

Online Test System

User Manual

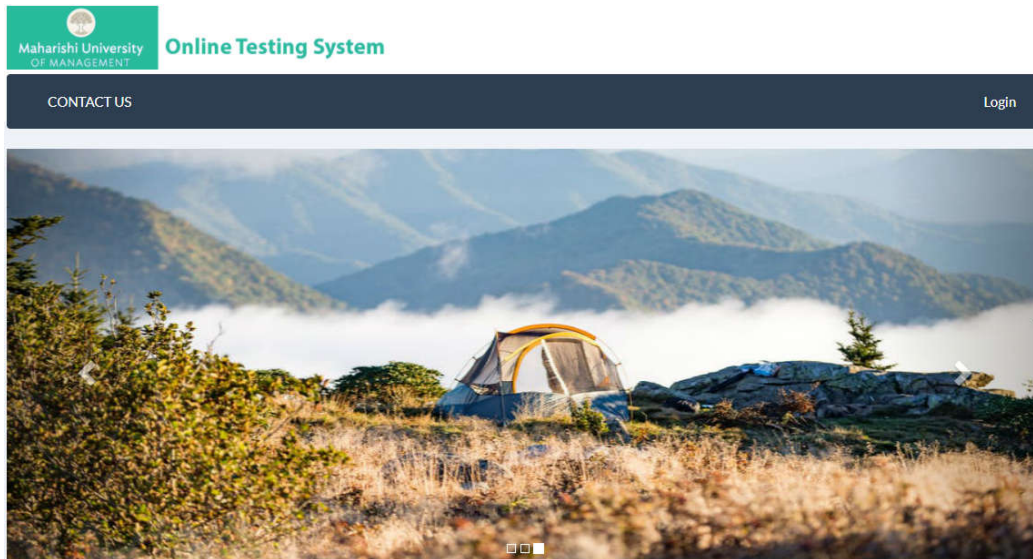
Group 5

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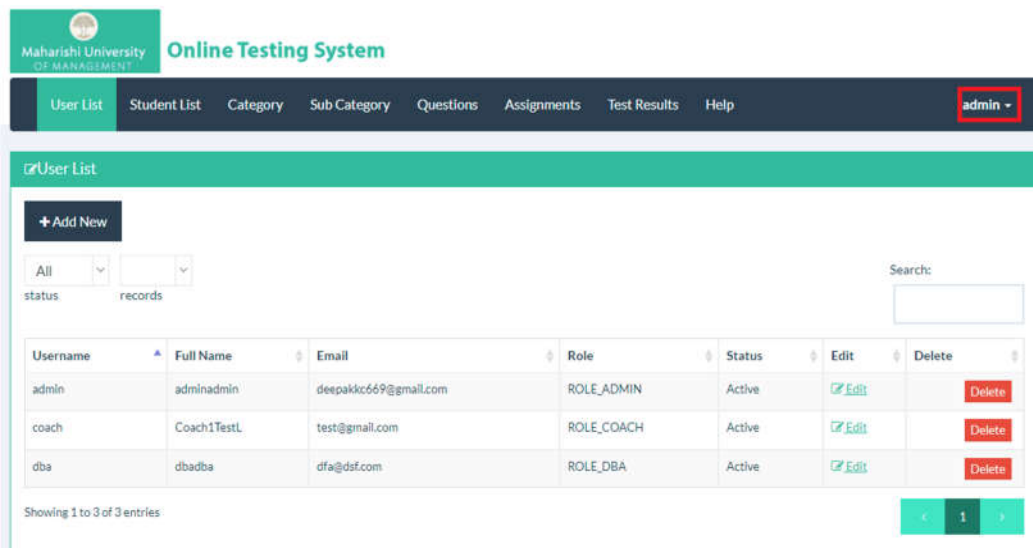
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1. Introduction



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 (for example, Java and JavaScript).

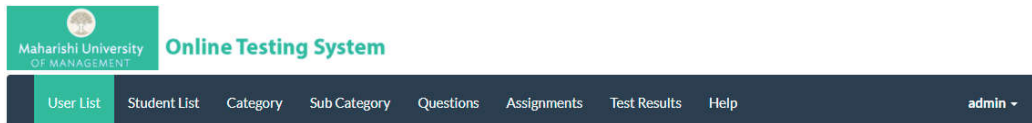
There are 4 types of roles in the system: **Admin, DBA, Coach and Student**. You could find who you are in the right corner of the window.



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.

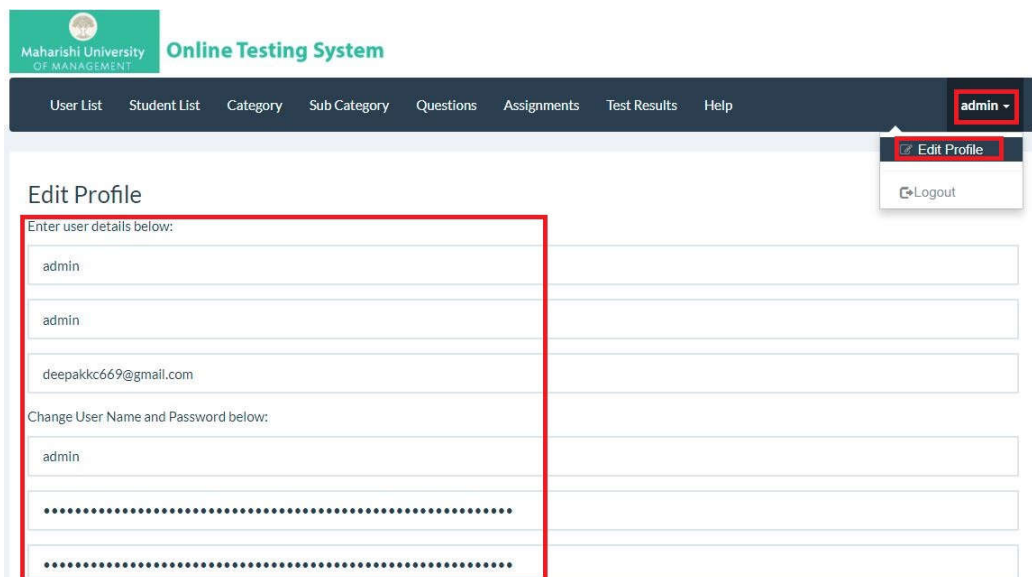
2. Admin Manual

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 changing your password.

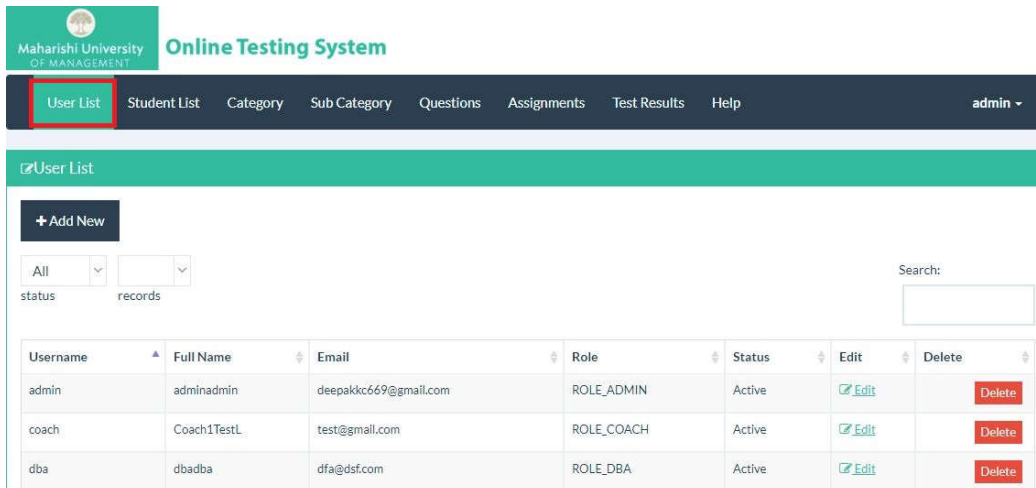


2.2 Manage Users

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

2.2.1 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

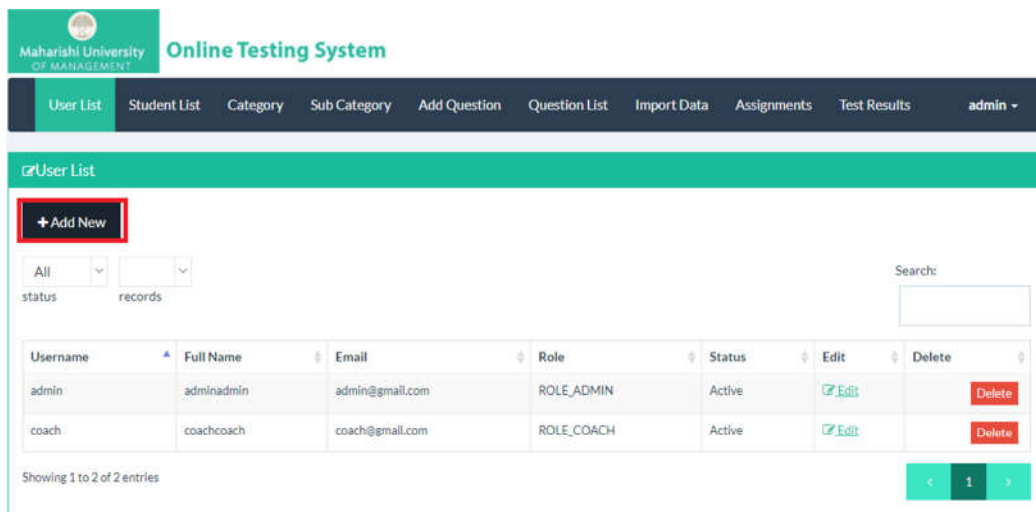
+ Add New

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

2.2.2 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 mean MUM students who are doing job seeking and taking tests on this system after **Coach** generates the test.

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									
<div> <div>+ Add New</div> <div>+ Import Student</div> </div> <div> <div>All</div> <div>status</div> <div></div> <div>records</div> </div> <div>Search:</div> <div></div>									
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			

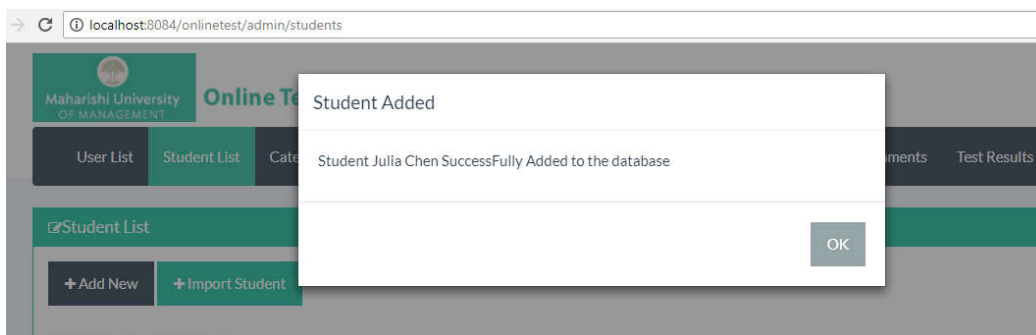
2.3.2 Register New Student

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



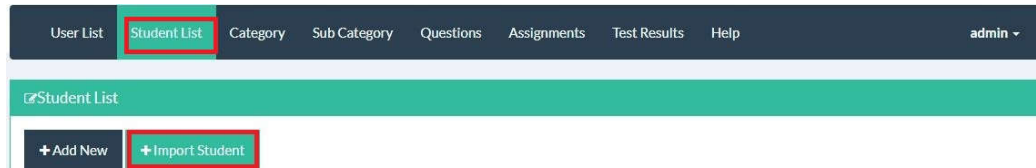
Input the student information

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

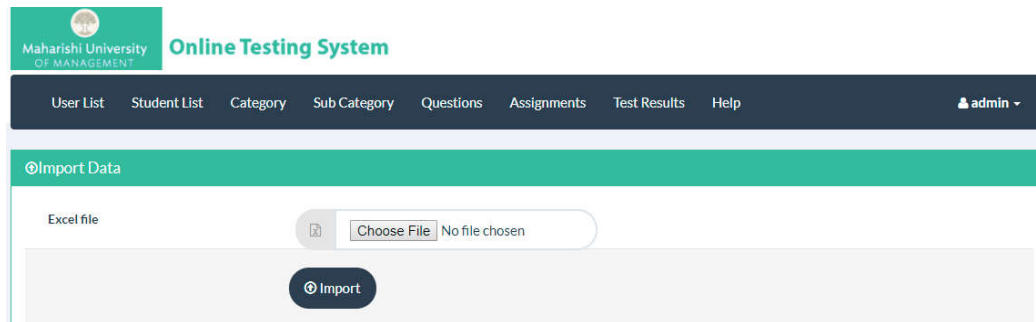


2.3.3 Import Students by Excel File

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



Click the **Choose File** button.



Get ready for the file with the format shown below:

Student List Data columns.xlsx						
	A	B	C	D	E	F
1	Student-ID	First Name	Last Name	Email	Entry Year	Job Search Status
2						
3	981234	Joseph	Anderson	janderson@gmail.com	2017	Active

2.4 Manage Categories

Every question belongs to a **Sub Category**, and each Sub Category belongs to a **Category**.

2.4.1 Check Existing Categories

You could check the existing categories

The screenshot shows the 'Online Testing System' interface. The top navigation bar includes 'User List', 'Student List', 'Category', 'Sub Category' (highlighted with a red box), 'Questions', 'Assignments', 'Test Results', and 'Help'. A user profile 'admin' is visible on the right. Below the navigation bar, the 'Sub Category List' section is displayed. It features an 'Add New +' button, a dropdown menu for 'records', and a search bar. A table lists sub-categories with columns for 'Sub Category', 'Category', and 'Delete'.

Sub Category	Category	Delete
C#	DOT Net	Delete
Core	Java	Delete
Hibernate	Java	Delete

2.4.2 Add Categories

The first screenshot shows the 'Online Testing System' interface with the 'Category' tab highlighted in the navigation bar. Below the navigation bar, the 'Category List' section is displayed, featuring an 'Add New +' button highlighted with a red box.

The second screenshot shows the 'Online Testing System' interface with the 'Category' tab highlighted. Below the navigation bar, the 'Create new Category' section is displayed. It includes the text 'Enter information below:' and a search bar. Below the search bar, a list of suggestions is shown: 'C', 'C++', and 'C#'. A 'SUBMIT' button is visible on the right.

2.4.3 Check Existing Sub Categories

Each Sub Category belongs to one Category.

Sub Category List

Add New +

records

Search:

Sub Category	Category	Delete
C#	DOT NET	Delete
Core	Java	Delete
JAVA	Java	Delete
JSP	Java	Delete
PHP	PHP	Delete
Servlet	Java	Delete
Spring	Java	Delete

2.4.4 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 Existing Questions

Navigation: 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

Navigation: 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. ☐

B. ☐

C. ☐

2.5.3 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

Maharishi University OF MANAGEMENT Online Testing System

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

Import Data

Excel file SelfAssess...ormat.xlsx

Please follow the format below:

The top part of the image shows a spreadsheet titled 'SelfAssessmentQuestionsFormat.xlsx'. It contains a table with columns B, C, and D. Row 1 has headers 'Choice 1', 'Choice 2', and 'Choice 3'. Row 2 contains text: 'There are 7 primitive data types in java.', 'Primitive data types can be objects.', and 'A boolean is 8 bits in size and stores true or false. It's default value is true.' Below this is another table with columns 'Choice 4', 'Choice 5', 'Answer Column', 'Category', and 'Sub-Category'. Row 1 of this table contains: 'The order of public and static before the main method does not matter but void should always come before mainO', 'main method()'s return type is integer', 'D', 'Java', and 'Java'.

The bottom part of the image shows the 'Online Testing System' interface. A modal window says 'Welcome to the Log for Questions Insertion' and '190 rows added out of 190'. Below the modal, a green banner says 'Success! Successfully imported Data!'. At the bottom, there is an 'Excel file' section with a 'Choose File' button and an 'Import' button.

Please follow the format below to get ready for the document you want to upload.

2.6 Check Assignments

The screenshot shows the 'Online Testing System' interface with the 'Assignments' tab selected. The 'Assignment List' section displays a table with columns: No, Coach, StudentID, Full Name, Entry, Email, Date Assigned, Date Finished, Try, Status, and Report. The table is currently empty. Above the table, there are filters for 'ALL' status and a search bar. The date and time are shown as '20-10-2017 21:24:44 PM CDT'. An 'Export' button is also visible.

2.7 Check Test Results

Student Test Score

Export

Search:

No	Coach	StudentID	Full Name	Entry	Email	Date Finished	Score
----	-------	-----------	-----------	-------	-------	---------------	-------

3. DBA Manual

3.1 Edit Profile

As a DBA you are able to edit your own profile including change your password.

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OF MANAGEMENT

Online Testing System

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

admin

Edit Profile

Logout

Edit Profile

Enter user details below:

admin

admin

deepakkc669@gmail.com

Change User Name and Password below:

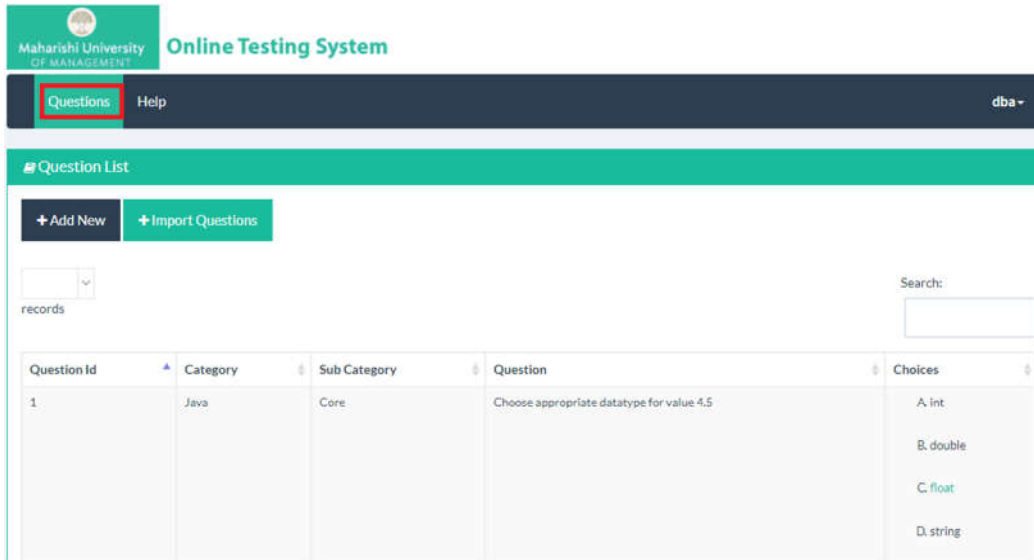
admin

.....

.....

3.2 Manage Questions

3.2.1 Check the existing question



The screenshot shows the 'Online Testing System' interface. The 'Questions' tab is selected and highlighted with a red box. Below the header, there are buttons for '+ Add New' and '+ Import Questions'. A search bar is present on the right. The 'Question List' section displays a table with the following data:

Question Id	Category	Sub Category	Question	Choices
1	Java	Core	Choose appropriate datatype for value 4.5	<ul style="list-style-type: none">A. intB. doubleC. floatD. string

3.2.2 Add a New Question



The screenshot shows the 'Online Testing System' interface. The 'Questions' tab is selected and highlighted with a red box. Below the header, there are buttons for '+ Add New' and '+ Import Questions'. The 'Add New' button is also highlighted with a red box. The 'Question List' section is visible but empty.

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

3.2.3 Import Questions by Excel File

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Questions Help dba

Question List

+ Add New + Import Questions

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. Coach could also manage Student List,

Question List and check test results.

4.1 Edit Profile

As a Coach you are able to edit your own profile including change your password.

Online Testing System

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

Edit Profile

Enter user details below:

admin

admin

deepakkc669@gmail.com

Change User Name and Password below:

admin

.....

.....

Edit Profile

Logout

4.2 Manage Students

Students here mean MUM students who are doing job seeking.

Home Students Assignments Result List Questions Help **coach**

Student List

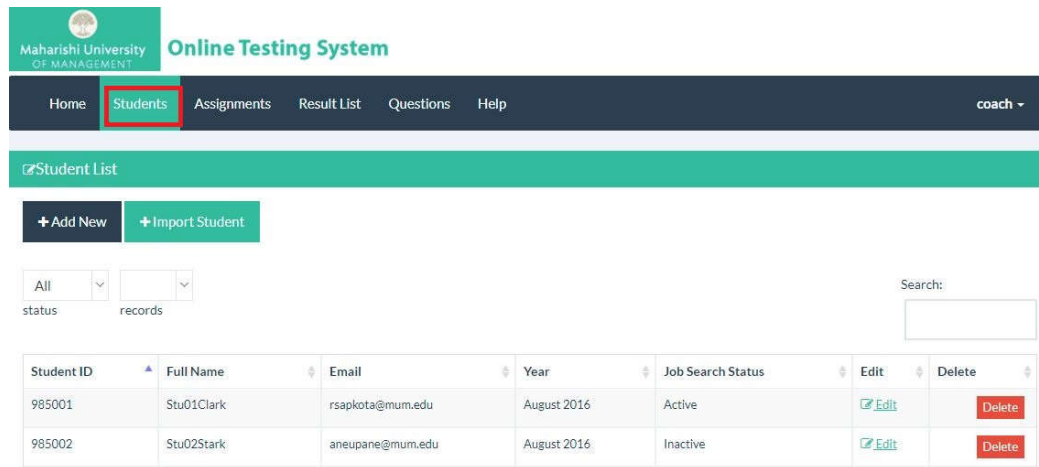
+ Add New + Import Student

All status records

Search:

Student ID	Full Name	Email	Year	Job Search Status	Edit	Delete
985001	Stu01Clark	rsapkota@mum.edu	August 2016	Active	Edit	Delete
985002	Stu02Stark	aneupane@mum.edu	August 2016	Inactive	Edit	Delete

4.2.1 Check Existing Students



Online Testing System

Home **Students** Assignments Result List Questions Help coach ▾

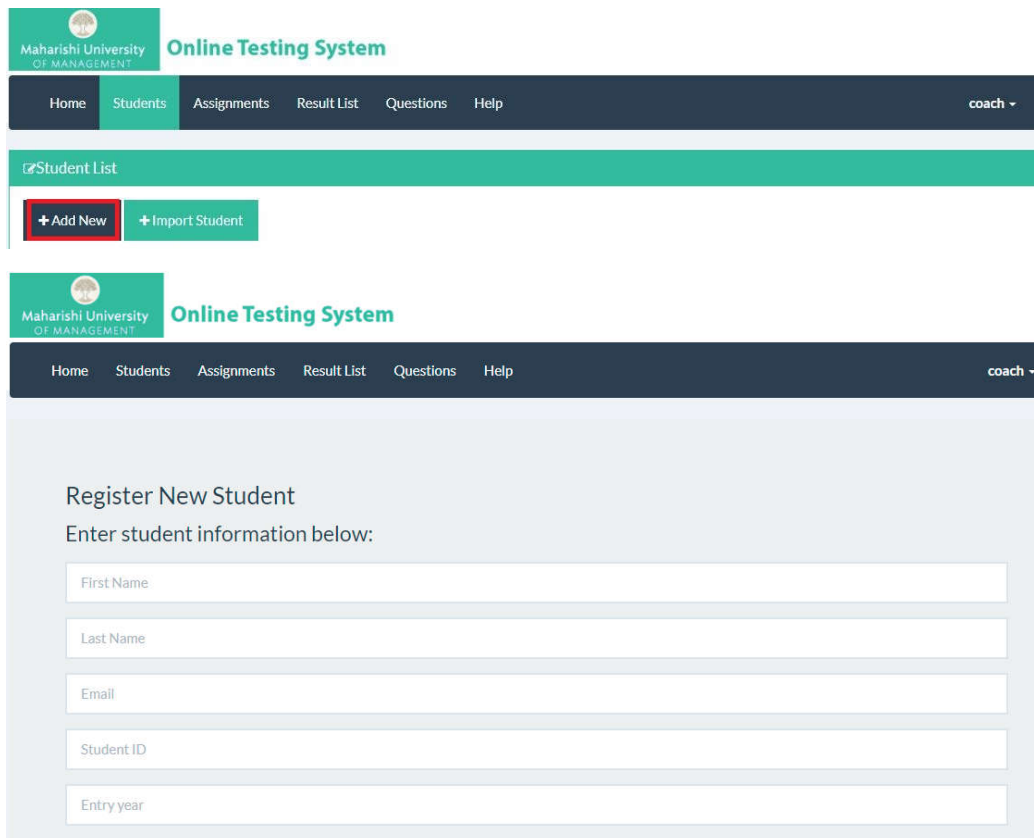
Student List

+ Add New + Import Student

All status records Search:

Student ID	Full Name	Email	Year	Job Search Status	Edit	Delete
985001	Stu01Clark	rsapkota@mum.edu	August 2016	Active	Edit	Delete
985002	Stu02Stark	aneupane@mum.edu	August 2016	Inactive	Edit	Delete

4.2.2 Register a New Student



Online Testing System

Home **Students** Assignments Result List Questions Help coach ▾

Student List

+ Add New + Import Student

Online Testing System

Home Students Assignments Result List Questions Help coach ▾

Register New Student

Enter student information below:

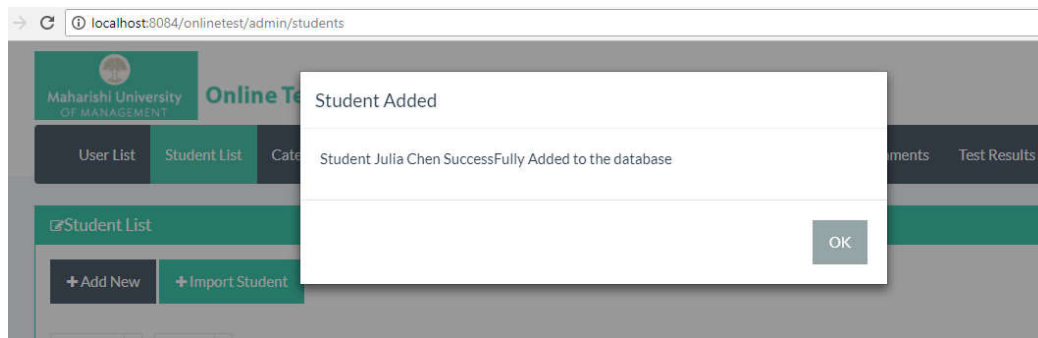
First Name

Last Name

Email

Student ID

Entry year



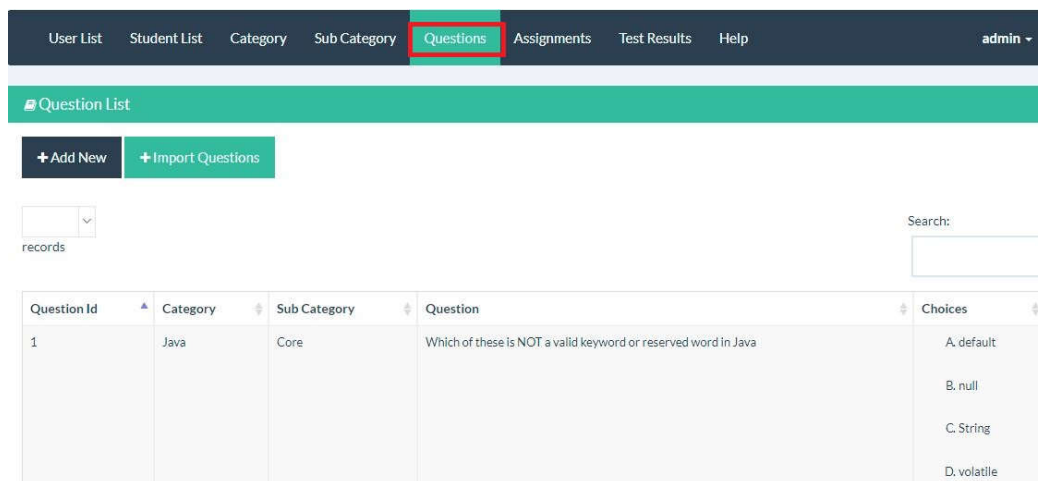
4.1.3 Import Students by Excel File

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



4.3 Manage Questions

4.3.1 Check the existing question



4.3.2 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.
☐

B.
☐

C.
☐

4.3.3 Import Questions by Excel file


Online Testing System

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coach -

Question List

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

Online Testing System

Home Students Assignments Result List Questions Help coach

Import Data

Excel file

Choose File No file chosen

Import

Please follow the format below:

	B	C	D
1	Choice 1	Choice 2	Choice 3
2	There are 7 primitive data types in java.	Primitive data types can be objects.	A boolean is 8 bits in size and stores true or false. It's default value is true.
	Choice 4	Choice 5	Answer Column
	The order of public and static before the main method does not matter but void should always come before mainO	main method()'s return type is integer	D
			Category
			Java
			Sub-Category
			Java

4.4 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.

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

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 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:

Success!

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

Close

4.5 Check Out Assignments

Home Students **Assignments** Result List Questions Help coach ▾

Assignment List Date Time : 21-10-2017 11:05:59 AM CDT Export

ALL status records Search:

<input type="checkbox"/>	No	Coach	StudentID	Full Name	Entry	Email	Date Assigned	Date Finished	Try	Status	Report
<input type="checkbox"/>	1	coach	985001	Julia Chen	August 2016	juliachenjing@gmail.com			0	A	
<input type="checkbox"/>	2	coach	985003	Bimal Parajuli	August 2016	bimalparajulise@mum.edu			0	A	

4.5.1 Check out If a Student Take the test

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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
985001	Julia Chen	jullachenjing@gmail.com	Active	Generate Test	Test History
985003	Bimal Parajuli	bimalparajulise@mum.edu	Active	Generate Test	Test History
985004	Stu04 Stu04	test4@mum.edu	Active	Generate Test	Test History
985015	Stu05 Stu05	test5@mum.edu	Active	Generate Test	Test History
985066	Stu06 Stu06	test6@mum.edu	Active	Generate Test	Test History

Showing 1 to 5 of 5 entries

< 1 >

Home Students Assignments Result List Questions Help coach

Category List

Student ID: 985002
Student Name: Julia Chen
Entry: August 2016

records


Search:

Assignment ID	Coach Name	Access Code	Start Time	End Time	Finished
2	coach coach	nOoOVznVWD	2017-10-22T15:46:22	2017-10-22T15:49:26	true

Showing 1 to 1 of 1 entries

< 1 >

4.5.2 Check out All the Students who are generated the Test


Online Testing System

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[Result List](#)
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[coach](#)

Assignment List
Date Time : 10/22/2017 03:57:57 PM CDT

ALL
records
Export
Search:

No	Coach	StudentID	Full Name	Entry	Email	Date Assigned	Date Finished	Try	Status	Report
1	coach coach	985003	Bimal Parajuli	August 2016	bimalparajulise@gmail.edu			1	A	
2	coach coach	985002	Julia Chen	August 2016	juliachenjing@gmail.com	10/22/2017 03:46:00 PM CDT	10/22/2017 03:49:00 PM CDT	1	F	result detail Feedback
3	coach coach	985004	Alex Xie	August 2016	99475082@qq.com	10/22/2017 03:50:00 PM CDT	10/22/2017 03:51:00 PM CDT	1	F	result detail Feedback

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[Help](#)
[coach](#)

Student Test Score
Date Time : 10/22/2017 04:01:10 PM CDT

Student Profile
Export

Student Information

Score Detail

Overall Score

Student ID	985002	Category	SubCategory	Result	13 Out of 60
Full Name	Julia Chen	PHP	PHP	4 / 20 20%	
Entry	August 2016	Java	JAVA	4 / 20 20%	
Phone No	641-451-3529	DOT Net	C#	5 / 20 25%	
Email Address	juliachenjing@gmail.com				
Exam Date	10/22/2017 03:46:00 PM CDT				
Invited By	coachcoach				
Time Alloted	2:00 Hour				

Student Result Detail

Date Time : 22-10-2017 15:51:51 PM CDT

Export

Student ID : 985002
 Student Name : Julia Chen
 Entry : August 2016
 Score : 13/60
 Percent:13.0%

▼

records

Search:

No	Question
11	<div>✗ JS and PHP works together</div> <div>A. Single-Dimensional Arrays</div> <div>B. Multidimensional Arrays</div> <div>C. Implicitly Typed Arrays</div> <div>D. Broadcast Arrays</div>

4.6 Check Test Results

Maharishi University

OF MANAGEMENT

Online Testing System

Home

Students

Assignments

Result List

Questions

Help

coach

Student Test Score

Date Time : 22-10-2017 15:58:48 PM CDT

Export

▼

records

Search:

No	Coach	StudentID	Full Name	Entry	Email	Date Finished	Score
1	coach	985002	Julia Chen	August 2016	jullachenjing@gmail.com	10/22/2017 03:49:00 PM CDT	21
2	coach	985004	Alex Xie	August 2016	99475082@qq.com	10/22/2017 03:51:00 PM CDT	18

Showing 1 to 2 of 2 entries

<

1

>

5. Student Manual

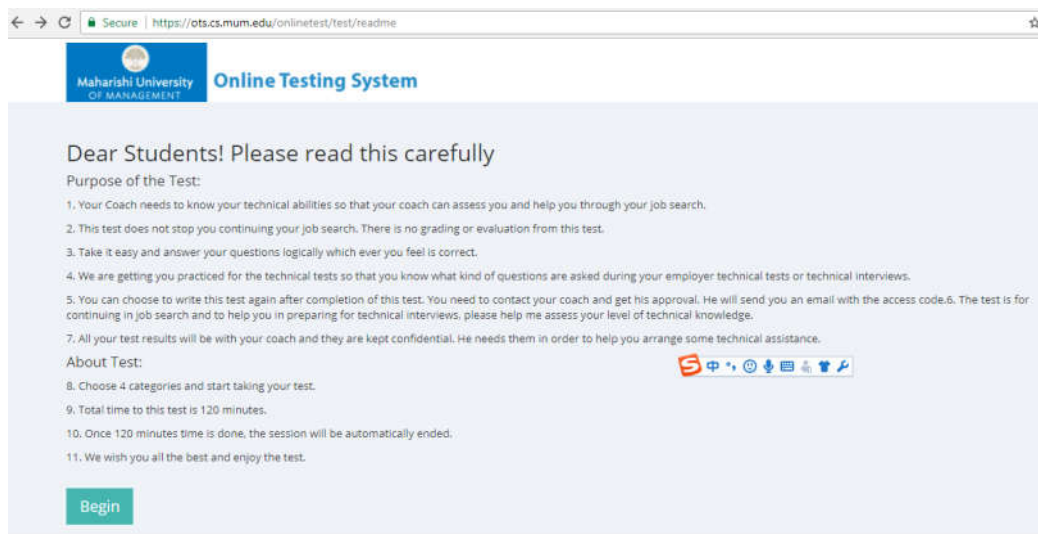
5.1 Take the Test

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 generates 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 shown in mail:

Access Code

Enter Access Code:

localhost:8084/onetest/test/showcategories



Online Testing System

Please select 3 to 4 sub categories

Java

- ☒ Core
- ☒ JSP
- ☐ Servlet
- ☒ Spring

Student Name: Julia Chen

Time Remaining :118 Minute 37 Seconds

Questions 44/60

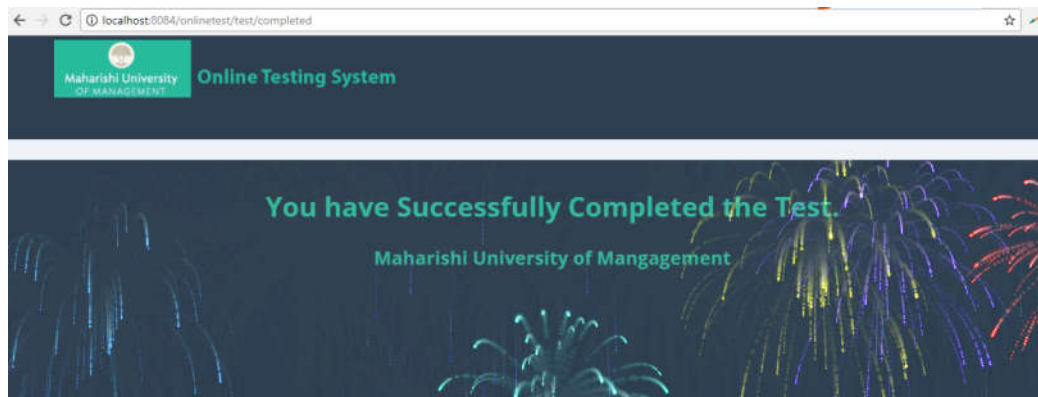
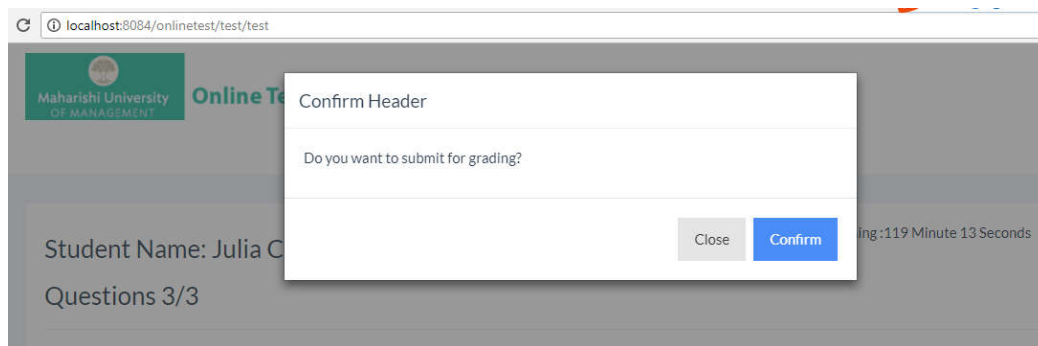
Unit test case types in C# include

- ☐ Additive Test cases, Reductive Test cases, Exception Test cases
- ☐ Additive Test cases, Reductive Test cases, Non Change Test cases
- ☐ Positive Test cases, Negative Test cases, Exception Test cases
- ☐ Model Test cases, View Test cases, Controller Test cases

Previous

Next

Please double check before you submit your answers to grade:



6. Revision History

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

