdhara | z.anandadharagmail.com | S2a5085B0MTFPL1xkcwE.5L8a1HeeL2336ovQlHa54Kb03VpnaMeAhomerXa | 2023-11-27 00:05:35 | NULL | NULL |
| 4 | Sonaya | sfurkundagsfsu.edu | S2a50855W4370e/NgeW9075MD03.I53cxZe./JtVXvduWk1yAerB1n00 | 2023-11-27 11:36:58 | NULL | NULL |
| 5 | swagzara | anzarauasaf0283@gmail.com | S2a5085bUL5AG0eLrQ0X8QnQn.xf.OghRL372hImHtGGYnhpeY0uBWHY0wL | 2023-11-27 19:34:10 | NULL | NULL |
| 6 | amn | aalheher@gmail.sfsu.edu | S2a508596P/4zi1y9V9.LFZspnPA02ALyC3MFR2pble221yCw78v2EMbsqpa | 2023-11-27 23:04:29 | NULL | NULL |
| 7 | whateveryoulike | rahlldobarta@outlook.com | S2a5085QUFLQZMzvnxt6Wphdva4Bun8VA2qR1vnuXVY8YbAXhk48Vfshk00 | 2023-11-27 23:47:22 | NULL | NULL |
| 8 | yoanaxox | yoanarahman@example.com | S2a5085hL2X0pnmWCKE1.t7j9My.HKL1gWYkTYAH00FQ2y8E14sYDuJ0q | 2023-11-29 00:53:47 | NULL | NULL |
| 9 | ats | ats@example.com | S2a5085c/JE34acXXCzBEdwLZzbreAYcggB6ZLTUCd9t3FTLgMh9g3FA3Rn | 2023-11-29 11:35:06 | NULL | NULL |
| 10 | siamsattar | siamsattar@example.com | S2a5085Yy0ghhALJgJpvgVXSLNkQ0Eo3NTskFGMdCeS0d9fpmHHRu0u6.jye | 2023-12-10 17:54:19 | NULL | NULL |
| 11 | anasarahman | anasarahman@example.com | S2a5085NTR77F0pj.t.KFBq6UshHoeNfSK3qrRKL569cCrqCnSLDu0a.pqql | 2023-12-12 00:27:40 | NULL | NULL |
| 12 | asjhd | asjhd@example.com | S2a5085th.tg.u1AHbJ5j3Bqha/7uNt1UBCyvFRPbwJkKS00cEgpb0L8Cq | 2023-12-13 11:25:07 | NULL | NULL |
| 13 | fshatk | fshatk@example.com | S2a5085v0F1igAccrL151/hKQ.ab.nknzbc/8FccEa43XPLahgrnd18Rz29u | 2023-12-13 11:41:18 | NULL | NULL |
+----+-----+-----+-----+-----+-----+

12 rows in set (0.00 sec)

mysql>
```





