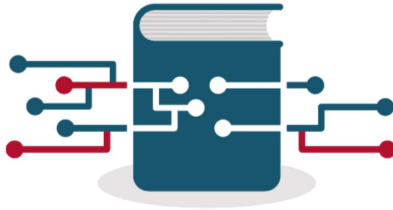


Testing Plans and User Manual



PSP Education

Project : WhereIsMyTutor (Group 16)

Authors and Contributions :

Authors	Contributions
6230563321 Suchakree Maneepakorn (Leader)	User Manual
6231323221 Dragorn Padungpattanodom	User Manual
6231325521 Thanapat Trachu	Test Plan / Test Plan via testing tool etc.
6231340921 Pongsapak Pulthasthan	Test Plan
6231343821 Peeranath Theerawatanachai	Test Plan
6231356021 Vorapon Khunakornkorkbij	User Manual
6231367921 Sahutsawat Sivakosit	User Manual
6231371321 Atibodee Champathes	Test Plan

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Test Plan

Function: Create Course

Input Equivalence Classes

Equivalence Class ID	Input	Validation
1	Course Name is an empty string	invalid
2	Course Name length is not an empty string	valid
3	Course Name is already existed in the database	invalid
4	Subject is an empty string	invalid
5	Subject is not an empty string	valid
6	Lesson is empty string	invalid
7	Lesson is not empty string	valid
8	Course Start Date is correct format.	valid
9	Course Start Date is incorrect format.	invalid
10	Course Finish Date is correct format.	valid
11	Course Finish Date is incorrect format.	invalid
12	Course Start Date is less than or equal to Course Finish Date.	valid
13	Course Start Date is more than Course Finish Date.	invalid
14	Price is not a number.	invalid
15	Price is a number less than 0.	invalid
16	Price is a number more than or equal to 0.	valid
17	Capacity is not an integer.	invalid
18	Capacity is a negative integer.	invalid
19	Capacity is a zero.	invalid

20	Capacity is a positive integer.	valid
21	Description is an empty string.	invalid
22	Description is not an empty string.	valid
23	Hour is not an integer.	invalid
24	Hour is a negative integer.	invalid
25	Hour is a zero.	invalid
26	Hour is a positive integer.	valid
27	Status is not “published” or “unpublished”.	invalid
28	Status is “published” or “unpublished”.	valid
29	Learning Type is not “onsite” or “online” or “mixed”.	invalid
30	Learning Type is “onsite” or “online” or “mixed”.	valid
31	Location is an empty string.	invalid
32	Location is not an empty string.	valid

Test case

Assume that

- A user who creates a course is a tutor whose user id (tutor id) is authorized.
- There is already a course existed in the database whose its name is “Math By P’James”

Test case ID	TC1-1	
Input(s)	Tutor ID	<Tutor ID>
	Course Name	Physics By P’ James
	Subject	Physics
	Lesson	Energy
	Course Start Date	2022-01-01
	Course Finish Date	2022-02-01
	Price	1000
	Capacity	10
	Description	Course’s contents are about Potential, and Kinetic Energy.
	Hour	15
	Status	published
	Learning Type	online
	Location	Siam Paragon
Expected Output	valid	
Class Covered	2, 5, 7, 8, 10, 12, 16, 20, 22, 26, 28, 30, 32	

Test case ID	TC1-2	
Input(s)	Tutor ID	<Tutor ID>
	Course Name	<empty string>

	Subject	<empty string>
	Lesson	<empty string>
	Course Start Date	1999/19/65
	Course Finish Date	1515/11-15
	Price	a
	Capacity	b
	Description	<empty string>
	Hour	c
	Status	p
	Learning Type	o
	Location	<empty string>
Expected Output	invalid	
Class Covered	1, 4, 6, 9, 11, 14, 17, 20, 21, 23, 27, 29, 31	

Test case ID	TC1-3	
Input(s)	Tutor ID	<Tutor ID>
	Course Name	Math By P'James
	Subject	Math
	Lesson	Calculus
	Course Start Date	2022-02-01
	Course Finish Date	2021-02-01
	Price	-10
	Capacity	0
	Description	This course contents are Limit and Continuity, Derivative and Integral.
	Hour	-100

	Status	inpublished
	Learning Type	onsite&online
	Location	P James' Bedroom
Expected Output	invalid	
Class Covered	3, 5, 7, 8, 10, 13, 15, 18, 22, 24, 27, 29, 32	

Test case ID	TC1-4	
Input(s)	Tutor ID	<Tutor ID>
	Course Name	Chemistry By P'James
	Subject	Chemistry
	Lesson	Acid-Base
	Course Start Date	2021-02-01
	Course Finish Date	2021-02-14
	Price	999
	Capacity	0
	Description	<empty string>
	Hour	0
	Status	published
	Learning Type	onsite
	Location	P James' Bedroom
Expected Output	invalid	
Class Covered	2, 5, 7, 8, 10, 12, 16, 19, 21, 25, 28, 30, 32	

Function: Create Report

Input Equivalence Classes

Equivalence Class ID	Input	Validation
1	User Id is an empty string.	invalid
2	User Id is not an empty string but does not exist in the database.	invalid
3	User Id is not an empty string and exists in the database.	valid
4	Title is an empty string.	invalid
5	Title is not an empty string.	valid
6	Type is not a number.	invalid
7	Type is a number that is less than 0 or greater than 2.	invalid
8	Type is a number that is greater than or equal to 0 and less than or equal to 2.	valid
9	Detail is an empty string.	invalid
10	Detail is not an empty string.	valid
11	Picture is empty.	valid
12	Picture is not empty.	valid

Test case

Test case ID	TC2-1	
Input(s)	User Id	<Valid User ID>
	Title	Cannot enroll in Math by P'James Course
	Type	2
	Detail	There was an unknown error that popped up

		when I clicked the enroll button.
	Picture	<Valid Picture>
Expected Output	valid	
Class Covered	3, 5, 8, 10, 12	

Test case ID	TC2-2	
Input(s)	User Id	<empty string>
	Title	<empty string>
	Type	a
	Detail	<empty string>
	Picture	<empty>
Expected Output	invalid	
Class Covered	1, 4, 6, 9, 11	

Test case ID	TC2-3	
Input(s)	User Id	<Invalid User ID>
	Title	Cannot enroll in Math by P'James Course
	Type	-1
	Detail	There was an unknown error that pops up when I click the enroll button.
	Picture	<empty>
Expected Output	invalid	
Class Covered	2, 5, 7, 10, 11	

Function: Register Student

Input Equivalence Classes

Equivalence Class ID	Input	Validation
1	Firstname is an empty string.	invalid
2	Firstname is not an empty string and length is less than or equal to 45.	valid
3	Firstname is not an empty string and length is greater than 45.	invalid
4	Lastname is an empty string.	invalid
5	Lastname is not an empty string and length is less than or equal to 45.	valid
6	Lastname is not an empty string and length is greater than 45.	invalid
7	Username is an empty string.	invalid
8	Username is not an empty string and length is between 8 and 16.	valid
9	Username is not an empty string and length is not between 8 and 16.	invalid
10	Password is an empty string.	invalid
11	Password is not an empty string.	valid
12	Email is an empty string.	invalid
13	Email is not an empty string and is in the correct format.	valid
14	Email is not an empty string and is not in the correct format.	invalid
15	Phone number is an empty string.	invalid
16	Phone number is not an empty string and is in the correct format.	valid

17	Phone number is not an empty string and is not in the correct format.	invalid
18	Display name is an empty string.	invalid
19	Display name is not an empty string and length is less than or equal to 45.	valid
20	Display name is not an empty string and length is greater than 45.	invalid
21	Birthdate is empty.	invalid
22	Birthdate is not empty but in the wrong format.	invalid
23	Birthdate is not empty and in the correct format.	valid
24	Gender is empty.	invalid
25	Gender is not empty and equal to male, female or other	valid
26	Gender is not empty but not equal to male, female or other	invalid
27	Educational level is equal to NotDefined.	invalid
28	Educational level is equal to Pre-school, Primary1-3, Primary4-6, Secondary1-3, Secondary4-6, Bachelor's Degree, Master's Degree, or PhD.	valid

Test cases

Assume that

- The user has already selected a student role.
- The user has already selected their picture.

Test case ID	TC3-1	
Input(s)	Firstname	<empty string>
	Lastname	<empty string>
	Username	<empty string>

	Password	<empty string>
	Email	<empty string>
	PhoneNumber	<empty string>
	DisplayName	<empty string>
	Birthdate	<empty>
	Gender	<empty string>
	EducationalLevel	<empty>
Expected Output	invalid	
Class Covered	1, 4, 7, 10, 12, 15, 18, 21, 24, 27	

Test case ID	TC3-2	
Input(s)	Firstname	Dragorn
	Lastname	Padung
	Username	DragornLnwZa
	Password	23rdcd3rsfsdf
	Email	dragornpd@gmail.com
	PhoneNumber	0899999999
	DisplayName	dron...socool
	Birthdate	01/01/2000
	Gender	Male
	EducationalLevel	Secondary4-6
Expected Output	valid	
Class Covered	2, 5, 8, 11, 13, 16, 19, 23, 25, 28	

Test case ID	TC3-3
--------------	-------

Input(s)	Firstname	Dragorn
	Lastname	Padung
	Username	Dragorn
	Password	23rdcd3rsfsdf
	Email	dragornpd@gmail/com
	PhoneNumber	089
	DisplayName	dron...socool
	Birthdate	01/01/2000
	Gender	Male
	EducationalLevel	Pre-School
Expected Output	invalid	
Class Covered	2, 5, 9, 11, 14, 17, 19, 23, 25, 28	

** The UI form of registration always clips the length fields with maximum length.

Function: Login

Input Equivalence Classes

Equivalence Class ID	Input	Validation
1	Email is an empty string	invalid
2	Email format is not correct	invalid
3	Email format is correct, and contained in database	valid
4	Email format is correct, and not contained in database	invalid
5	Password is an empty string	invalid
6	Password is not an empty string, but incorrect	invalid
7	Password is not an empty string, and correct	valid

Test cases

Assume that

- The user has already existed on the system with the username is thanapat.trachu@gmail.com and password is se22012.
- There is no ttest@gmail.com in the database.

Test case ID	TC4-1	
Input(s)	Email	<empty string>
	Password	<empty string>
Expected Output	invalid	
Class Covered	1, 4	

Test case ID	TC4-2	
Input(s)	Email	<empty string>
	Password	se22011
Expected Output	invalid	
Class Covered	1, 6	

Test case ID	TC4-3	
Input(s)	Email	thanapat.trachu
	Password	<empty string>
Expected Output	invalid	
Class Covered	2, 5	

Test case ID	TC4-4	
Input(s)	Email	thanapat.trachu
	Password	se222011
Expected Output	invalid	
Class Covered	2, 6	

Test case ID	TC4-5	
Input(s)	Email	ttest@gmail.com
	Password	<empty string>
Expected Output	invalid	
Class Covered	4, 5	

Test case ID	TC4-6	
Input(s)	Email	ttest@gmail.com
	Password	aaaa

Expected Output	invalid
Class Covered	4, 6

Test case ID	TC4-7	
Input(s)	Email	thanapat.trachu@gmail.com
	Password	<empty string>
Expected Output	invalid	
Class Covered	3, 5	

Test case ID	TC4-8	
Input(s)	Email	thanapat.trachu@gmail.com
	Password	se22011
Expected Output	invalid	
Class Covered	3, 6	

Test case ID	TC4-9	
Input(s)	Email	thanapat.trachu@gmail.com
	Password	se22012
Expected Output	valid	
Class Covered	3, 7	

Requirement Validation Matrix

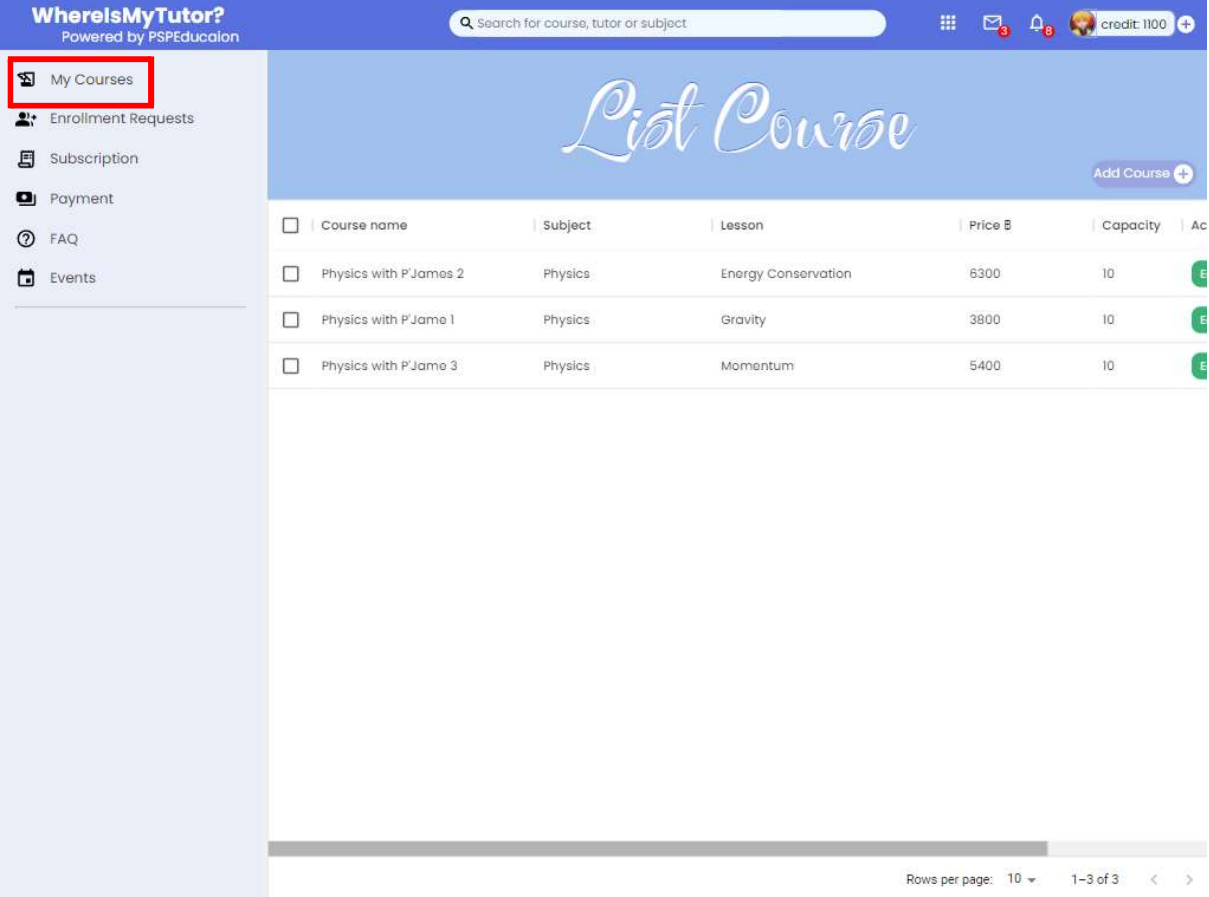
User Story ID	Requirement Description	Test cases ID	Status
US1-1	As a guest, I want to create account, so that I can access the application.	TC3-1, TC3-2, TC3-3	P
US3-1	As a user, I want to log in to the application, so that I can start using the application.	TC4-1, TC4-2, TC4-3, TC4-4, TC4-5, TC4-6, TC4-7, TC4-8, TC4-9	P
US5-1	As a tutor, I want to create courses, so that I can start teaching my courses.	TC1-1, TC1-2, TC1-3, TC1-4	P
US6-2	As a user, I want to report issues, so that I can indicate the problem to the admin.	TC2-1, TC2-2, TC2-3	P

User Manual

Function: Create Course

Instruction

1. A user login as a tutor and click the My Course button at the left sidebar to go to My Course page.



WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

credit: 1100

My Courses

Enrollment Requests

Subscription

Payment

FAQ

Events

List Course

Add Course

<input type="checkbox"/>	Course name	Subject	Lesson	Price	Capacity	Action
<input type="checkbox"/>	Physics with P.James 2	Physics	Energy Conservation	6300	10	Edit
<input type="checkbox"/>	Physics with P.Jame 1	Physics	Gravity	3800	10	Edit
<input type="checkbox"/>	Physics with P.Jame 3	Physics	Momentum	5400	10	Edit

Rows per page: 10 1-3 of 3

2. In the My Course page, click the Add Course button and the form will pop up for the user to fill out the information.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

credit: 1100

My Courses

Enrollment Requests

Subscription

Payment

FAQ

Events

List Course

Add Course

<input type="checkbox"/>	Course name	Subject	Lesson	Price £	Capacity	Ac
<input type="checkbox"/>	Physics with P'James 2	Physics	Energy Conservation	6300	10	E
<input type="checkbox"/>	Physics with P'Jame 1	Physics	Gravity	3800	10	E
<input type="checkbox"/>	Physics with P'Jame 3	Physics	Momentum	5400	10	E

Rows per page: 10 1-3 of 3

3. In the form, fill out the information thoroughly which consists of Course name, Subject, Lesson, Price, Start Date, End Data, Hour, Capacity, Description, Learning Type, Location.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

My Courses
Enrollment Requests
Subscription
Payment
FAQ
Events

Create Course

Course name *

Subject *

Lesson

Price *

Total Price

Start Date

End Date

Hour *

Total Hour

Capacity *

Add Course +

Price \$	Capacity	Ac
6300	10	E
3800	10	E
5400	10	E

Rows per page: 10 1-3 of 3

4. In the form, click the create button to create a course.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

My Courses
Enrollment Requests
Subscription
Payment
FAQ
Events

credit: 1100

Price
2500

Total Price

Start Date
04/19/2022

End Date
04/23/2022

Hour *
12

Total Hour

Capacity *
5

Normal subscription max at 12, Premium subscription max at 50

Description *
Do you wanna play badminton with P'Aong?
Let's join a course!

Learning type *
Onsite

Location *
CU Sports Complex

Create Clear

Price | Capacity | Act

6300	10	Es
3800	10	Es
5400	10	Es

Rows per page: 10 1-3 of 3

5. In the form, click the clear button to delete every value in each field.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

My Courses
Enrollment Requests
Subscription
Payment
FAQ
Events

credit: 1100

Add Course +

Price | Capacity | Act

6300	10	En
3800	10	En
5400	10	En

Price

Capacity

Act

2500

Total Price

Start Date

04/19/2022

End Date

04/23/2022

Hour *

12

Total Hour

Capacity *

5

Normal subscription max at 12, Premium subscription max at 50

Description *

Do you wanna play badminton with P'Aong?
Let's join a course!

Learning type *

Onsite

Location *

CU Sports Complex

Create

Clear

Rows per page: 10 1-3 of 3

6. In the form, click the x button at the top right to leave the form.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

3

8

credit: 1100

My Courses

Enrollment Requests

Subscription

Payment

FAQ

Events

Create Course

Course name *

Subject *

Lesson

Price *

Total Price

Start Date

End Date

Hour *

Total Hour

Capacity *

Add Course

Price B	Capacity	Ac
6300	10	E
3800	10	E
5400	10	E

Rows per page: 10

1-3 of 3

7. After having clicked the create button, the user will return to My Course Page and the course which the user just filled will appear in the course list.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

3

8

credit: 1100

+

My Courses

Enrollment Requests

Subscription

Payment

FAQ

Events

List Course

Add Course +

<input type="checkbox"/>	Course name	Subject	Lesson	Price B	Capacity	Act
<input type="checkbox"/>	Physics with PJames 2	Physics	Energy Conservation	6300	10	<div>Enroll</div>
<input type="checkbox"/>	Physics with PJames 1	Physics	Gravity	3800	10	<div>Enroll</div>
<input type="checkbox"/>	Physics with PJames 3	Physics	Momentum	5400	10	<div>Enroll</div>
<input type="checkbox"/>	Badminton with AongAong	Badminton	Is it wrong to pick up a girl in a cou...	2500	5	<div>Enroll</div>

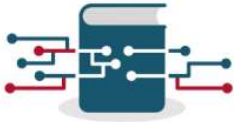
Rows per page: 10 1-4 of 4

Function: Login

Instruction

1. At the login page, there are 2 input boxes: email address input, and password input.

WhereIsMyTutor?
Powered by PSPEducation


PSP Education

Team Developers

Molk

Mames

Mong

Meemut

Mact

Moey

Mron

Mhane

Welcome !!

Email address

Password

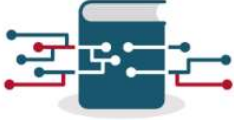
Login

New to WhereIsMyTutor? [Sign up](#)

U2.0.1 Privacy Policy | updated on Mar 15th, 2022
WhereIsMyTutor? is operated by PSP Education, Chulalongkorn University


2. fill in an email address and a password according to the email address.

WhereIsMyTutor?
Powered by PSPEducation




PSP Education

Team Developers




Maki




Mames




Mong




MeeMut




Mact



Moey



Mron



Mhane

Welcome !!

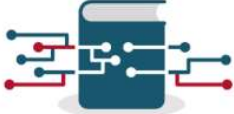
Login

New to WhereIsMyTutor? [Sign up](#)


1.12.0.1 Privacy Policy | updated on Mar 15th, 2022
WhereIsMyTutor? is operated by PSP Education, Chulalongkorn University


3. Press the login button to login to the system.


WhereIsMyTutor?
Powered by PSPEducation



PSP Education


Team Developers



Molk



Mames



Mong


MeeMut


Mact


Moey


Mron


Mhane

Welcome !!

Login

New to WhereIsMyTutor? [Sign up](#)

1.12.0 | Privacy Policy | updated on Mar 15th, 2022
WhereIsMyTutor? is operated by PSP Education, Chulalongkorn University

4. The user home page will be displayed.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

3

8

credit: 1100

+

My Courses

Enrollment Requests

Subscription

Payment

FAQ

Events

List Course

Add Course +

<input type="checkbox"/>	Course name	Subject	Lesson	Price B	Capacity	Ac
<input type="checkbox"/>	Physics with P'James 2	Physics	Energy Conservation	6300	10	E
<input type="checkbox"/>	Physics with P'Jame 1	Physics	Gravity	3800	10	E
<input type="checkbox"/>	Physics with P'Jame 3	Physics	Momentum	5400	10	E
<input type="checkbox"/>	Badminton with AongAong	Badminton	Is it wrong to pick up a girl in a cou...	2500	5	E

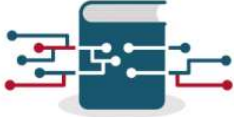
Rows per page: 10 1-4 of 4 < >

Function: Register

Instruction

1. At the login page, click a sign up button to go to the registration page.

WhereIsMyTutor?
Powered by PSPEducation


PSP Education

Team Developers

Molk

Mames

Mong

Meemut

Mact

Moey

Mron

Mhane

Welcome !!

Login

New to WhereIsMyTutor? [Sign up](#)

U2.01 Privacy Policy | updated on Mar 15th, 2022
WhereIsMyTutor? is operated by PSP Education, Chulalongkorn University

2. Fill out information in the register page which consists of user type, first name, last name, username, password, confirm password, email, phone number, display name, birthdate, gender, educational level, citizen ID. Then, upload a profile picture and a citizen image.

WhereIsMyTutor?
Powered by PSPEducation

Register

User Type *
Student ▼

Firstname *
Sahutsawat

Lastname *
Sivakosit

Username *
aongaong123

Password *

Confirm Password *

Email *
aongaong@gmail.com

Phone Number *
0999999999

Display Name *
aongaong123

Birthdate
04/17/2001

Gender *
Male ▼

3. Press the Register button to sign up as a user.

WhereIsMyTutor?
Powered by PSPEducation

Username *
aongaong123

Password *

Confirm Password *

Email *
aongaong@gmail.com

Phone Number *
0999999999

Display Name *
aongaong123

Birthdate
04/17/2001

Gender *
Male

Education Level *
Bachelor's Degree

Profile Picture
Choose File No file chosen

Citizen ID *
4045867340743

Citizen Image
Choose File No file chosen

Register

Already a user? [Login](#)

Function: Create Report

Instruction

1. In the report page, fill out information in this page consisting of title, problem type, and detail.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

My Courses
Enrollment Requests
Subscription
Payment
FAQ
Events

Report

Title *

Problem Type *

Detail *

Attached Picture
Choose File No file chosen

Report Problem

2. Then, this page allows you to attach a picture.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

My Courses
Enrollment Requests
Subscription
Payment
FAQ
Events

Report

Title *
Course enrollment failed

Problem Type *
payment report

Detail *
I cannot enroll into any course, even if my credit is higher than the course price.

Attached Picture
Choose File No file chosen

Report Problem

3. Finally, click the Report Problem button to report the problem.

WhereIsMyTutor?
Powered by PSPEducation

Search for course, tutor or subject

My Courses
Enrollment Requests
Subscription
Payment
FAQ
Events

Report

Title *
Course enrollment failed

Problem Type *
payment report

Detail *
I cannot enroll into any course, even if my credit is higher than the course price.

Attached Picture
Choose File No file chosen

Report Problem

Limitation of The Implementation

Function: Register

1. Regarding the register form, the upload image function is not properly working with the current tools.
2. Regarding the register form, users can choose their birth date from the future.

Function: Create Course

1. Regarding the course creating form, the upload image function is not properly working with the current tools.
2. Regarding the course creating form, users can choose the start date of the course from the past.

Function: Report

1. Regarding the report form, the upload image function is not properly working with the current tools.

Function: Search

1. Regarding the search page, there is no sorting tool implemented in the search function.

Function: Topup

1. The user cannot top up credit with the payment system yet. Currently, they can click a plus button next to the profile avatar to add 100 credits for testing the system.