

Online Test System

User Manual

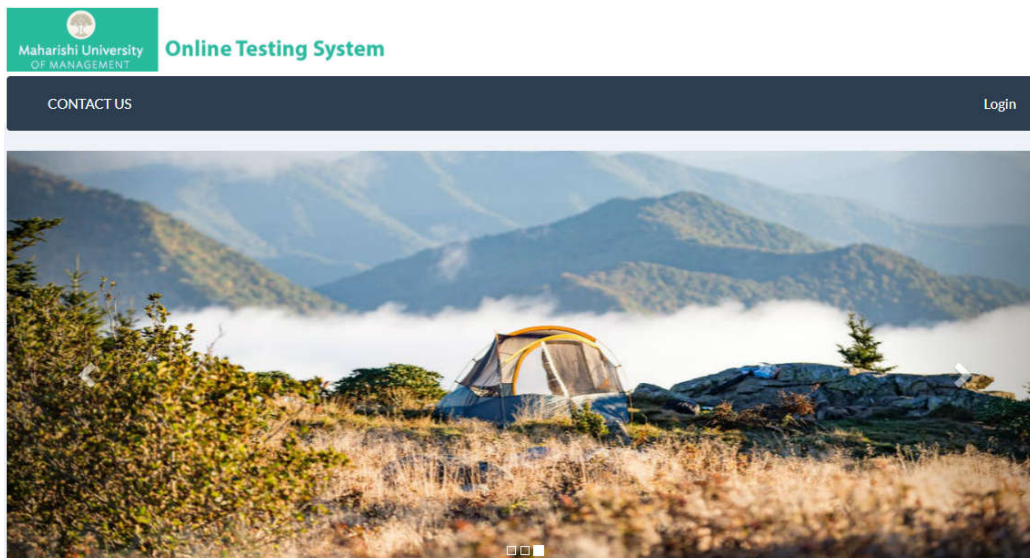
Group 5

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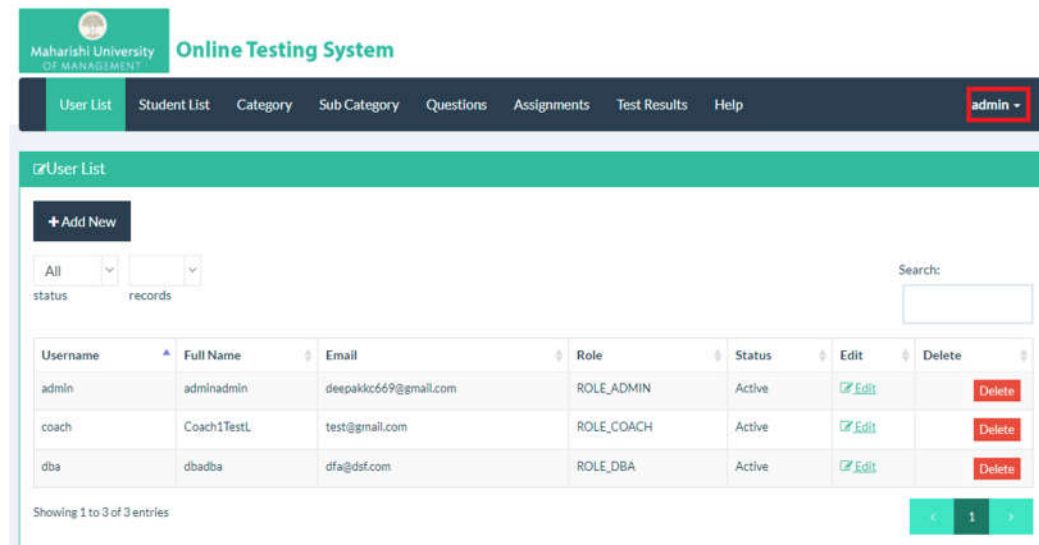
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1. Introduction



This document is the user manual of the **MUM Online Test System**. MUM Online Test System is used for job-seeking students to help review the interview questions (Java, JavaScript).

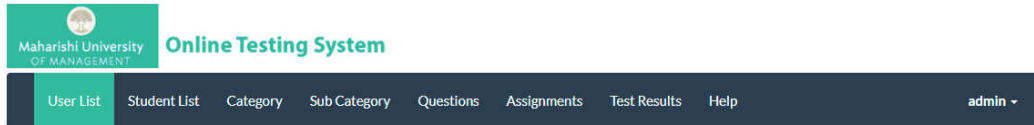
There are 4 types of roles in the system, .Admin, DBA, Coach and Student. You could find who you are in the right corner of the window.



Admin, DBA and Coach are the administrators of the system, which are usually handled by university staff. Student means the MUM students who are doing job seeking, which will take part in the test once they receive the test link from email triggered by university staff from whom that holds the Coach Account.

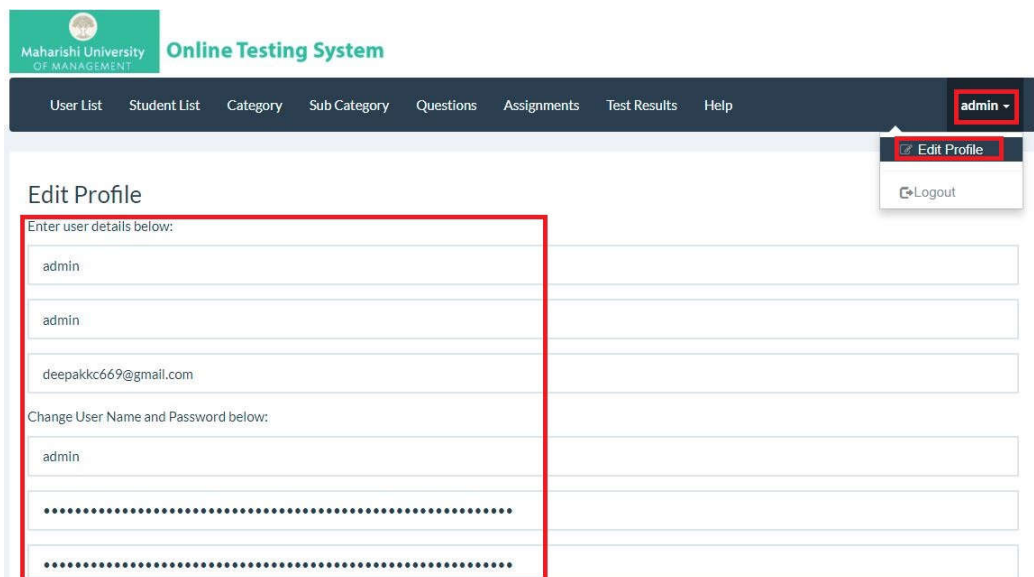
2. Admin Manual

Admin user is the super user of the system. Please check the function of the Admin User below:



2.1 Edit Profile

As an admin you are able to edit your own profile including change your password.

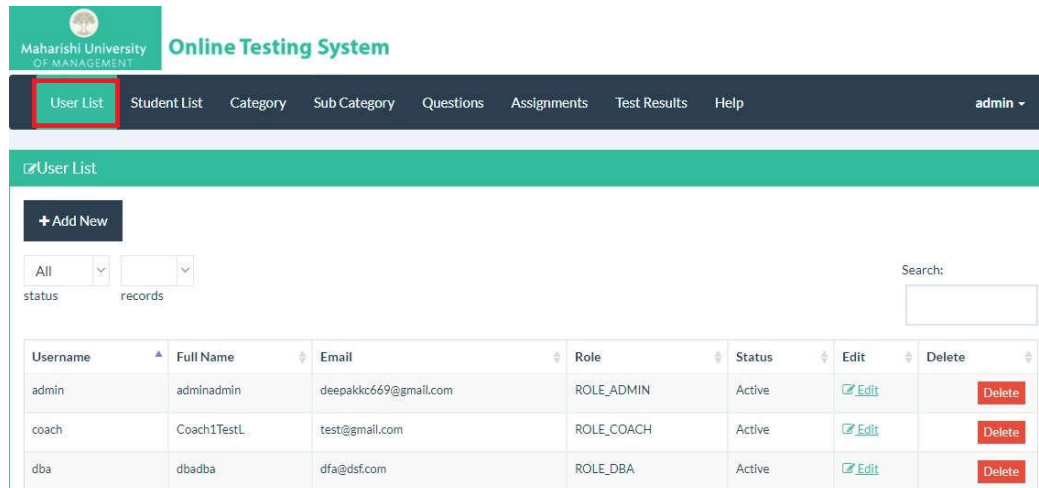


2.2 Manage Users

Admin user could manage all the other 3 types of users (Coach, DBA and Student).

2.3.1 Check Existing Users

You could check the users that are already stored in the system. Reminder: Users here concludes all Admin, Coach and DBA users.



Online Testing System

User List | Student List | Category | Sub Category | Questions | Assignments | Test Results | Help | admin

User List

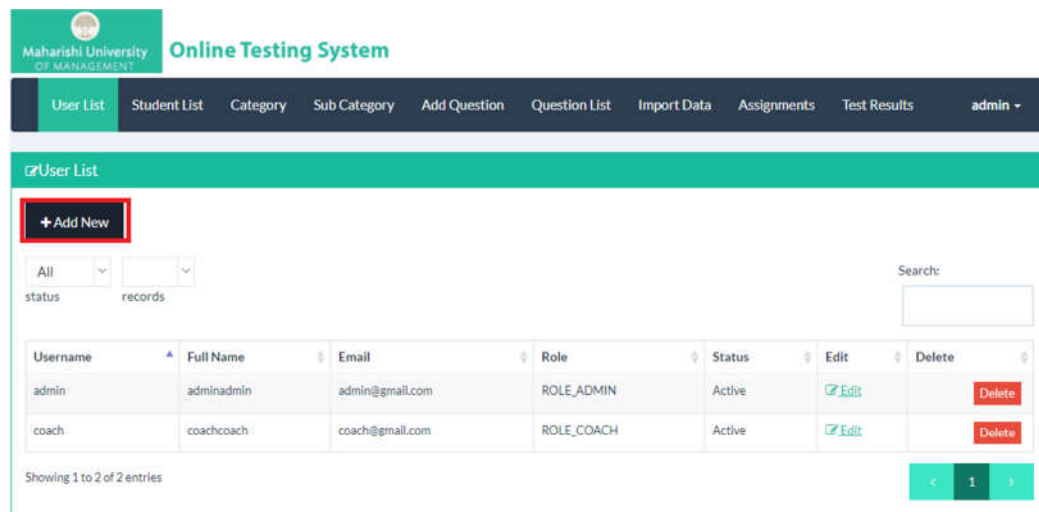
+ Add New

All status | records | Search:

Username	Full Name	Email	Role	Status	Edit	Delete
admin	adminadmin	deepakkc669@gmail.com	ROLE_ADMIN	Active	Edit	Delete
coach	Coach1TestL	test@gmail.com	ROLE_COACH	Active	Edit	Delete
dba	dbadba	dfa@dsf.com	ROLE_DBA	Active	Edit	Delete

2.3.2 Add One User

By clicking the Add New button, you are able to add a new user and assign him the role of Admin, Coach or DBA.



Online Testing System

User List | Student List | Category | Sub Category | Add Question | Question List | Import Data | Assignments | Test Results | admin

User List

+ Add New

All status | records | Search:

Username	Full Name	Email	Role	Status	Edit	Delete
admin	adminadmin	admin@gmail.com	ROLE_ADMIN	Active	Edit	Delete
coach	coachcoach	coach@gmail.com	ROLE_COACH	Active	Edit	Delete

Showing 1 to 2 of 2 entries

< 1 >

Add New User

Enter personal details below:

Julia

Chen

a@gmail.com

Enter your account details below:

julia

...

Role

ROLE_DBA

Status

Active

CANCEL SUBMIT

2.3 Manage Students

Students here means MUM students who are doing job seeking.

2.3.1 Check Existing Students

User List

Student List

Category

Sub Category

Add Question

Question List

Import Data

Assignments

Test Results

admin

Student List

+ Add New

+ Import Student

All

status

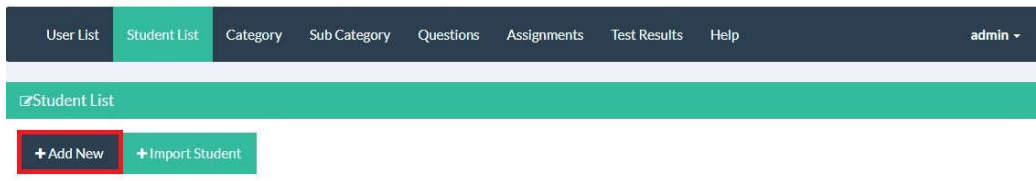
records

Search:

Student ID	Full Name	Email	Year	Job Search Status	Edit	Delete
985001	Stu01 Clark	test1@mum.edu	August 2016	Active	Edit	Delete
985002	Stu02 Stark	test2@mum.edu	August 2016	Inactive	Edit	Delete
985003	Stu03 Oven	test3@mum.edu	August 2016	Active	Edit	Delete
985004	Stu04 Olive	test4@mum.edu	August 2016	Active	Edit	Delete
985015	Stu05 Washinton	test5@mum.edu	October 2016	Active	Edit	Delete
985066	Stu06 Trouble	test6@mum.edu	January 2017	Active	Edit	Delete

2.3.2 Register New Student

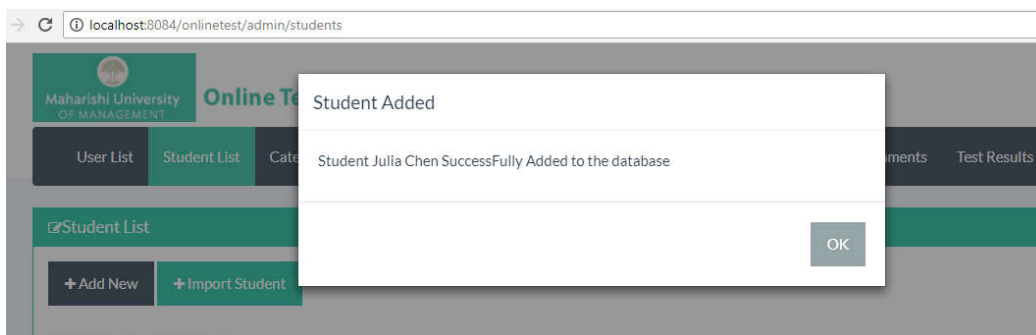
Click the **Add New** Button under **Student List** Menu



Input the student information

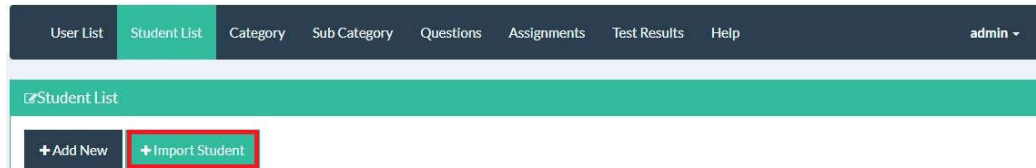
 A screenshot of the 'Register New Student' form. The form contains several input fields with the following values: Name (Julia), Surname (Chen), Email (jullachenjng@gmail.com), Phone Number (985300), Birth Date (August 2016), and Job search status (Active). At the bottom right, there are 'CANCEL' and 'SUBMIT' buttons.

Click **Submit** Button, system will save the added Student.



2.3.3 Import Students by Excel File

You could import a big amount of students by using **Import Student** Button.

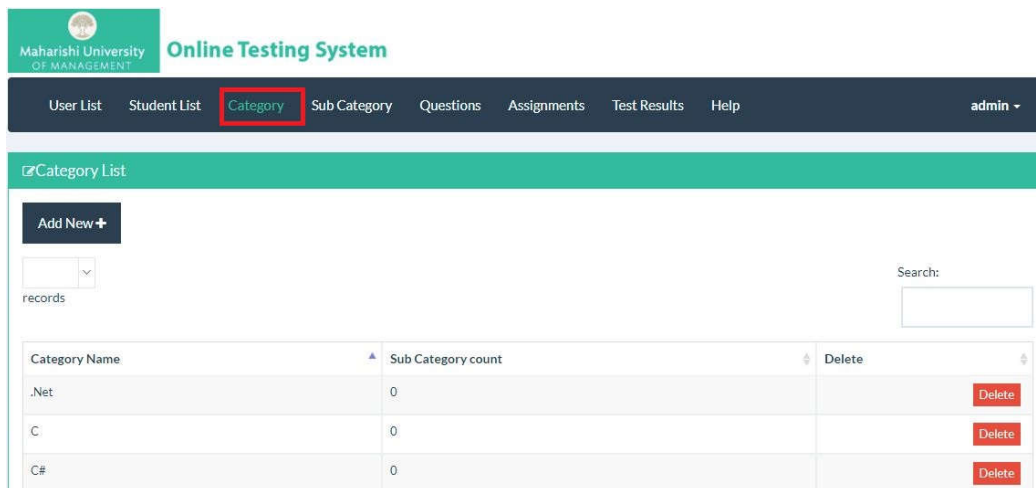


2.4 Manage Categories

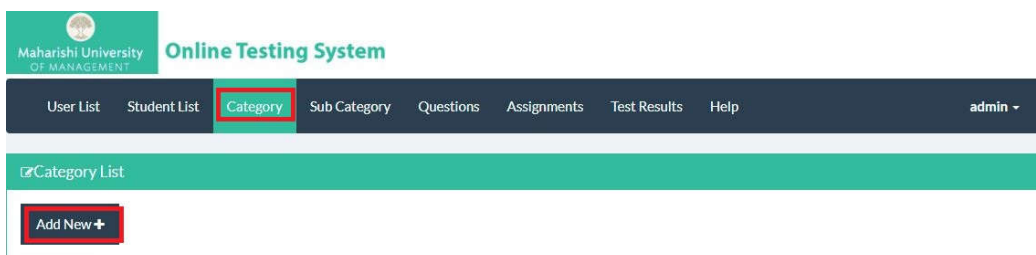
Every question belongs to a Category and a Sub Category.

2.3.1 Check Existing Categories

You could check the existing categories



2.3.2 Add Categories



Maharishi University OF MANAGEMENT Online Testing System

User List Student List **Category** Sub Category Questions Assignments Test Results Help admin ▾

Create new Category

Enter information below:

3 results are available, use up and down arrow keys to navigate.

d

- C
- C++
- C#

SUBMIT

2.3.3 Check Existing Sub Categories

Each Sub Category belongs to one Category.

User List Student List Category **Sub Category** Add Question Question List Import Data Assignments Test Results admin ▾

Sub Category List

Add New +

Search:

Sub Category	Category	Delete
Core	Java	Delete
JSP	Java	Delete
Servlet	Java	Delete
Spring	Java	Delete

Showing 1 to 4 of 4 entries

< 1 >

2.3.4 Add Sub Categories

Maharishi University OF MANAGEMENT Online Testing System

User List Student List Category **Sub Category** Questions Assignments Test Results Help admin ▾

Sub Category List

Add New +

Create new Subcategory

Enter information below:

Choose Category

Java

JDBC

SUBMIT

2.5 Manage Questions

2.5.1 Check the existing question

User List Student List Category Sub Category **Questions** Assignments Test Results Help admin

Question List

+ Add New + Import Questions

records

Search:

Question Id	Category	Sub Category	Question	Choices
1	Java	Core	Which of these is NOT a valid keyword or reserved word in Java	A. default B. null C. String D. volatile

2.5.2 Add a Question

[User List](#)
[Student List](#)
[Category](#)
[Sub Category](#)
[Questions](#)
[Assignments](#)
[Test Results](#)
[Help](#)

admin ▾

Question List

+ Add New

+ Import Questions

▾

records

Search:

Question Id	Category	Sub Category	Question	Choices
1	Java	Core	Which of these is NOT a valid keyword or reserved word in Java	A. default B. null C. String D. volatile

localhost:8084/online/test/dba/addquestion

Add Question

Enter Question and its choices below:

Select Category

Sub Categories

Type the Question

Correct Answer(select Only one)

A. Type the Choice ☐

B. Type the Choice ☐

C. Type the Choice ☐

2.3.3 Import Questions by Excel file

[User List](#)
[Student List](#)
[Category](#)
[Sub Category](#)
[Questions](#)
[Assignments](#)
[Test Results](#)
[Help](#)
admin

Question List

[+ Add New](#)
[+ Import Questions](#)

records

Search:

Question Id	Category	Sub Category	Question	Choices
1	Java	Core	Which of these is NOT a valid keyword or reserved word in Java	A. default B. null C. String D. volatile

Import Data

Excel file
No file chosen

2.6 Generate Assignment to Student

Admin could choose a student and generate an assignment (a quiz test) to a certain student. The test link could be set to a certain time to send.

localhost:8084/onetest/coach/studentAssignmentDetail/10

Online Testing System

Home Students Assignments Result List Questions Help coach ▾

Student Assignment Details

Student: 980000

Student Name: Julia Chen

Student Email: juliachenjing@gmail.com

Access Link:

Access Code:

Date & Time:

[Generate Test](#) [Send Email & Save](#) [Cancel](#)

2.7 Check Test Result

2.7.1 Check one Student's Test Result

localhost:8084/onetest/coach/home

Online Testing System

Home Students Assignments Result List Questions Help coach ▾

Student List

5 records

Search:

Student ID	Full Name	Email	Job Search Status	Generate Test	Test History
980000	Julia Chen	juliachenjing@gmail.com	Active	Generate Test	Test History
985001	Stu01 Clark	test1@mum.edu	Active	Generate Test	Test History
985003	Stu03 Oven	test3@mum.edu	Active	Generate Test	Test History
985004	Stu04 Olive	test4@mum.edu	Active	Generate Test	Test History
985015	Stu05 Washinton	test5@mum.edu	Active	Generate Test	Test History
985066	Stu06 Trouble	test6@mum.edu	Active	Generate Test	Test History

Showing 1 to 6 of 6 entries

< 1 >

2.7.2 Check All the Test Result

localhost:8084/onetest/coach/studentAssignmentHistory/10

Maharishi University OF MANAGEMENT Online Testing System

Home Students Assignments Result List Questions Help coach ▾

Category List

Student ID: 9800000
 Student Name: Julia Chen
 Entry: October 2017
 ▾ records Search:

Assignment ID	Coach Name	Access Code	Start Time	End Time	Finished
1	Coach1 TestL	YYCEKFC4p			false

Showing 1 to 1 of 1 entries

< 1 >

3. DBA Manual

3.1 Manage Questions

3.1.1 Check the existing question

Maharishi University OF MANAGEMENT Online Testing System

Questions Help dba ▾

Question List

+ Add New + Import Questions

▾ records Search:

Question Id	Category	Sub Category	Question	Choices
1	Java	Core	Choose appropriate datatype for value 4.5	A. int B. double C. float D. string

3.1.2 Add a question

localhost:8084/online/test/dba/addquestion

Add Question

Enter Question and its choices below:

Select Category

Sub Categories

Type the Question

Correct Answer(select Only one)

A. Type the Choice

B. Type the Choice

C. Type the Choice

3.1.3 Import questions by excel file

Maharishi University
OF MANAGEMENT

Online Testing System

Questions Help dba

Import Data

Excel file

Choose File No file chosen

Import

4. Coach Manual

Coach is responsible for generating the test for Students. Test could be generated in a certain time.

**Maharishi University
OF MANAGEMENT**

Online Testing System

[Home](#)
[Students](#)
[Assignments](#)
[Result List](#)
[Questions](#)
[Help](#)
coach ▾

Category List

Student ID: 980000
Student Name: Julia Chen
Entry: October 2017

Assignment ID	Coach Name	Access Code	Start Time	End Time	Finished
1	Coach1 TestL	YYCEkFCD4p	2017-10-19T14:26:18.571	2017-10-19T14:27:17.854	true

Showing 1 to 1 of 1 entries
< 1 >

4.1 Manage Students

Students here means MUM students who are doing job seeking.

[User List](#)
[Student List](#)
[Category](#)
[Sub Category](#)
[Add Question](#)
[Question List](#)
[Import Data](#)
[Assignments](#)
[Test Results](#)
admin ▾

Student List

Student ID	Full Name	Email	Year	Job Search Status	Edit	Delete
985001	Stu01 Clark	test1@mum.edu	August 2016	Active	Edit	Delete
985002	Stu02 Stark	test2@mum.edu	August 2016	Inactive	Edit	Delete
985003	Stu03 Oven	test3@mum.edu	August 2016	Active	Edit	Delete
985004	Stu04 Olive	test4@mum.edu	August 2016	Active	Edit	Delete
985015	Stu05 Washinton	test5@mum.edu	October 2016	Active	Edit	Delete
985066	Stu06 Trouble	test6@mum.edu	January 2017	Active	Edit	Delete

4.1.1 Check Existing Students

4.1.2 Register New Student

The screenshot displays the 'Online Testing System' interface for Maharishi University of Management. The top navigation bar includes links for User List, Student List, Category, Sub Category, Add Question, Question List, Import Question, Assignments, Test Results, and an admin dropdown. The main content area is titled 'Register New Student' and prompts the user to 'Enter student information below:'. The form contains the following fields:

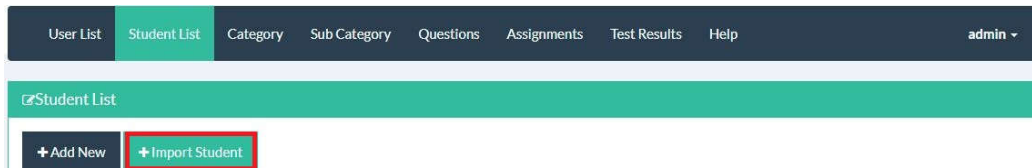
- First Name
- Last Name
- Email
- Student ID
- Entry year

Below the form, there are 'CANCEL' and 'SUBMIT' buttons. The browser address bar shows 'localhost:8084/onetest/admin/registerStudent'.

After submission, a confirmation message 'Student Added' is displayed, stating 'Student Julia Chen Successfully Added to the database'. The background shows the 'Student List' page with buttons for '+ Add New' and '+ Import Student'.

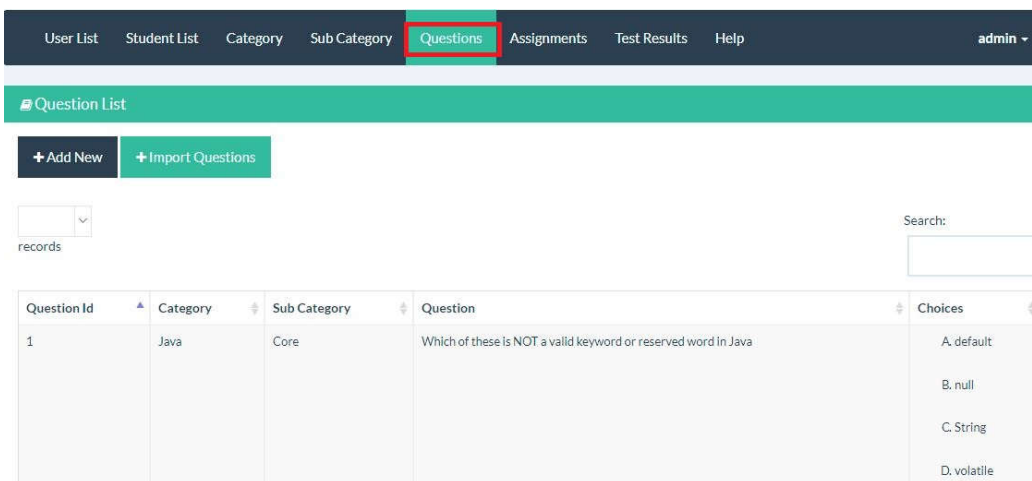
4.1.3 Import Students by Excel File

You could import a big amount of students by using **Import Student** Button.



4.2 Manage Questions

4.2.1 Check the existing question



4.2.2 Add a Question

[User List](#)
[Student List](#)
[Category](#)
[Sub Category](#)
[Questions](#)
[Assignments](#)
[Test Results](#)
[Help](#)

admin ▾

Question List

+ Add New

+ Import Questions

▾

records

Search:

Question Id	Category	Sub Category	Question	Choices
1	Java	Core	Which of these is NOT a valid keyword or reserved word in Java	A. default B. null C. String D. volatile

localhost:8084/online/test/dba/addquestion

Add Question

Enter Question and its choices below:

Select Category

▾

Sub Categories

▾

Type the Question

Correct Answer(select Only one)

A.

Type the Choice

☐

B.

Type the Choice

☐

C.

Type the Choice

☐

4.2.3 Import Questions by Excel file

The screenshot shows the 'Questions' section of the Online Testing System. The top navigation bar includes 'User List', 'Student List', 'Category', 'Sub Category', 'Questions' (active), 'Assignments', 'Test Results', and 'Help'. The 'admin' user is logged in. Below the navigation bar is a 'Question List' section with a '+ Add New' button and a '+ Import Questions' button (highlighted with a red box). Below this is a table with columns: Question Id, Category, Sub Category, Question, and Choices. The table contains one row with Question Id 1, Category Java, Sub Category Core, and a question about valid keywords in Java. Below the table is an 'Import Data' section with a file upload area labeled 'Excel file' and a 'Choose File' button. Below the file upload area is an 'Import' button.

4.3 Generate Assignment to Student

Coach could choose a student and generate an assignment(a quiz test) to a certain student. The test link could be set to a certain time to send.

The screenshot shows the 'Student List' section of the Online Testing System. The top navigation bar includes 'Home' (highlighted with a red box), 'Students', 'Assignments', 'Result List', 'Questions', and 'Help'. The 'coach' user is logged in. Below the navigation bar is a 'Student List' section with a dropdown menu showing '5 records' and a search bar. Below this is a table with columns: Student ID, Full Name, Email, Job Search Status, Generate Test, and Test History. The table contains one row with Student ID 980000, Full Name Julia Chen, Email juliachenjing@gmail.com, Job Search Status Active, and a 'Generate Test' button (highlighted with a red box). Below the table is a 'Generate Test' button.

[Home](#) [Students](#) [Assignments](#) [Result List](#) [Questions](#) [Help](#) [coach](#)

Student Assignment Details

Student: 980000

Student Name: Julia Chen

Student Email: juliachenjing@gmail.com

Access Link:

Access Code:

Date & Time:

Then the email will be sent to the certain student at the chosen time.

Maharishi University
OF MANAGEMENT

Online Testing System

[Home](#) [Students](#) [Assignments](#) [coach](#)

Student Assignment Details

Student: 980000

Student Name: Julia Chen

Student Email: juliachenjing@gmail.com

Access Link:

Access Code:

Date & Time:

Success!

Test is generated and data will be send to the student as scheduled!

Close

4.4 Check Test Result

4.3.1 Check one Student's Test Result

localhost:8084/onetest/coach/home

Maharishi University OF MANAGEMENT Online Testing System

Home Students Assignments Result List Questions Help coach

Student List

5 records

Search:

Student ID	Full Name	Email	Job Search Status	Generate Test	Test History
980000	Julia Chen	juliachenjing@gmail.com	Active	Generate Test	Test History
985001	Stu01 Clark	test1@mum.edu	Active	Generate Test	Test History
985003	Stu03 Oven	test3@mum.edu	Active	Generate Test	Test History
985004	Stu04 Olive	test4@mum.edu	Active	Generate Test	Test History
985015	Stu05 Washinton	test5@mum.edu	Active	Generate Test	Test History
985066	Stu06 Trouble	test6@mum.edu	Active	Generate Test	Test History

Showing 1 to 6 of 6 entries

< 1 >

4.3.2 Check All the Test Result

localhost:8084/onetest/coach/studentAssignmentHistory/10

Maharishi University OF MANAGEMENT Online Testing System

Home Students Assignments Result List Questions Help coach

Category List

Student ID: 980000
Student Name: Julia Chen
Entry: October 2017

Search:

Assignment ID	Coach Name	Access Code	Start Time	End Time	Finished
1	Coach1 TestL	YYCEkFCD4p			false

Showing 1 to 1 of 1 entries

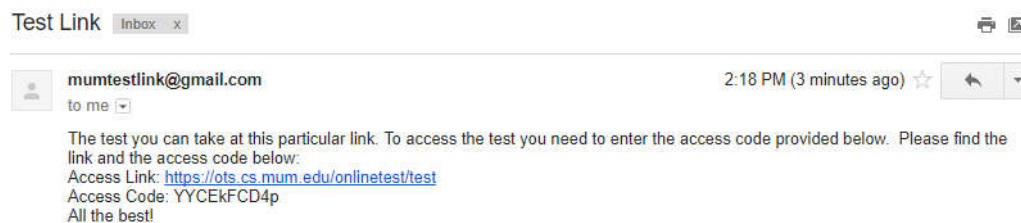
< 1 >

5. Student Manual

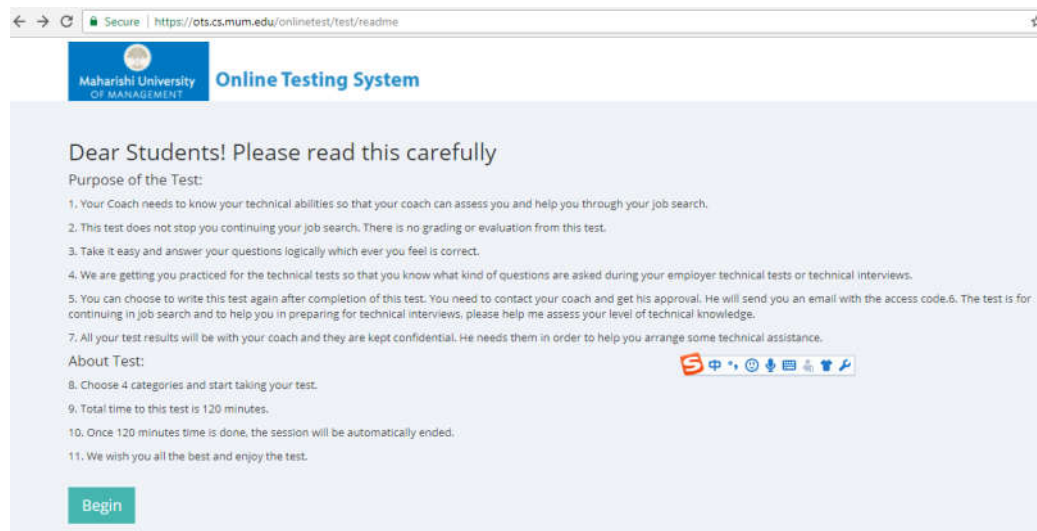
5.1 Take the Test

As a student who is doing job seeking, every now and then Coach will generate some online test to help you find the weak point of your knowledge tree. All you need is to follow the guide below:

After the coach generate the test, you will receive the link and Access Code in your email:




Click the link, and you will see the guidance:




Input the Access Code:

Enter Access Code:

Submit

 localhost:8084/onlinetest/test/showcategories



Maharishi University
OF MANAGEMENT

Online Testing System

Please select 3 to 4 sub categories

Java

☒ Core


☒ JSP

☐ Servlet

☒ Spring

Submit

localhost:8084/online/test/test

 **Online Testing System**

Student Name: Julia Chen Time Remaining :119 Minute 44 Seconds

Questions 1/3

Choose appropriate datatype for value 4.5

☐ int

☐ double

☐ float

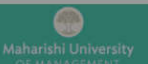
☐ string

☐

[Next](#)

Please double check before you submit your answers to grade:

localhost:8084/online/test/test

 **Online Testing System**

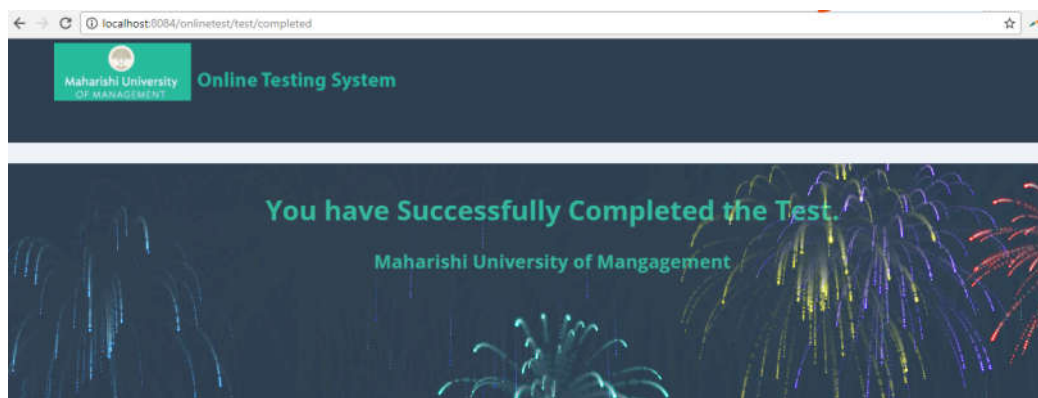
Student Name: Julia Chen Time Remaining :119 Minute 13 Seconds

Questions 3/3

Confirm Header

Do you want to submit for grading?

[Close](#) [Confirm](#)



6. Revision History

Version	Date	Author	Description	Approver
V1.0	10/19/2017	Julia	First Version	