

# **Assignment A5**

## **Test Report**

**for**

### **LMS QUIZ IMPORTER (EasyQ)**

**version 1.0**

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## About

- Software name: LMS Quiz Importer
- Team name: Deviloper
- Tester name: Siriwat Songwattana

## Software scope

- Support only multiple choice questions
- Login for only 261111 course professors
- Document file type: docx
- History of upload
- Dashbord summary each chapter in course
- Can upload then check before import
- Support in Thai and English language
- Import only CMU Mango(Canvas)

## Test scope (what is tested and what is not tested)

### A. Tested

- a. Check all buttons are correct or not.
- b. Dashboard page show summary questions each chapter in course.
- c. Can upload and import only for document file type: docx.
- d. Can show history upload.
- e. Can use only for multiple choice questions.
- f. Can upload then check the accuracy before import.
- g. Can use CMU auth for login.
- h. Can upload to Lms
- i. Check result if the imported quiz is wrong syntax
- j. Create files for test syntax in case of group question and question no group

### B. Not tested

- a. Login for only 261111 course professors
- b. Use in other courses
- c. Use in subject test

## **Test exit criteria**

- Import group question
- Import group no question
- Add Points
- Add Questions
- Add Answer

## **Test overview (list of test types performed)**

- Black-box testing
- White-box testing

## **Test types**

- Functional testing
- Unit testing

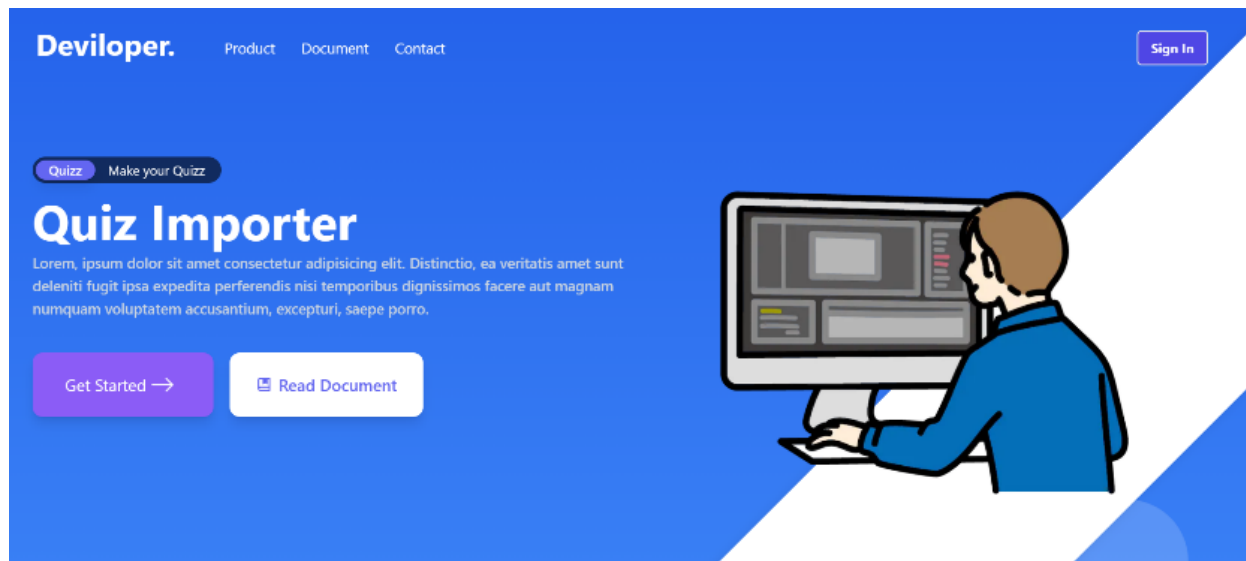
## **Activities performed for each test type (each in separate sections)**

- a. Functional testing: Check according to the software's functional requirements such as
- b. Unit testing: Create file for test syntax in each type

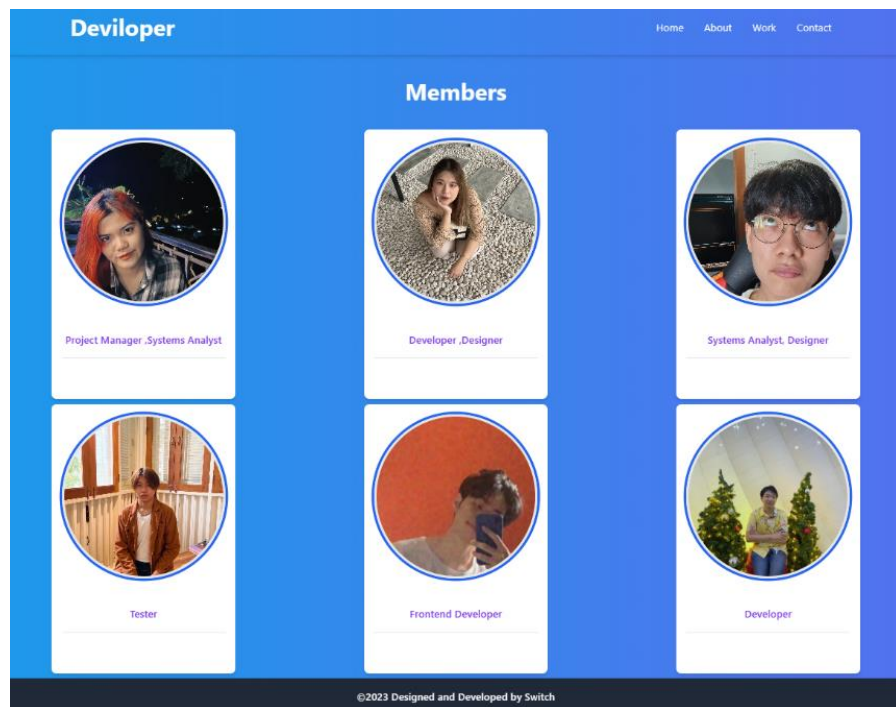
## **Results (including feedback and suggestion)**

### **A. Frontend Testing**

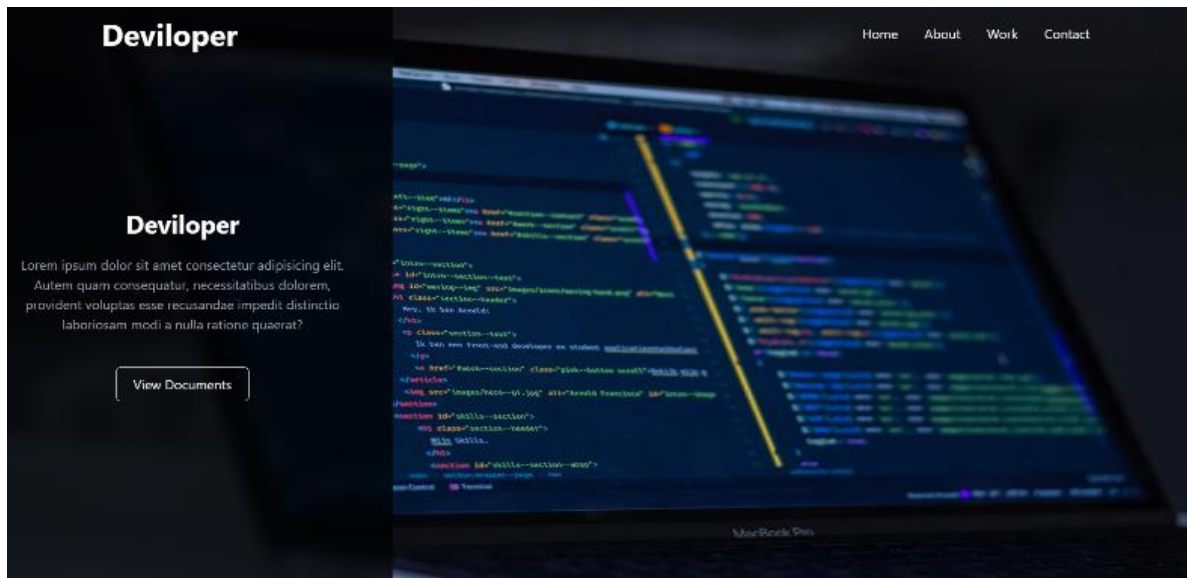
- a. In case not signed in ✓



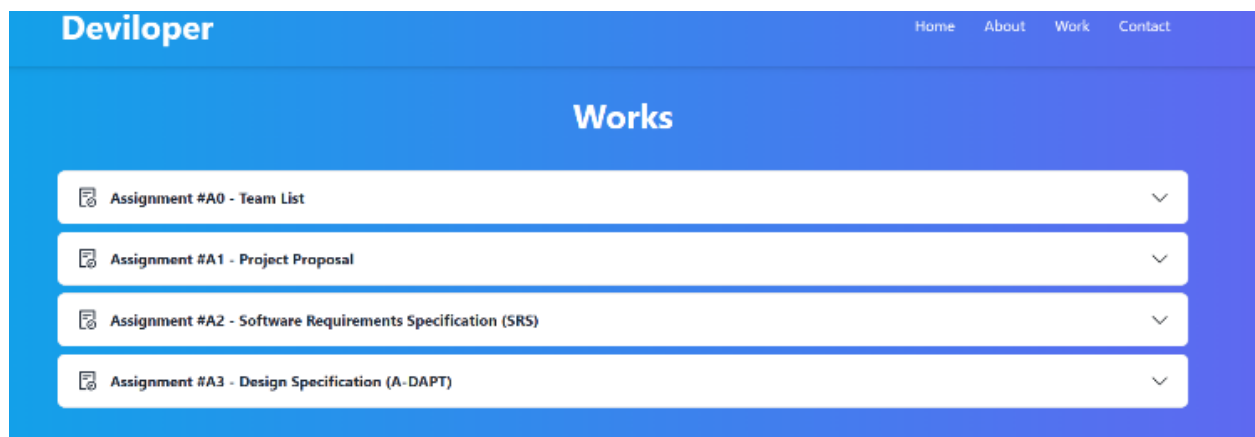
- Click on Devilooper ✓: Stays at the same page
- Click on Product ✓: Direct to page login CMU account
- Click on Document ✓: Direct to 404 this page could not be found
- Click on Contact. ✓: Direct to this page



- Devilooper ✓: Direct to this page

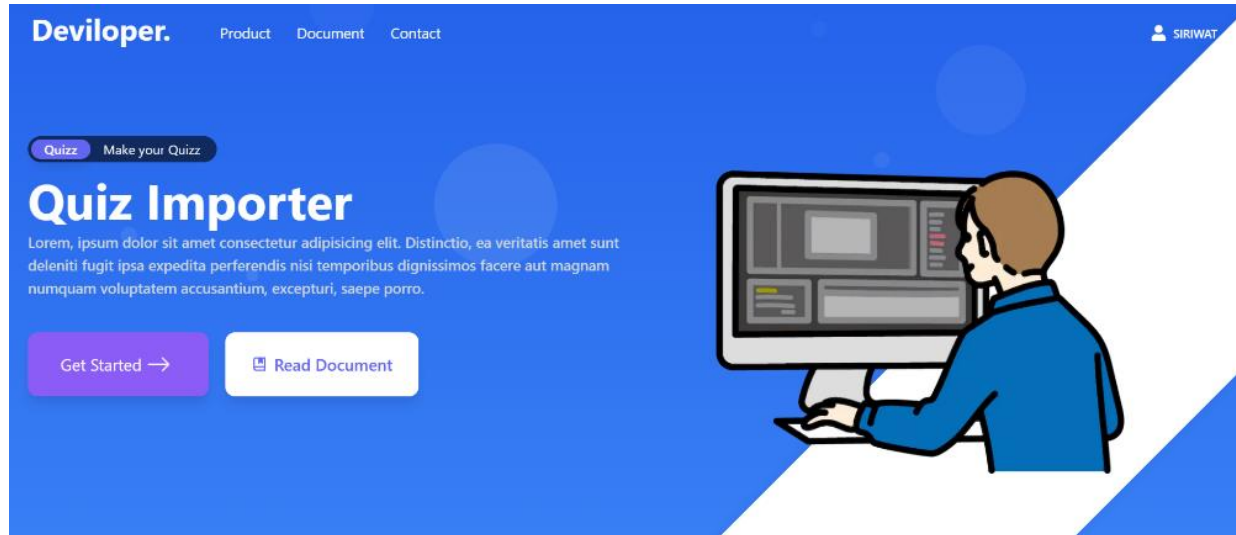


- Click on view documents then go to Quiz Importer page ✓
- Click on Home button ✓: go to same page as Deviloper
- Click on About button ✓: Go to 404 this page could not be found
- Click on Work button ✓: Go to this page
  - A1 ✓
  - A2 ✓
  - A3 ✓
  - A4 ✓

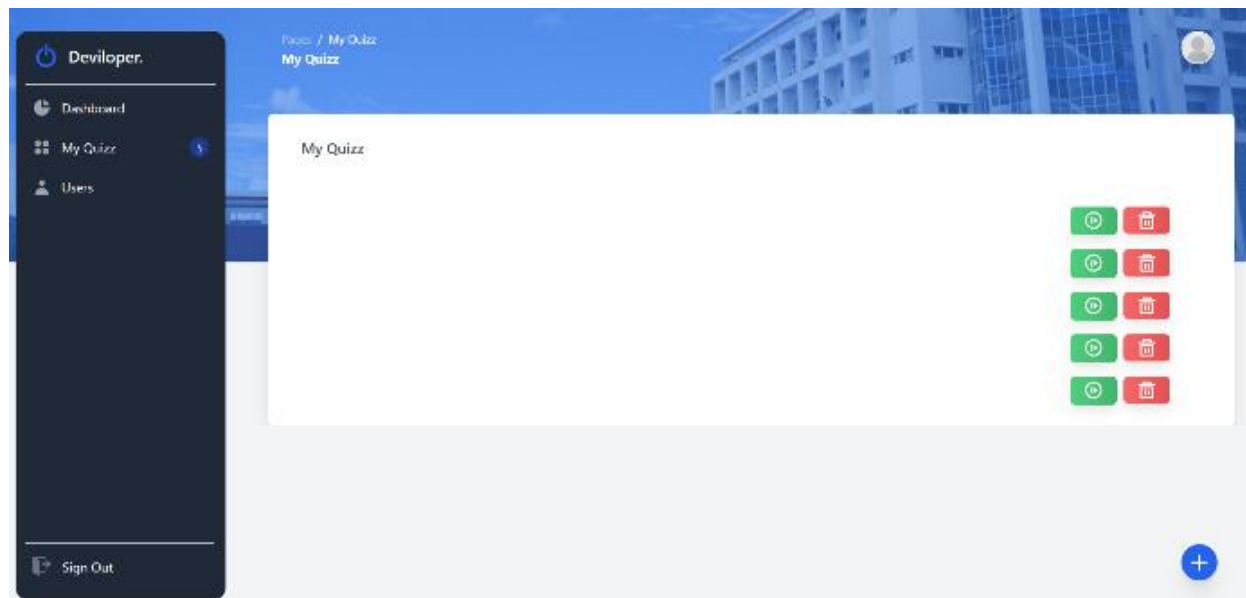


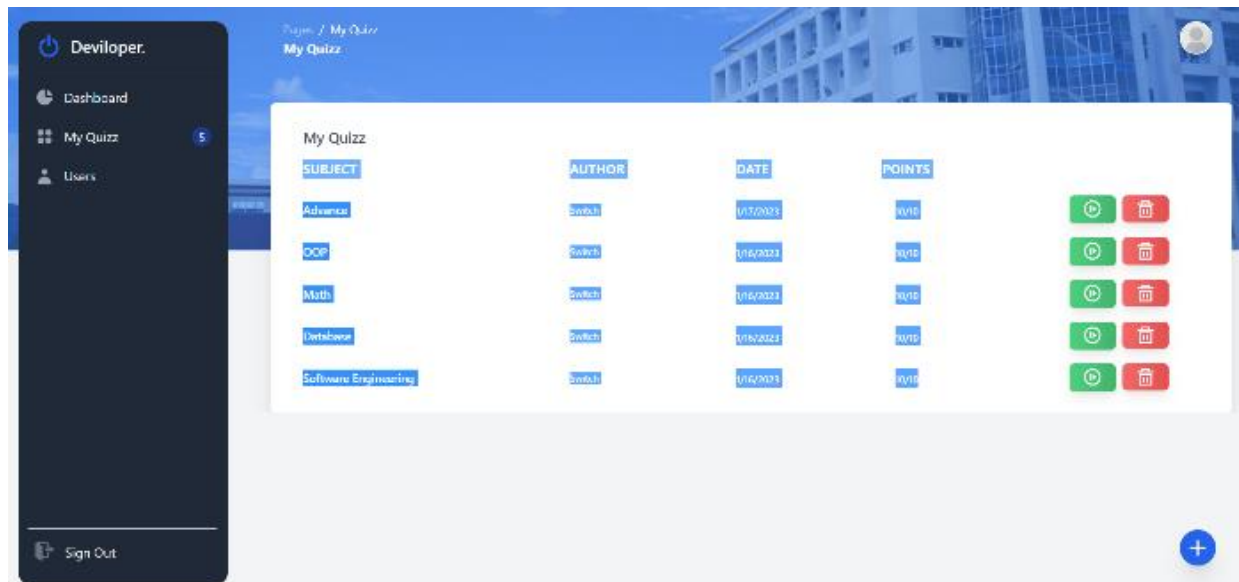
- Contact ✓: Direct to page contact
- Click on Sign In. ✓: Direct to page login CMU account
- Click on Get Started. ✓: Direct to page login CMU account
- Click on Read Document. ✓: Direct to 404 this page could not be found

b. In case Sign In already ✓






- Click on Devilooper. ✓: Stay at the same page
- Click on Product. ✓

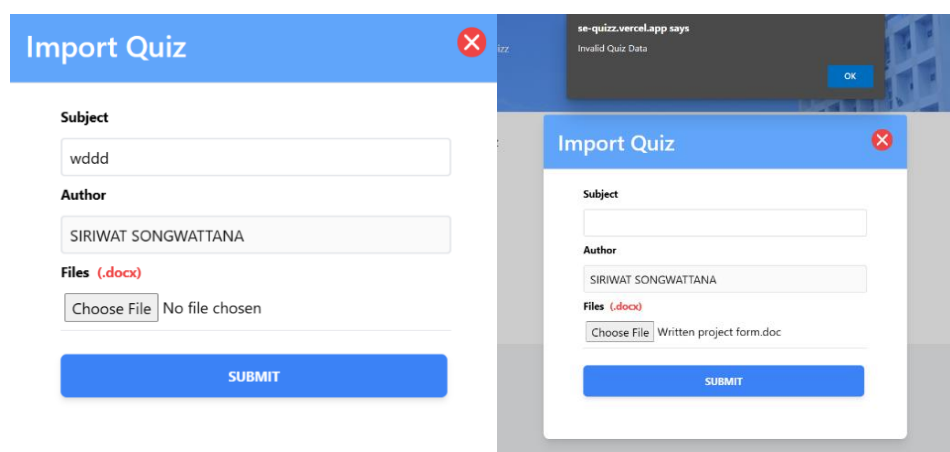




Direct to this page but the subject, authors, date, points disappeared (Dark mode defect)

-  This button direct to sign in CMU account (incorrect).
-  In first click nothing happened, but later it showed 'quiz id doesn't match', then the quiz can be deleted at the second click.
-  This button can add new quiz.

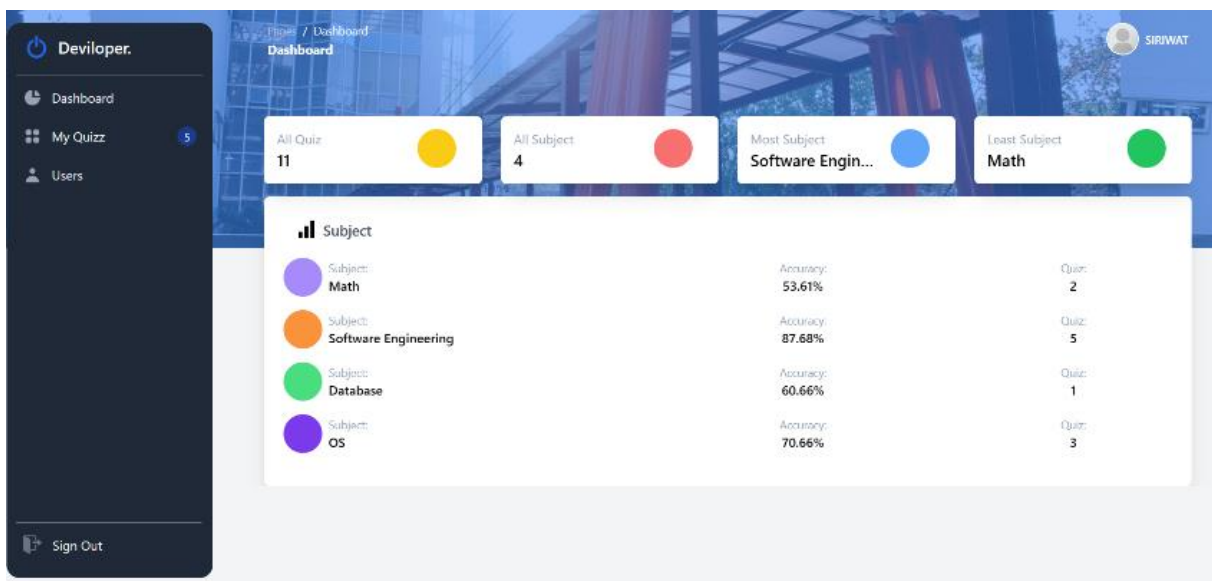
In this case, you can add quiz if no file has been chosen and if you choose file .doc or .docx, you can add a file but it will show like this



Application error: a client-side exception has occurred (see the browser console for more information).

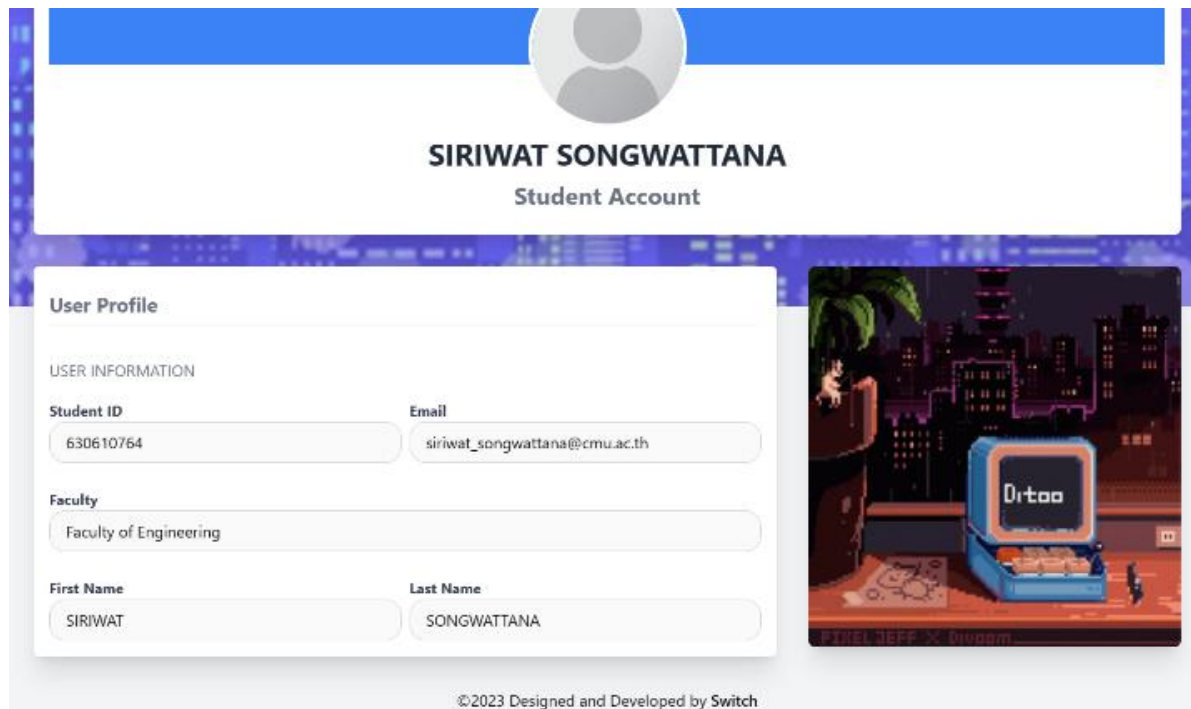
On click

- Page -> go to page Quiz Importer ✓
- Developer -> go to page Quiz Importer ✓
- Dashboard -> go to page show all quiz this page ✓

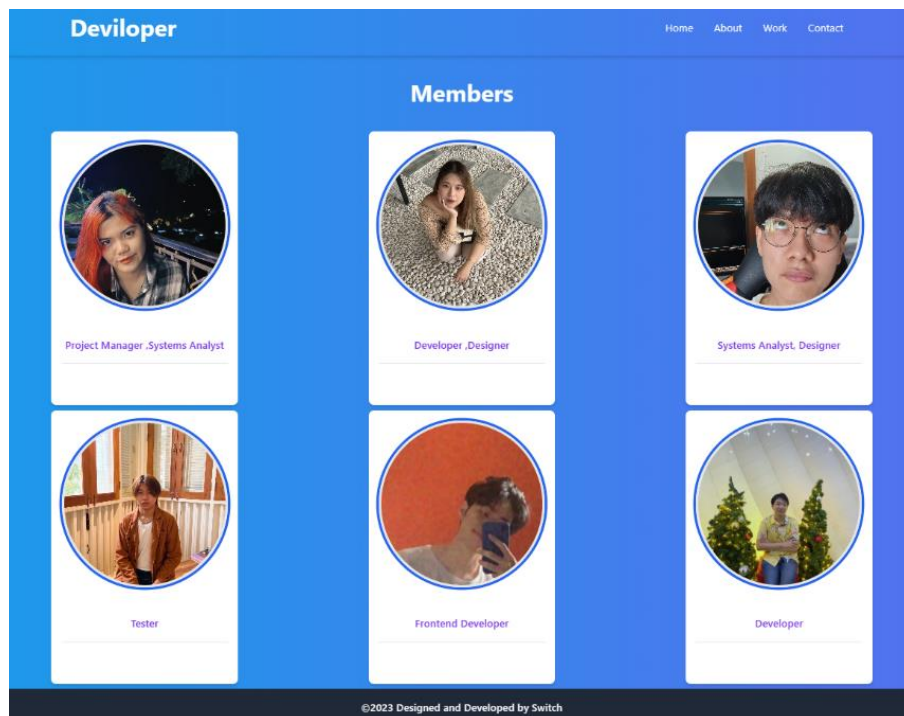


- Users -> go to this page show Profile ✓

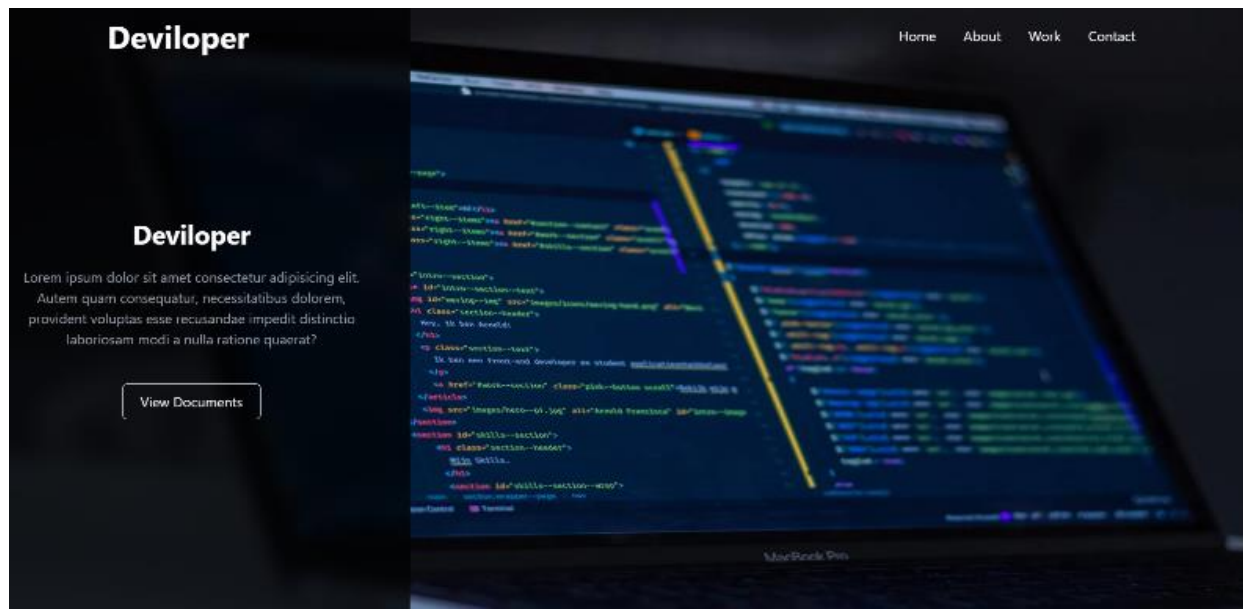




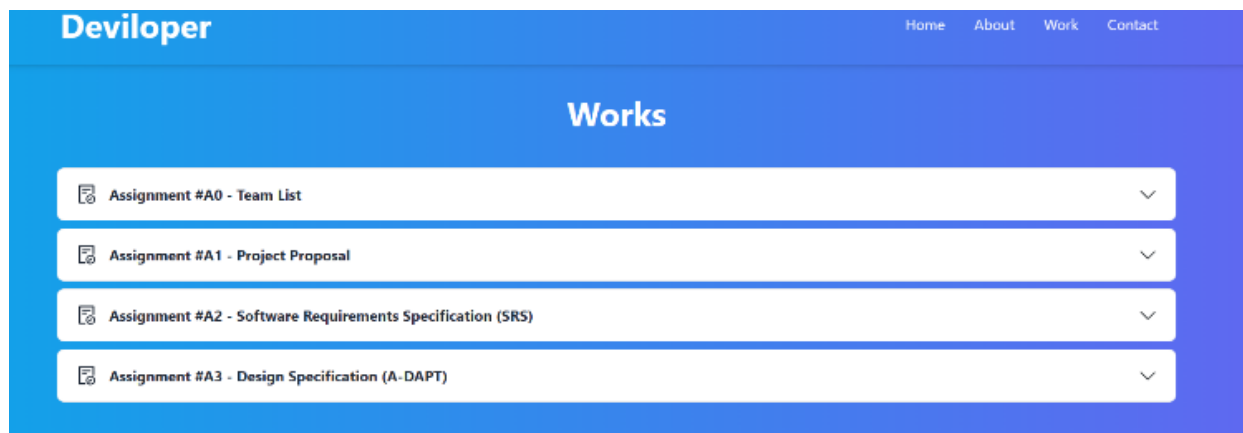
- Sign Out -> sign out and go to Quiz importer ✓
- click on Document. ✓: Go to 404 this page could not be found
- click on Contact. ✓:



- Deviloper ✓: Go to this page



- Click on view documents then go to Quiz Importer page ✓
- Home ✓: go to same page as Deviloper
- About ✓: Go to 404 this page could not be found
- Work ✓: Go to this page
  - A1 ✓
  - A2 ✓
  - A3 ✓
  - A4 ✓



- Contact ✓: Direct to page contact
- click on Sign In ✓: Direct to page login CMU account
- click on Get Started: Direct to page login CMU account
- Click on Read Document ✓: Direct to 404 this page could not be found

# Backend Testing

## 1) Group and Question

All cases are tested as below

- A. **Group and point ✓**: ใส่คะแนนที่ group ที่เดียวแล้วคำถามที่อยู่ใน group มีคะแนนเท่ากันทั้งหมด

```
G-1,P-1.5,Q-1A,หมาคืออะไร?[*แมว*หมา=**จิ้งจก*เธอ]Q-1B,แมวคืออะไร?[*เธอ*แมว*หมา=**เสือhiuggu]end
```

```
=====
```

```
Group: 1
```

```
-----
```

```
1A
```

```
หมาคืออะไร?
```

```
Point: 1.5
```

```
1B
```

```
แมวคืออะไร?
```

```
Point: 1.5
```

- B. **Have group and no point X**: ต้องทำงานไม่ได้ => ถูกต้องแล้ว
- C. **No group and have point X** ทำงานผิด

```
Q-1A,P-1.5,หมาคืออะไร?[*แมว*หมา=**จิ้งจก*เธอ]end,Q-1B,P-5,แมวคืออะไร?[*เธอ*แมว*หมา=**เสือhiuggu]end
```

```
Traceback (most recent call last):
```

```
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\main.py", line 15, in <module>  
    tree = parser.parse()  
           ^^^^^^^^^^^^^
```

```
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\parser_.py", line 43, in parse  
    self.checktype(TokenType.COMMA)
```

```
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\parser_.py", line 22, in checktype  
    raise ValueError("Illegal argument:", self.current_token)
```

```
ValueError: ('Illegal argument:', CHAR:end)
```

- D. **No group and no point X**: ต้องทำงานไม่ได้ => ถูกต้องแล้ว
- E. **Have group and point but in question have different point ✓**

```
G-1,P-1.5,Q-1A,หมาคืออะไร?[*แมว*หมา=**จิ้งจก*เธอ]Q-1B,P-5,แมวคืออะไร?[*เธอ*แมว*หมา=**เสือhiuggu]end
```

```

=====
Group: 1
-----
1A
หมาคืออะไร?
Point: 1.5
1B
แมวคืออะไร?
Point: 5

```

F. Have group and point and have question no group have point X ทำงานผิด

```

G-1,P-1.5,Q-1A,แอปเปิ้ลมะละกอกกล้วยส้มอะไรสีแดง?[**ดอกไม้**มะละกอ**แอปเปิ้ล**มะละกอ**ส้ม]
end,Q-1B,P-5,แมวคืออะไร?[**เธอ**แมว**หมา**เสือhiuggu]end

```

```

Traceback (most recent call last):
  File "C:\Users\Acer\OneDrive\เดสก์ท็อป\Project SE\sebackend\main.py", line 15, in <module>
    tree = parser.parse()
            ^^^^^^^^^^^^^
  File "C:\Users\Acer\OneDrive\เดสก์ท็อป\Project SE\sebackend\parser.py", line 43, in parse
    self.checktype(TokenType.COMMA)
  File "C:\Users\Acer\OneDrive\เดสก์ท็อป\Project SE\sebackend\parser.py", line 22, in checktype
    raise ValueError("Illegal argument:", self.current_token)
ValueError: ('Illegal argument:', CHAR:end)

```

G. In question type? > 1 ✓

```

G-1,P-1.5,Q-1A,หมาคืออะไร??[**แมว**หมา**จิ้งจก**เธอ]Q-1B,P-5,แมวคืออะไร?,rand[**
เธอ**แมว**หมา**เสือhiuggu]end

```

```

=====
Group: 1
-----
1A
หมาคืออะไร???
Point: 1.5
1B
แมวคืออะไร?
Point: 5

```

H. In question have, X ทำงานผิด

```

G-1,P-1.5,Q-1A,แอปเปิ้ล,มะละกอ,กล้วย,ส้ม อะไรสีแดง?[**มะละกอ**แอปเปิ้ล**มะละกอ**ส้ม]Q-
1B,P-5,แมวคืออะไร?,rand[**เธอ**แมว**หมา**เสือhiuggu]end

```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    COMMENTS

```
File "C:\Users\Acer\OneDrive\Documents\Project SE\sebackend\parser.py", line 36, in parse
    result.append(self.parseGroup())
    ^^^^^^^^^^^^^^^^^^^^
File "C:\Users\Acer\OneDrive\Documents\Project SE\sebackend\parser.py", line 70, in parseGroup
    question.append(self.parseQuestion(point))
    ^^^^^^^^^^^^^^^^^^^^
File "C:\Users\Acer\OneDrive\Documents\Project SE\sebackend\parser.py", line 105, in parseQuestion
    choice = self.parseChoice()
    ^^^^^^^^^^^^^^^^^^^^
File "C:\Users\Acer\OneDrive\Documents\Project SE\sebackend\parser.py", line 112, in parseChoice
    self.checktype(TokenType.LEFTSQUARE)
File "C:\Users\Acer\OneDrive\Documents\Project SE\sebackend\parser.py", line 22, in checktype
    raise ValueError("Illegal argument:", self.current_token)
ValueError: ('Illegal argument:', COMMA)
```

I. In question have =  $X$  ทำงานผิด

G-1,P-1.5,Q-1A,แอปเปิ้ล=มะละกอกกล้วยส้มอะไรสีแดง?[\*มะละกอ\*\*แอปเปิ้ล\*\*มะละกอ\*\*ส้ม]Q-1B,P-5,แมวคืออะไร?,rand[\*ขอ\*\*แมว\*\*หมา\*\*เสือhiuggu]end

```

tree = parser.parse()
File "C:\Users\Acer\OneDrive\OneDrive\Project SE\sebackend\parser.py", line 36, in parse
    result.append(self.parseGroup())
File "C:\Users\Acer\OneDrive\OneDrive\Project SE\sebackend\parser.py", line 70, in parseGroup
    question.append(self.parseQuestion(point))
File "C:\Users\Acer\OneDrive\OneDrive\Project SE\sebackend\parser.py", line 101, in parseQuestion
    self.checktype(TokenType.COMMA)
File "C:\Users\Acer\OneDrive\OneDrive\Project SE\sebackend\parser.py", line 22, in checktype
    raise ValueError("Illegal argument:", self.current_token)
ValueError: ('Illegal argument:', ANSWER)

```

J. In question have [] X ทำงานผิด

G-1,P-1.5,Q-1A,แอปเปิ้ล[มะละกอ]กล้วยส้มอะไรสีแดง?[\*มะละกอ\*แอปเปิ้ล\*มะละกอ\*ส้ม]Q-1B,P-5,แมวคืออะไร?,rand[\*เธอ\*แมว\*หมา\*เสือhiuggu]end



```
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\parser.py", line 36, in parse
    result.append(self.parseGroup())
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\parser.py", line 70, in parseGroup
    question.append(self.parseQuestion(point))
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\parser.py", line 105, in parseQuestion
    choice = self.parseChoice()
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\parser.py", line 118, in parseChoice
    self.checktype(TokenType.ASTERISK)
File "C:\Users\Acer\OneDrive\เอกสาร\Project SE\sebackend\parser.py", line 22, in checktype
    raise ValueError("Illegal argument:", self.current_token)
ValueError: ('Illegal argument:', CHAR:ดอกไม้ม)
```

C. No '=' in any choice

G-1,P-1.5,Q-1A,แอปเปิ้ลมะละกอกกล้วยส้มอะไรสีแดง?[\* \* ดอกไม้ \* \* มะละกอ \* \* แอปเปิ้ล \* \* มะละกอ \* \* ส้ม]  
end,G-2,P-5,Q-1B,แมวคืออะไร?[\* \* เธอ \* \* แมว \* \* หมา = \* \* เสือhiuggu]end

[illegible]

## Quizzes Syntax

### A. Syntax As is

G-1,P-1.5

Q-1A,

ข้อใดไม่ใช่ซอฟต์แวร์ประสงค์ร้าย?

```
rand[**Redhat=**Virus**Trojan**Security Killer]
```

Q-1B,

Software ประสงค์ร้าย ข้อใดไม่ถูกต้อง?

```
rand[**Virus,www=** Keylogger , Security killer** Spyware , Ransomware** Virus , Trojan]
```

Q-1C,

ซอฟต์แวร์ประสงค์ร้ายใดทำหน้าที่ลอบขโมยข้อมูลของผู้ใช้ และทำการเรียกค่าไถ่?

```
rand[**Ransomware= ** Security Killer ** Security Killer ** Spyware]
```

Q-1D,

Malwareที่สามารถขยายตัวเพื่อกินพื้นที่บนอุปกรณ์ทำให้พื้นที่เต็มคืออะไร?

```
rand[**Worms=**Virus** Security Killer** Ransomware]
```

end,

G-2,P-2

Q-2A,

ข้อใดต่อไปนี้เป็นซอฟต์แวร์ประสงค์ร้ายแบบ Spyware?

```
rand[**จอบเอนเก็บข้อมูลส่วนตัวส่งไปให้แฮกเกอร์**จินโดบันทึกการกดแป้นพิมพ์**แจคสันคอมของเคาโดนทำลายระบบป้องกัน**จิงยงคอมของเคาโดนไวรัส]
```

Q-2B,

กล่าวคือใคร?

```
rand[**หนูม=**สาว**ตา**รถไฟ]
```

end

มีการใช้งานในตัวคำถามด้วยอักขระพิเศษจึงต้องทำการแก้ไขตัว syntax ให้รองรับกับชุดคำถามนั้น ๆ

### B. Syntax To be

G-....1....\*

P-....2....\*

Q-....1A....\*

.....ข้อใดไม่ใช่ซอฟต์แวร์ประสงค์ร้าย?.....

```
[*Redhat=*Virus *Trojan*Security Killer]
```

Q-....1B....\*

.....ซอฟต์แวร์ประสงค์ร้ายข้อใดไม่ถูกต้อง?.....

```
[*www=*Security Killer*Spyware*Ransomware]
```

end\*

Q-....2....\*

P-....5....\*

.....จริยธรรมคืออะไร?.....

```
[*สิ่งที่ทำแล้วไม่ส่งผลให้คนอื่นทั่วๆไปเดือดร้อน=*สิ่งที่ใครๆก็ทำกันไม่ว่ามันจะกระทบผู้อื่นหรือไม่*ข้อปฏิบัติที่พ่อแม่กำหนดให้*ถูกทุกข้อ]
```



## **Recommendation**

- A. Should change syntax for easy to use.
- B. Should change syntax for support special character.

## **Summary**

- I. Test result of quiz importer after test quiz importer by Test syntax for import, Upload to LMS and Support for group questions and questions no group have results as follows:
  - Test syntax for import success by test file import with wrong syntax and correct syntax and it works correctly.
  - Upload to LMS success by test file import, then upload to LMS and see the quiz uploaded on mango and it works correctly.
  - Support for group questions and no group questions by test file import with correct syntax and it works correctly.