

# USER-IP MAPPING

FOSSEE,IIT Bombay

Kashmira Nagwekar



127.0.0.1

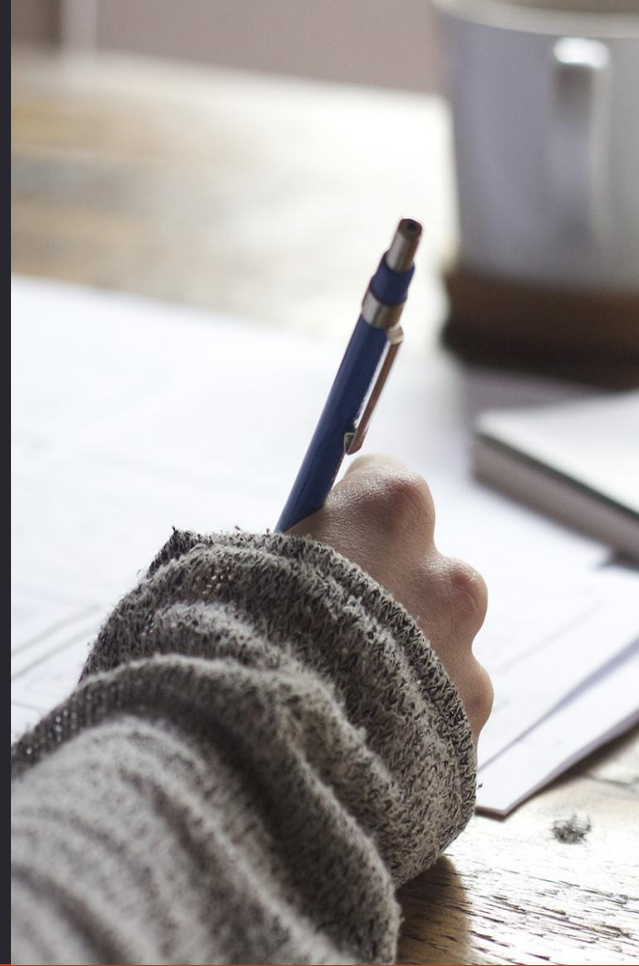
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# HELLO!

I AM AMRATA RAMCHANDANI

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# OVERVIEW

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- About FOSSEE @ IIT Bombay
- AIM towards contributing to Moodle
- Contribution done till date.
- USER-IP Mapping(Plugin)

# What is IIT Bombay ?



# What is FOSSEE ?



# AIM

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*Adapt quiz module to meet  
increasing need for  
computer based assessments (CBA).*



# Contribution List

## FEATURES (Published)

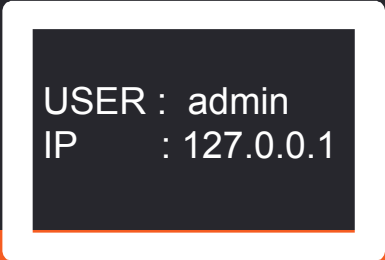
- ✓ Activating quiz attempt button without refreshing the page (Plugin)

## FEATURES (Under Review)

- ❑ Clear radio button option in MCQs (Patch)
- ❑ Access rule navigation (Patch)
- ❑ USER-IP Mapping (Plugin)

# USER-IP MAPPING

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USER : admin  
IP : 127.0.0.1



# NEED

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*To make user attempt the quiz from  
an allotted terminal*

# Currently available options

- Quiz attempt allowed from any computer



User : abc  
Location : Hostel Room  
IP : 10.102.7.32



User : abc  
Location : Classroom  
IP : 172.20.4.21



User : abc  
Location : Cafeteria  
IP : 192.170.34.9

# Currently available options (contd.)

- Quiz attempt allowed from any computer within the subnet



User : abc  
Location : Classroom  
IP : 10.102.7.32



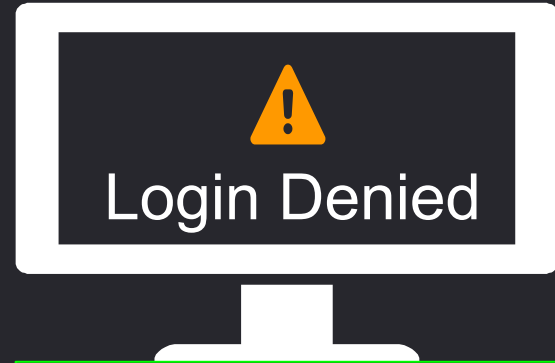
User : abc  
Location : Classroom  
IP : 10.102.7.33



User : abc  
Location : Classroom  
IP : 10.102.7.34

# Currently available options (contd.)

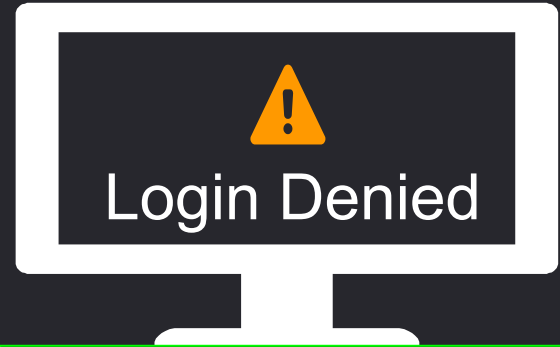
- Authentication restricted by IP (Plugin)





```
LOGIN
User      : abc
Password  : *****
IP        : 10.102.7.32
Alloted IP : 172.20.4.21
```

# Problems with available options

- Restricting attempt through the subnet doesn't serve our need.
- Authentication by IP restrict the access of **course content** from an allotted IP only.



```
LOGIN   
User      : abc  
Password  : *****  
IP        : 10.102.7.32  
Alloted IP : 172.20.4.21 
```

# Solution : USER - IP Mapping



User : abc

IP : 10.102.7.32



User : def

IP : 10.102.7.33



User : ghi

IP : 10.102.7.34



User : pqr

IP : 10.102.7.37



User : mno

IP : 10.102.7.36



User : jkl

IP : 10.102.7.35

# USAGE

1. Enable this plugin in quiz settings.

## ▼ Extra restrictions on attempts

Require password  [Click to enter text](#)  

Require network address 

Enforced delay between 1st and 2nd attempts     Enable

Enforced delay between later attempts     Enable

Browser security 

Enable user-IP mapping    Allow Unmapped

# USAGE (contd.)

2. Upload mappings(CSV) through quiz navigation block.

Quiz ID 5

Grading method: Highest grade

Attempts: 6

Summary of your previous attempts

Attempt	State	Marks / 2.00	Grade
Preview	Finished Submitted Sunday, 15 October 2017, 10:11 PM	0.00	

Highest grade: 0.00 / 10.00.

Re-attempt quiz

Edit settings

Group overrides

User overrides

⚙ Edit quiz

🔍 Preview

⚙ Access rules

● User-IP mapping

📊 Results

● Grades

● Responses

● Statistics

● Manual grading



# Upload new mappings or Edit existing ones

## Manage user-IP Mappings

[Dashboard](#) / [Courses](#) / [WD](#) / [Chapter 1](#) / [Quiz ID 5](#) / [Access rules](#) / [User-IP mapping](#)

[Import user-IP mappings](#)

[Edit user-IP mapping](#)

# Upload Mappings

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# Uploading Interface

## Import user-IP mappings

[Dashboard](#) / [Courses](#) / [WD](#) / [Chapter 1](#) / [Quiz ID 5](#) / [Access rules](#) / [User-IP mapping](#) / [Import user-IP mappings](#)

### Upload mapping

File



Choose a file...



You can drag and drop files here to add them.

CSV delimiter

, 

Encoding

UTF-8 

Preview rows

10 

Upload mapping

Cancel

There are required fields in this form marked  .

# Sample CSV file

```
username,ip
abc,10.102.7.32
def,10.102.7.33
ghi,10.102.7.34
jkl,10.102.7.35
mno,10.102.7.36
pqr,10.102.7.37|
```



```
username,ip
abc,10.102.7.32
def,
,10.102.7.35
.
mno,10.102.7.36
pqr,10.102.7.37|
```



- IP Address missing
- Username & IP both missing
- Username missing

# Upload mappings preview

Username	IP address	User status
abc	10.102.7.32	Enrolled
def		Enrolled
	10.102.7.35	Not Registered
		Not Registered
mno	10.102.7.36	Not Enrolled
pqr	10.102.7.37	Not Registered

## File Summary

Total no. of entries in the file : 6

## Warning

Following mappings will be skipped

1. Number of users who are not enrolled in this course : 1
2. Number of users who are not registered on this moodle instance : 3

## Error

1. No. of entries with only Username Missing : 1
2. No. of entries with only IP Address Missing : 1
3. No. of entries with both Username and IP Address Missing : 1

# Upload mappings preview

Username	IP address	User status
abc	10.102.7.32	Enrolled
def	10.102.7.33	Enrolled
ghi	10.102.7.34	Not Registered
jkl	10.102.7.35	Not Registered
mno	10.102.7.36	Not Enrolled
pqr	10.102.7.37	Not Registered

## File Summary

Total no. of entries in the file : 6

## Warning

Following mappings will be skipped

1. Number of users who are not enrolled in this course : 1
2. Number of users who are not registered on this moodle instance : 3

Confirm mapping

Cancel

# Not registered and not enrolled users will be skipped

## Import user-IP mappings

[Dashboard](#) / [Courses](#) / [WD](#) / [Chapter 1](#) / [Quiz ID 5](#) / [Access rules](#) / [User-IP mapping](#) / [Import user-IP mappings](#)

### Note

1. No. of mappings skipped : 4
2. Rest of the IP Mappings were successfully added.

Continue

# All entries found to be in accepted format

## Upload mappings preview

Username	IP address	User status
abc	10.102.7.32	Enrolled
def	10.102.7.33	Enrolled

### File Summary

Total no. of entries in the file : 2

### Perfect !

All entries found to be in accepted format

Confirm mapping

Cancel



# Success notification

## Import user-IP mappings

[Dashboard](#) / [Courses](#) / [WD](#) / [Chapter 1](#) / [Quiz ID 5](#) / [Access rules](#) / [User-IP mapping](#) / [Import user-IP mappings](#)

Well Done !  
All IP Mappings were successfully added.

Continue

# Edit Mappings

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# Editing Interface

## Edit user-IP mapping

[Dashboard](#) / [Courses](#) / [WD](#) / [Chapter 1](#) / [Quiz ID 5](#) / [Access rules](#) / [User-IP mapping](#) / [Edit user-IP mapping](#)

User name

ABC Moodler

ABCD Moodler

ABEF Moodler

User ID

View

Cancel

# Required search to edit mapping

User name

User ID

User name

User ID

Search through only Username

Search through only ID number

User name

User ID

Search through Username & ID number



# Viewing the record and editing the IP Address

User name

User ID

Press enter when finished editing,Focus out of the edit box to Cancel.

Sr. no	User ID	User name	User fullname	Timestamp	IP address
1	123	abc	ABC Moodler	2017-11-06 19:21:33	10.102.7.32 

Press enter when finished editing,Focus out of the edit box to Cancel.

Sr. no	User ID	User name	User fullname	Timestamp	IP address
1	123	abc	ABC Moodler	2017-11-06 19:21:33	<input type="text" value="10.102.7.32"/>

# Notifications

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# IP Address mismatch notification

## Quiz ID 5

Grading method: Highest grade

You are being assigned : **10.102.7.32** IP Address to attempt the quiz and this computer's IP address does not match with the assigned one.

[Back to the course](#)

# IP Address not assigned notification

Quiz ID 5



Grading method: Highest grade

Attempts: 6

You have not been assigned any IP address to attempt this quiz, please contact your instructor to get it assigned in order to attempt this quiz.

[Back to the course](#)



# THANKS!

ANY QUESTIONS?



# CREDITS

Special thanks to our mentor

P Sunthar

Associate Professor

Dept. of Chemical Engineering

IIT Bombay

