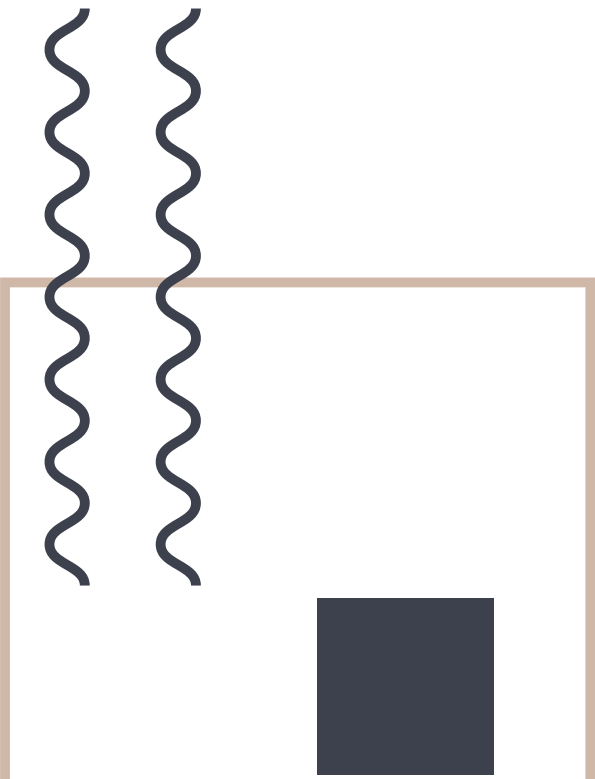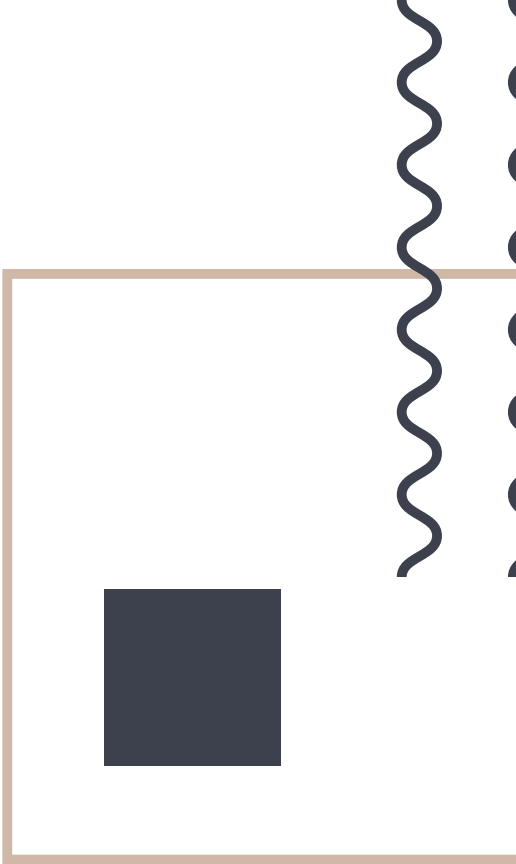# *PYTHON* 網站框架開發助理證書

Group
PROJECT

INTRODUCTION

- 3D Printing & STEAM Course Company
- Building Brand-Name
- All-in One website (link with social media)
- SEO(引擎最佳化)

Future Development
- The Social Innovation and Entrepreneurship Development Fund (SIE Fund)
- Selling Design Products

OUR TEAM

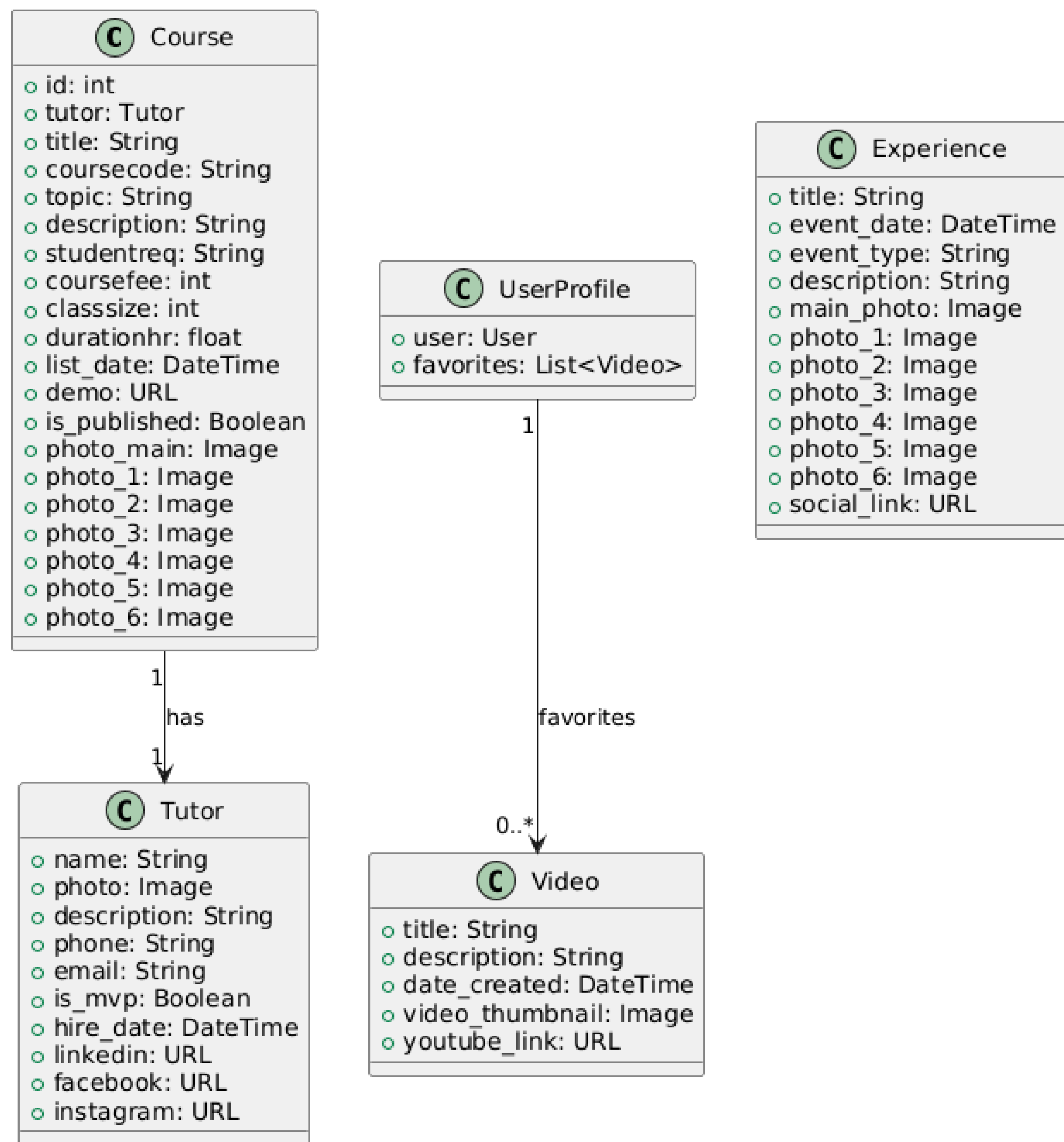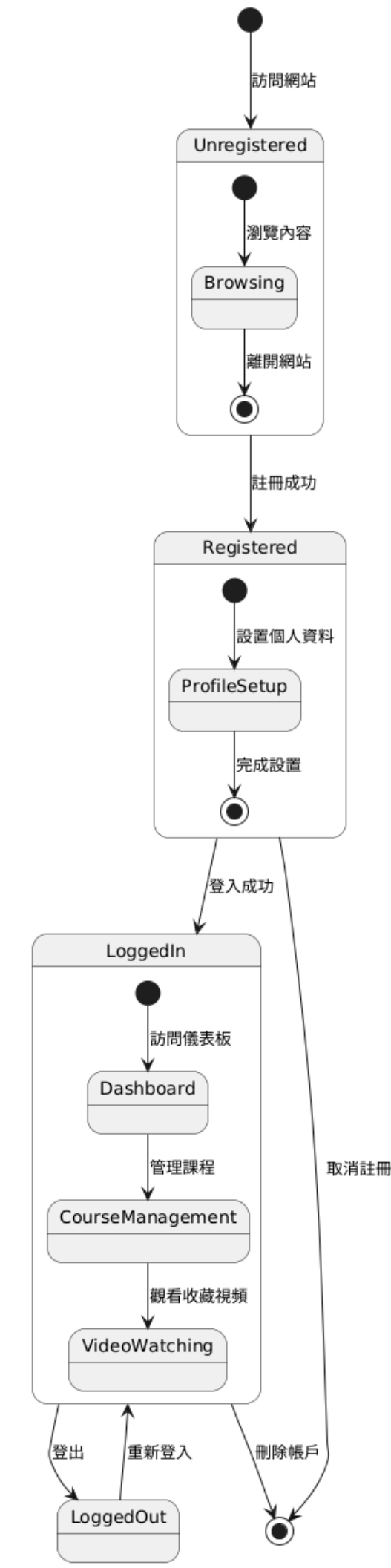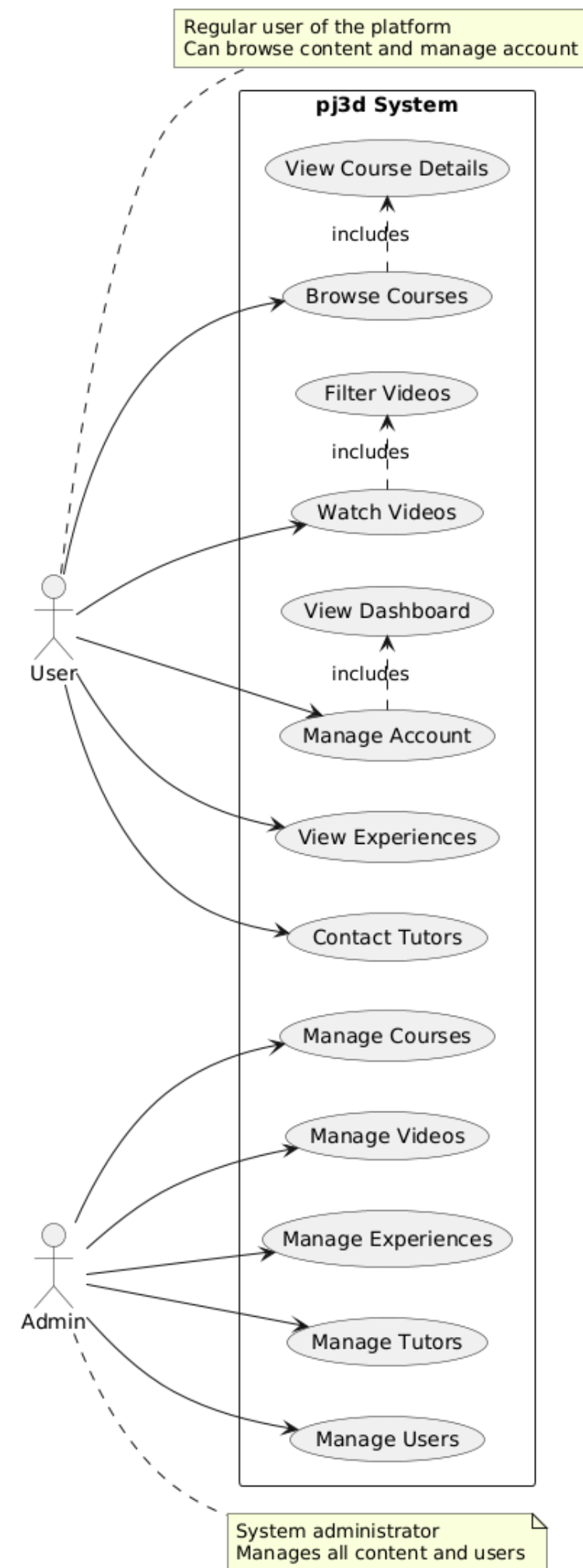**WONG SAU WAI SOPHIA**

KAY SZE YUEN

PROBLEMS

- git merge of files generated by Window and Macbook has raised CRLF conflicts

- import of photos to database requires the photo files stored in the exact folder path as specified in codes

CLASS UML

Course

- id: int
- tutor: Tutor
- title: String
- coursecode: String
- topic: String
- description: String
- studentreq: String
- coursefee: int
- classsize: int
- durationhr: float
- list_date: DateTime
- demo: URL
- is_published: Boolean
- photo_main: Image
- photo_1: Image
- photo_2: Image
- photo_3: Image
- photo_4: Image
- photo_5: Image
- photo_6: Image

UserProfile

- user: User
- favorites: List<Video>

Experience

- title: String
- event_date: DateTime
- event_type: String
- description: String
- main_photo: Image
- photo_1: Image
- photo_2: Image
- photo_3: Image
- photo_4: Image
- photo_5: Image
- photo_6: Image
- social_link: URL

Tutor

- name: String
- photo: Image
- description: String
- phone: String
- email: String
- is_mvp: Boolean
- hire_date: DateTime
- linkedin: URL
- facebook: URL
- instagram: URL

Video

- title: String
- description: String
- date_created: DateTime
- video_thumbnail: Image
- youtube_link: URL

Course 1 — has — 1 Tutor

UserProfile 1 — favorites — 0..* Video

CASE UML

Regular user of the platform
Can browse content and manage account

pj3d System

- View Course Details
  - *includes*
- Browse Courses
- Filter Videos
  - *includes*
- Watch Videos
- View Dashboard
  - *includes*
- Manage Account
- View Experiences
- Contact Tutors
- Manage Courses
- Manage Videos
- Manage Experiences
- Manage Tutors
- Manage Users

User

Admin

System administrator
Manages all content and users

訪問網站

Unregistered

瀏覽內容

Browsing

離開網站

註冊成功

Registered

設置個人資料

ProfileSetup

完成設置

登入成功

取消註冊

LoggedIn

訪問儀表板

Dashboard

管理課程

CourseManagement

觀看收藏視頻

VideoWatching

登出　重新登入　刪除帳戶

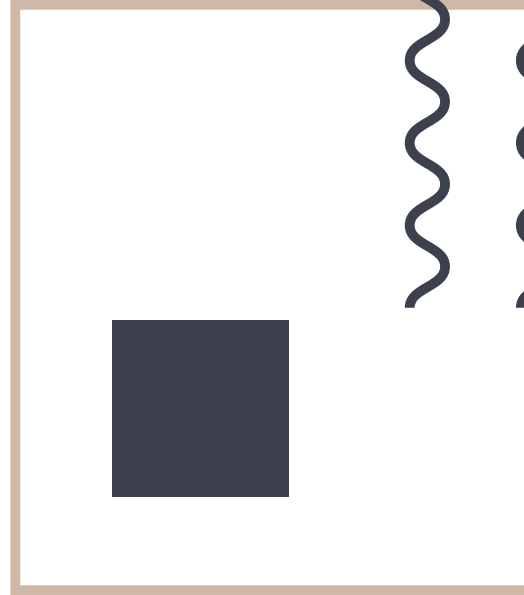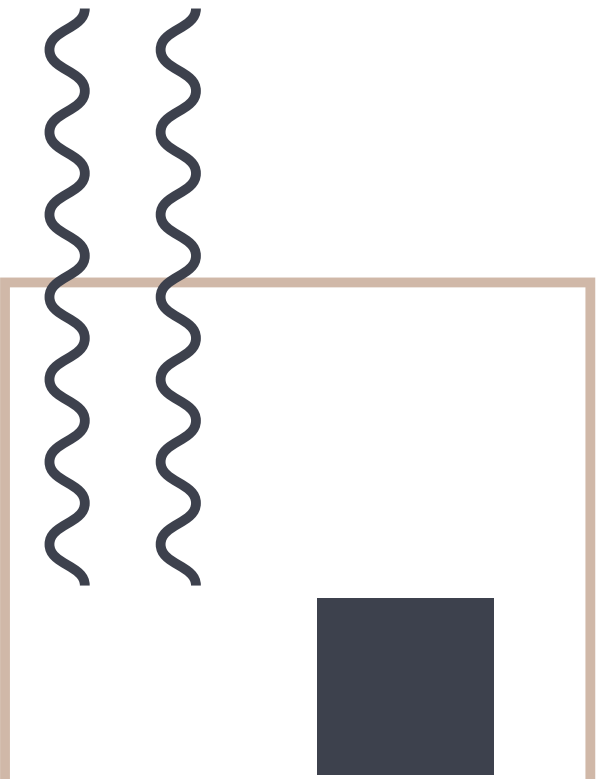LoggedOut

PROJECT INSIGNTS

- 1) .env .gitignore to exclude email address and password upon git push
- 2) Don't migrate too early to avoid crash database.
- 3) Git push frequently
- 4) Git merge and solve git diff/ code conflicts
- 5) Review AI recommendations before apply

CONCLUSION

Django is a powerful tool to build Web Framework. Although our team has a shortage of manpower with 2 team members and lack of Frontend knowledge, we used the AI tools to learn and help us achieve our targets and solve the code conflicts issues.

Github is a powerful tool to merge our team members workdone. Upon solving the code conflicts arising from merging branches, we learnt how to debug and the meanings of each line of codes.

Thank YOU