Software Studio
軟體設計與實驗

Midterm Project
Chatroom

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CS2410

Goal

- Create your chatroom app with Firebase.
- Your web page must meet all requirement in **basic** components then you will get **70%**
- Add some **advance** components and **bonus** components in your web page will get at most **25%**
- Describe the functions of your website in **README.md**
- You ought to explain
  1. how to operate your web,
  2. how to setup your project locally **STEP BY STEP**
  3. if TAs can't find the function, you won't get the points.
  4. If TAs can't setup locally, **-5** points

Basic components

- Membership Mechanism **(15%)**
  - Email Sign Up
  - Email Sign In
- Host your Firebase page **(5%)**
  - Use Firebase Hosting to host your web page and verify that it is functioning properly
- Database read/write **(15%)**
  - To read/write your membership data or other useful data, do it in authenticated way
- RWD **(15%)**
  - Check your website working fine on different size device

Basic components

- Chatroom **(20%)**

  – Can create **private chatrooms** to chat with other members register in this website

  – Other members can see your messages in chatroom

  – Load all history message of current chatroom

Advanced components

- Using React **(10%)**

- Sign Up/In with Google or other third-party accounts **(1%)**

- Add Chrome notification **(5%)**
  - **TA use "Chrome" for verification**

- Use CSS animation **(2%)**
  - https://www.youtube.com/watch?v=bjUoQbSJDJs

- Deal with problems when sending code **(2%)**
  - **<script>alert("example");</script>**
  - **<h1>example</h1>**

Bonus Components

- Bonus Components **(at most 5%)**
  - **User profile (1%)**
  - **Profile picture (1%)**
  - **Send image (1%)**
  - **Send video (1%)**
  - **Chatbot (2%)**
  - **Block User (2%)**
  - **Unsend message (3%)**
  - **Search for message (3%)**
  - **Send gif from Tenor API (3%)**

Scoring

Item	Score
Basic components	70%
Advance components	20%
Total Completeness (subjective)	10%
Bonus components	5%
Total	105%

NOTE: README (-5), SOP (-10)

Reminder

- Deploy your web page to **Firebase page**, and ensure it works correctly. Add TA's account to your firebase project.
  - **Your main page should be named as** "**index.html**"
- Upload source code to FTP.
- Compress files into Midterm_Project_學號.zip then upload
  - index.html, .css, .js, README.md, etc.
  - **Do not add node_modules into zip file. (-5 if you upload node_modules)**
  - If you upload the files again, please change the filename become Midterm_Project_學號_v?.zip (v? -> which version)
- **MD5 checksum** (if you didn't do this → -10%)
- FIRM deadline: 2024/05/02 23:59 (commit time)
- Upload your MD5 and web link to **eeclass**

Add permission to TA's account

- Go project setting and select "Users and permissions"

Add permission to TA's account

- Add **cgvlab711839@gmail.com** as editor to your project.

電子郵件地址

cgvlab711839@gmail.com ✕

角色

編輯者 ◎

取消　新增成員

作業規則

- 程式碼嚴禁抄襲，抓到抄襲者，抄襲與被抄襲者

直接當掉！直接當掉！直接當掉！

直接當掉！直接當掉！直接當掉！

...

- 繳交期限為三個星期，不得遲交。
- 沒有屍體分數！
- 評分方式以日後公布為主。

作業繳交規則

- 請**務必**透過 MD5 獲得作業checksum 後填入 google 表單。
- 如遇各種原因無法在作業期限前完成上傳，我們將比對 checksum。若 checksum 一致則不算遲交。
- 繳交作業以**MD5為主**，若有多個 checksum 則取時間最晚的為主。
- MD5 online generator
- MD5 checksum 登記表單
- MD5 checksum 登記查看
- MD5 使用方法

作業繳交流程

請務必遵守以下規則：
1. 將作業打包壓成zip檔，檔名格式以及打包內容以當次作業公告為主。
2. 幫zip檔產生MD5，並填寫google表單。
3. 將zip檔上傳ftp。
4. 將MD5和網址繳交至eeclass。

若違反任何一項繳交作業SOP，一律扣作業總分10分！！！

貼心提醒：請同學守護zip檔至作業成績公告或期末。