

**Online management of Learning System 6.5**  
**Teacher's Guide**

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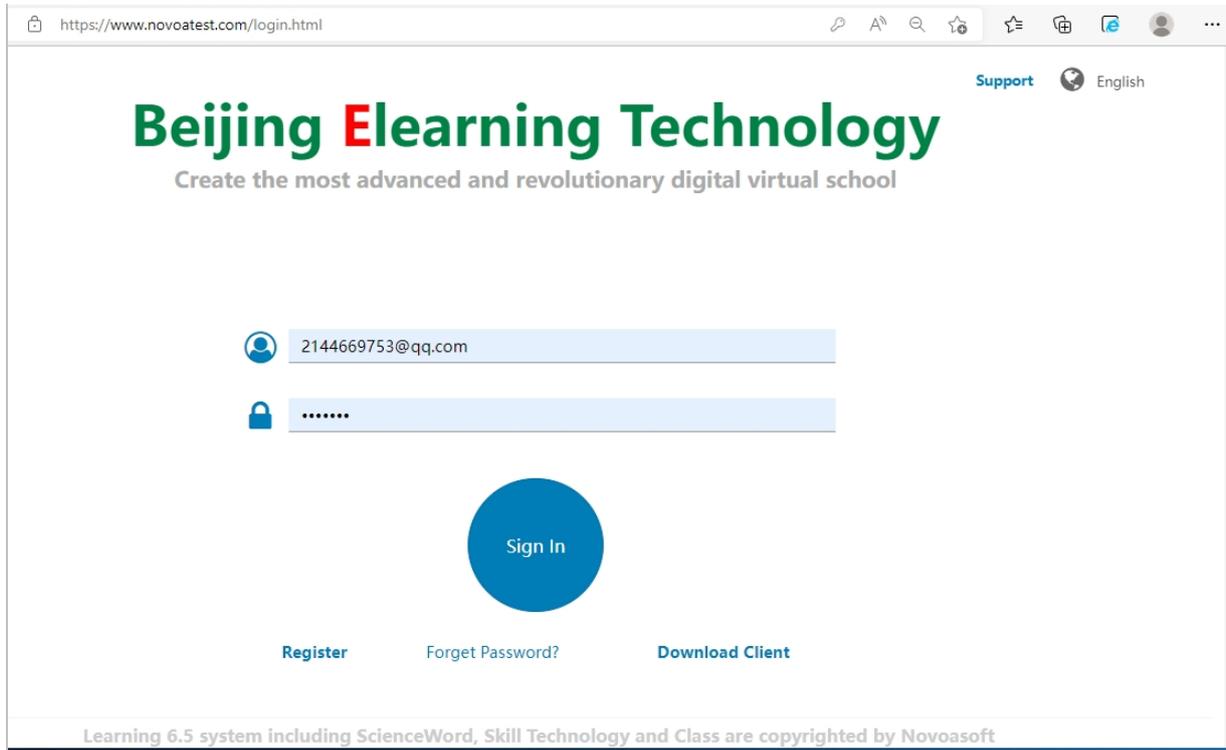
# I. User Management

## 1. Registration

Open the browser on a computer and enter the following address:

[www.novoatest.com](http://www.novoatest.com)

The following screen will appear.



### a. You must register to create a virtual school

Click on "Register". The following window will open

The screenshot shows a web browser window with the URL <https://www.novoatest.com/register.html>. The page is titled "User registration" and has two tabs: "Administrative Staff registration" and "Student registration", with the latter being selected. The registration form includes the following fields and instructions:

- Alias:** "Enter your Alias" (input field) with the instruction "Combination of letters, digits and characters".
- Password:** "Password" (input field) with the instruction "Combination of 6 to 20 digits and letters!".
- Confirm Password:** "Confirm Password" (input field) with the instruction "Enter your Password again".
- E-mail:** "2144669753@qq.com" (input field) with the instruction "Password can be retrieved via email".
- Verification Code:** "Verification Code" (input field) with a green "Get a code" button next to it.

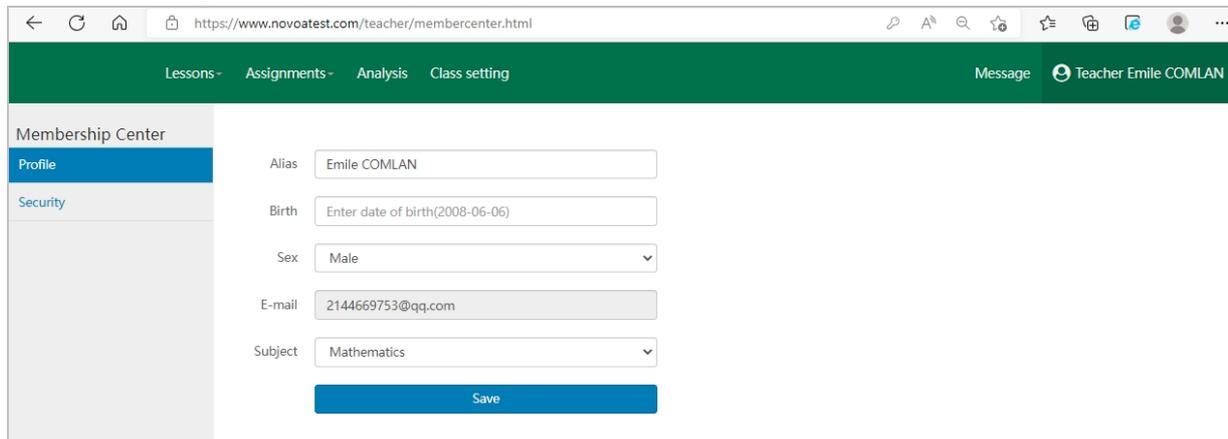
At the bottom of the form is a large blue "Register" button. Below the button, it says "Existing account number Sign in now".

## b. Special Notes:

Your account name is the email address used during registration; your password is the one used for registration.

## 2. Personal Center

After successful registration, users log in to the platform and enter their personal space, as shown in the figure.



The screenshot shows a web browser window with the URL <https://www.novoatest.com/teacher/membercenter.html>. The page has a green header with navigation links: Lessons, Assignments, Analysis, and Class setting. On the right of the header, there is a 'Message' button and the user's name 'Teacher Emile COMLAN'. A left sidebar contains 'Membership Center' with sub-links for 'Profile' (highlighted) and 'Security'. The main content area displays a profile form with the following fields: 'Alias' (Emile COMLAN), 'Birth' (Enter date of birth(2008-06-06)), 'Sex' (Male), 'E-mail' (2144669753@qq.com), and 'Subject' (Mathematics). A blue 'Save' button is located at the bottom of the form.

**Description:** Personal space allows you to change your real name, date of birth, password, subject, and other attributes.

## 3. Password management

Write down your account name and password on your phone or in a place where you can easily find them in case you forget.

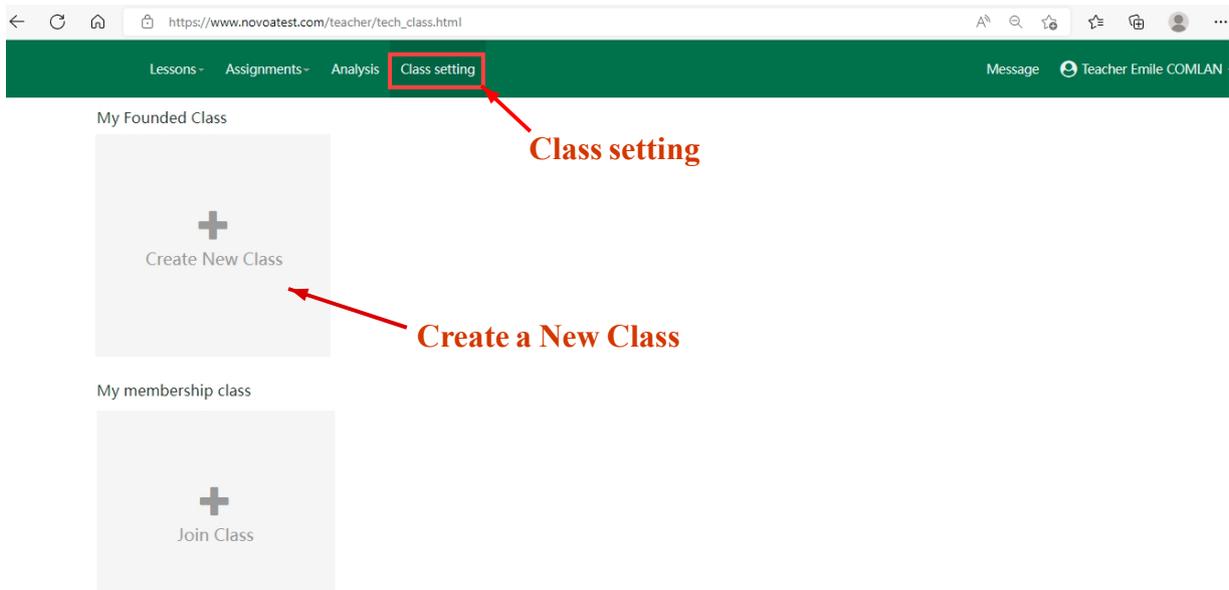
## II. Classroom Setting

### 1. Creation of classes by a teacher

Creating a class is very useful; assigning homework, correcting assignments, etc. requires creating the class first; *only a user who has the status of teacher can create a class.*

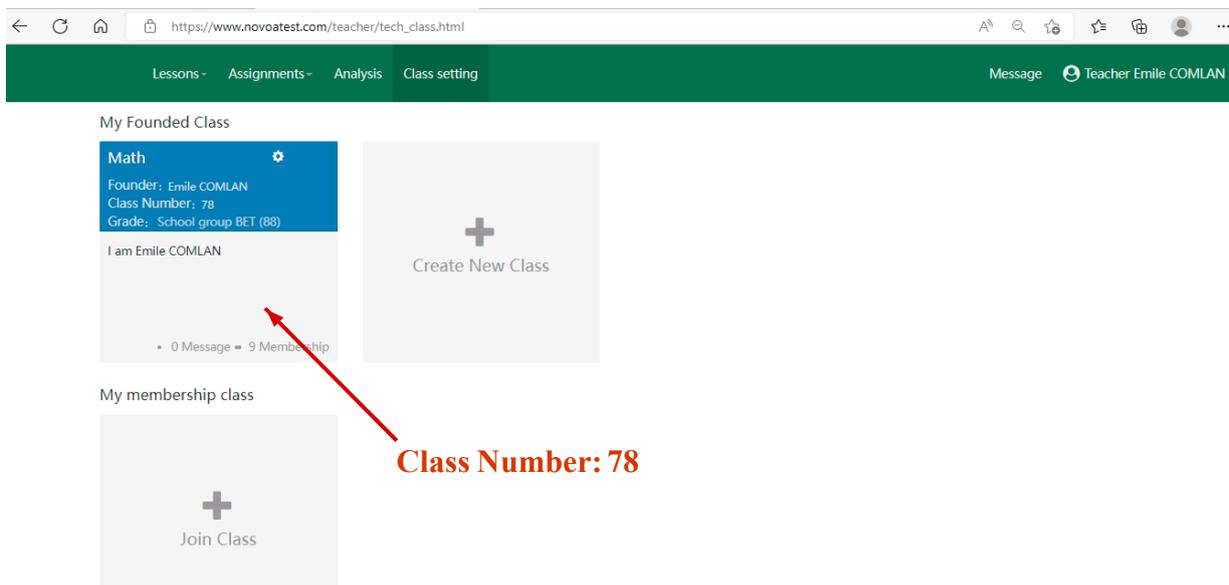
Class creation process is as follows.

(1) Log in, then click on "Class Setting" at the top, and the following interface appears.

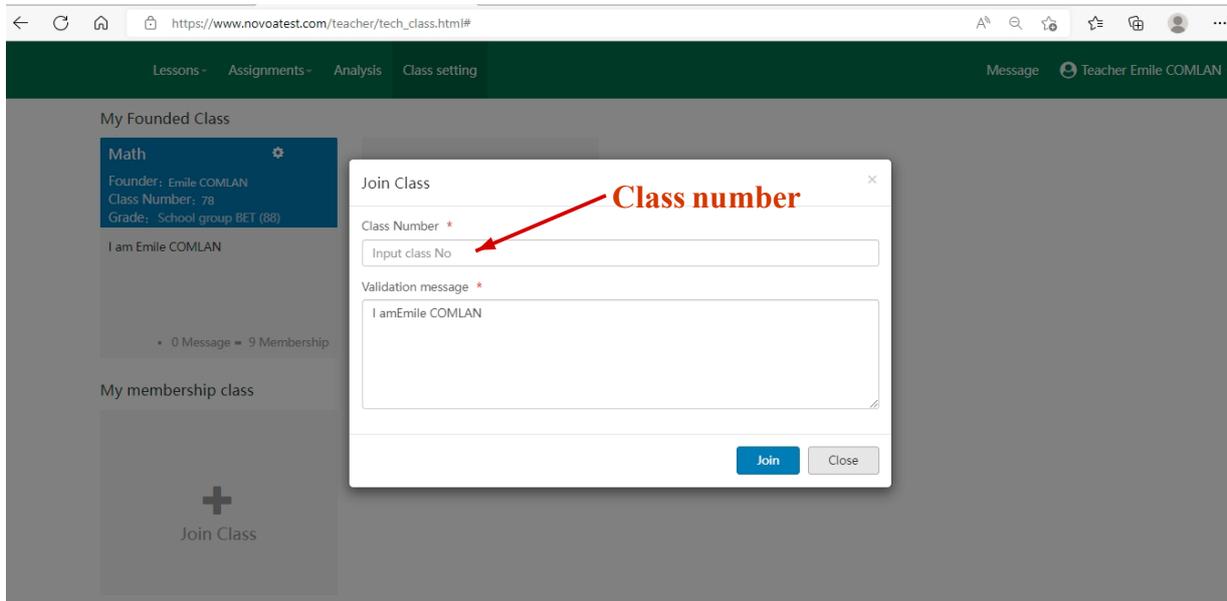


(2) In "My founded class" section, click "+Create New Clas" area.

- Once the new class is created, a "Class Number" is automatically generated ( shown below ).
- The number of the new class created must be communicated to the students ( or anyone ) who want to join the class.



(3) To become a member of a class, click from the << My Membership class >> section on the "+ Join a new class" area; then get the class number from the teacher who created it and enter it in the field as shown below.



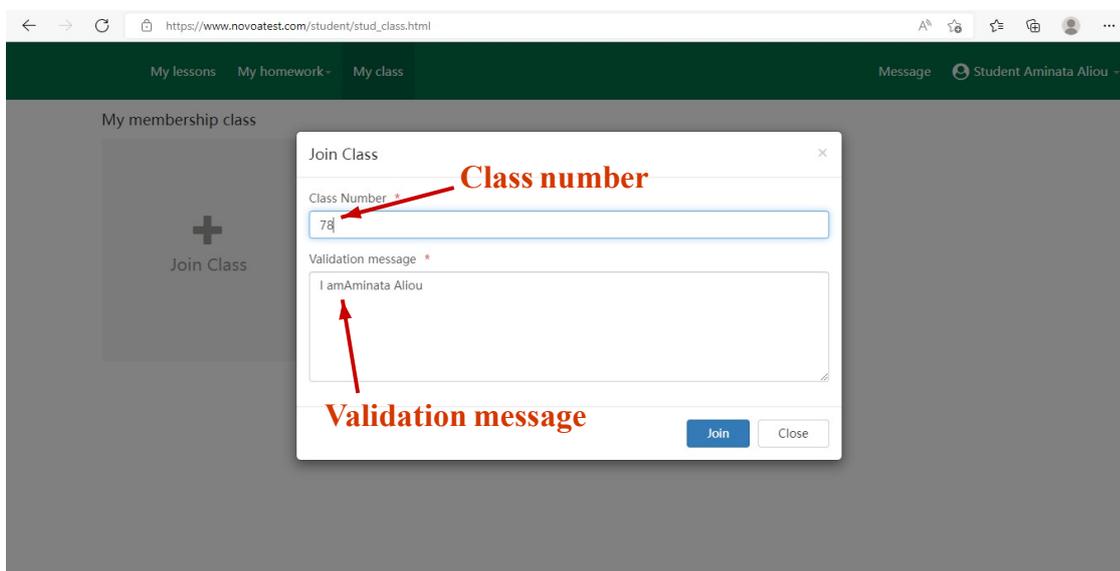
## 2. Complete process for a student enrolling in a class

*This must be done from the student's web page.*

When a student requests to join a class that has been created by a teacher, the student must wait for the teacher's approval. As soon as the student receives approval, he or she becomes a member of the class.

### Process of joining a class:

- (1) The student has log on to his web page
- (2) Click "My Class".
- (3) In "My membership class" section, click "+Join Class" area; then you get the dialog box below.



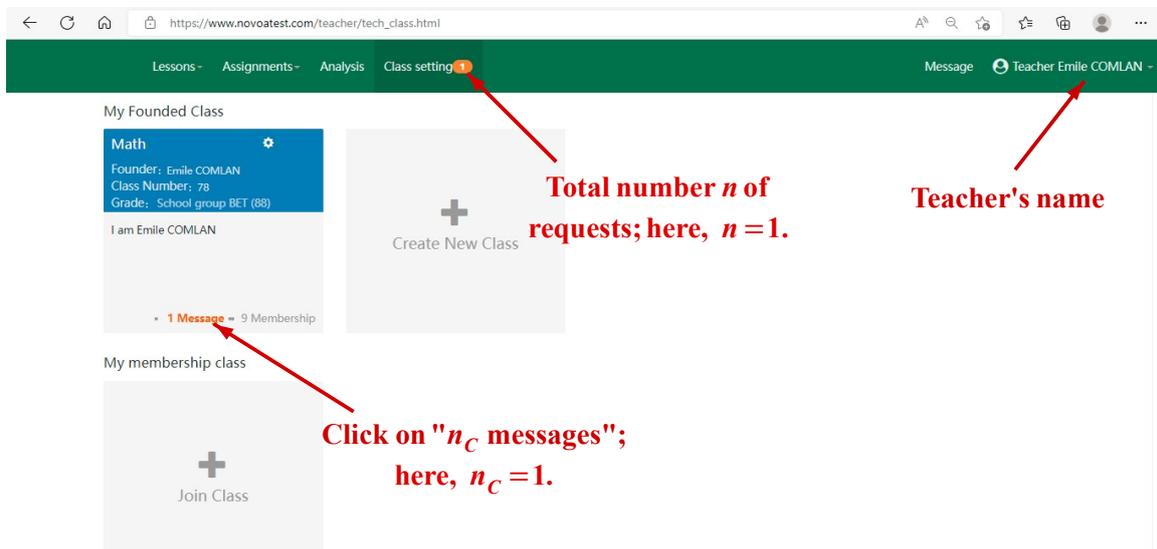
- (4) Enter the class number in the "Class number" as shown above and note that there is a default validation message using the student's name; you can change this message.
- (5) Finally, click the "Join" button to send a "join class" request and wait for the teacher's approval.

### 3. Teacher approval process for enrollment in a class

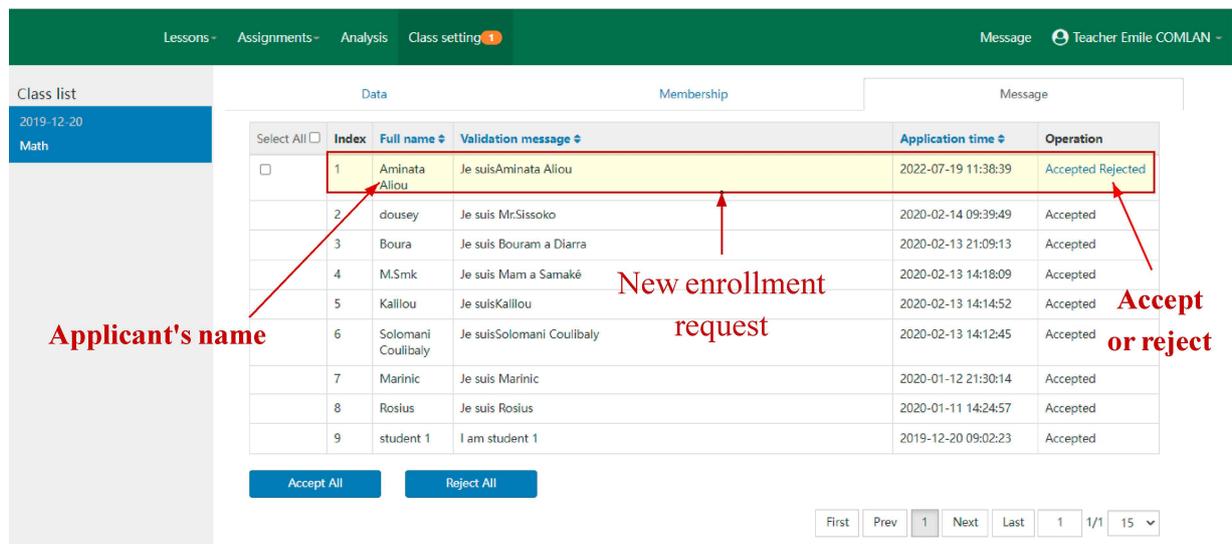
Once the teacher approves a student's request to join the class, the student becomes a member of the class.

#### Application Approval Process

- (1) The teacher who created the class logs in and click "Class Setting".
- (2) At the bottom of any  $C$  class for which  $n_C$  requests are made, there is the display " $n_C$  messages". The total number of requests  $n$  is also shown in bright color on the "Class setting" tab as shown in the figure below.



- (3) Click " $n_C$  Message" as indicated above and the screen shown below appears.



4) Click "Accept" to approve the applicant to join the class and become a member of the class.

\* A class with members is shown below.

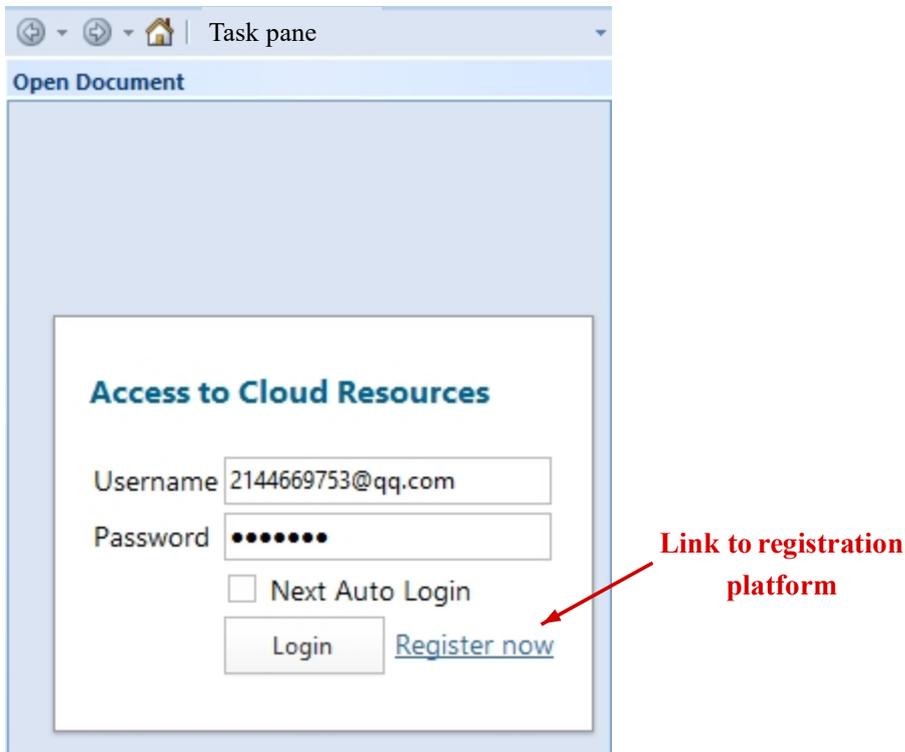
Index	Full name	Identity	Email	Join time	Status	Operation
1	Emile COMLAN	Teacher	2144669753@qq.com	2019-12-20 08:56:58	Normal	-
2	student 1	Student	ecomlan@yahoo.com	2019-12-20 09:02:22	Normal	Reset password Exit class
3	Rosius	Student	rosiusdakouzo@gmail.com	2020-01-11 14:24:57	Normal	Reset password Exit class
4	Marinic	Teacher	mrosius.dakouzo@gmail.com	2020-01-12 21:30:14	Normal	Reset password Exit class
5	Solomani Coulibaly	Teacher	coulibos@gmail.com	2020-02-13 14:12:44	Normal	Reset password Exit class
6	Kalliou	Teacher	kalsidibe@gmail.com	2020-02-13 14:14:51	Normal	Reset password Exit class
7	M.Smk	Student	mamabsamake940@gmail.com	2020-02-13 14:18:08	Normal	Reset password Exit class
8	Boura	Student	bouramadiarra002@gmail.com	2020-02-13 21:09:13	Normal	Reset password Exit class
9	dousey	Student	douseygenie@gmail.com	2020-02-14 09:39:48	Normal	Reset password Exit class
10	Aminata Aliou	Student	aminataaliou47@gmail.com	2022-07-19 11:38:39	Normal	Reset password Exit class

**Note:** Members include the classroom teacher ( the teacher who created the class ), substitute teachers, and students.

### III. Teacher assigning homework using his private resources

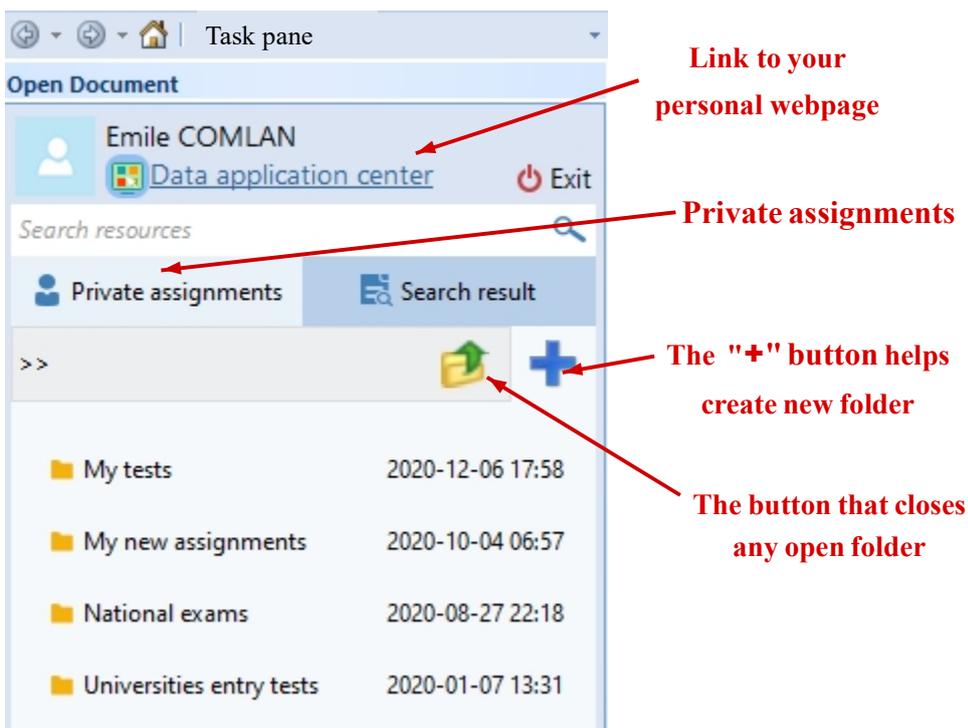
1. Private resources are the personal ones, that only the owner can distribute.

Open ScienceWord, and from and the task pane, login with your teacher account.



2. Then you get the following window without any folder as default.

The button + help to create folders; you right-click to rename any folder. Currently, the private assignments contains four (04) folders.



### 3. Upload the assignment to the remote server

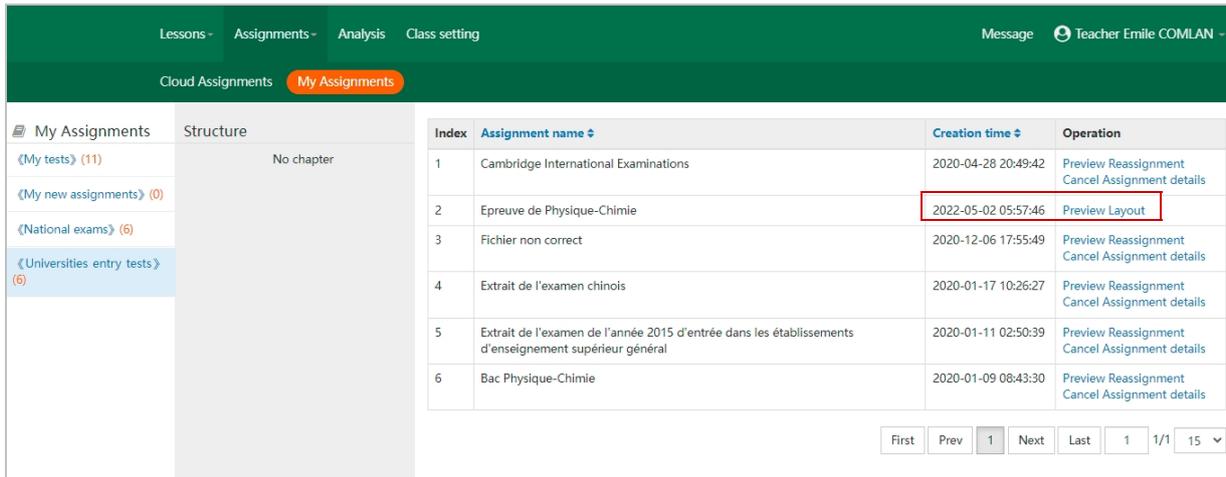
(i.) Open the assignment in ScienceWord file.

(ii.) Select a folder of "Private assignment" .

(iii.) Click from file menu on **Upload each question to the remote server** .

(iv.) Then select the folder in which the assignment should be sent.

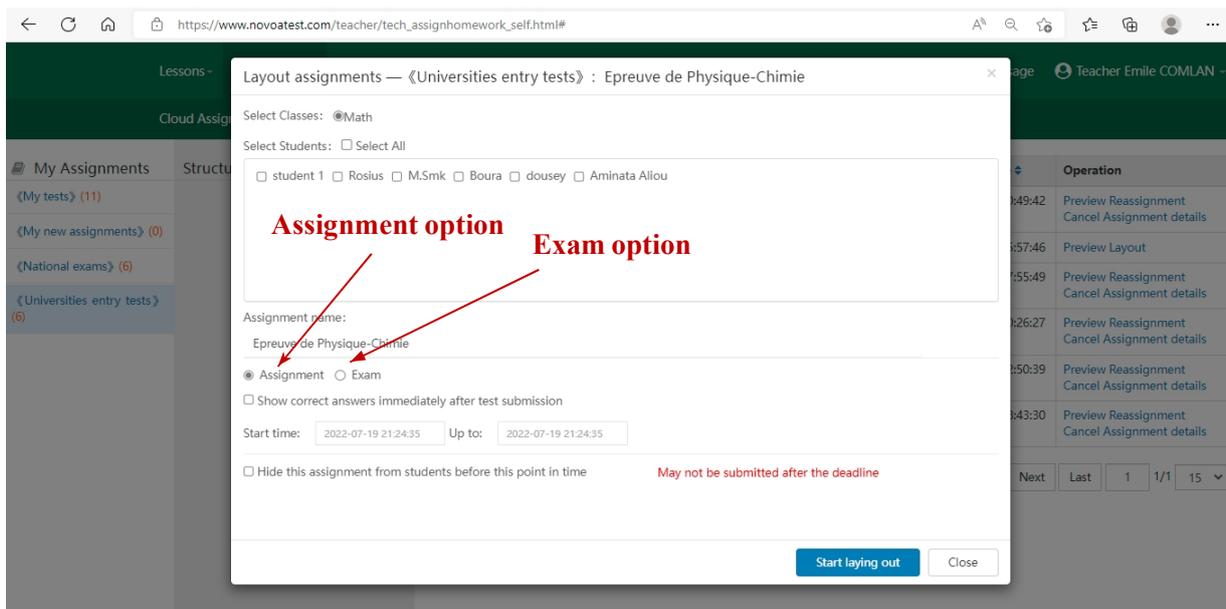
4. Click from the task pane on the link "Data application center", select "My Assignments" and layout which one you want to distribute to the students.



Index	Assignment name	Creation time	Operation
1	Cambridge International Examinations	2020-04-28 20:49:42	Preview Reassignment Cancel Assignment details
2	Epreuve de Physique-Chimie	2022-05-02 05:57:46	Preview Layout
3	Fichier non correct	2020-12-06 17:55:49	Preview Reassignment Cancel Assignment details
4	Extrait de l'examen chinois	2020-01-17 10:26:27	Preview Reassignment Cancel Assignment details
5	Extrait de l'examen de l'année 2015 d'entrée dans les établissements d'enseignement supérieur général	2020-01-11 02:50:39	Preview Reassignment Cancel Assignment details
6	Bac Physique-Chimie	2020-01-09 08:43:30	Preview Reassignment Cancel Assignment details

### 5. Click on layout to get the following dialog box

- The option "Assignment" is about setting a period in which the assignment should be deliver.
- The option "exam" is for real exam with a precise date, a precise beginning time and the precise time to end and submit.



Layout assignments — «Universities entry tests»: Epreuve de Physique-Chimie

Select Classes:  Math

Select Students:  Select All

student 1  Rosius  M.SmK  Boura  dousey  Aminata Aliou

**Assignment option**      **Exam option**

Assignment name: Epreuve de Physique-Chimie

Assignment  Exam

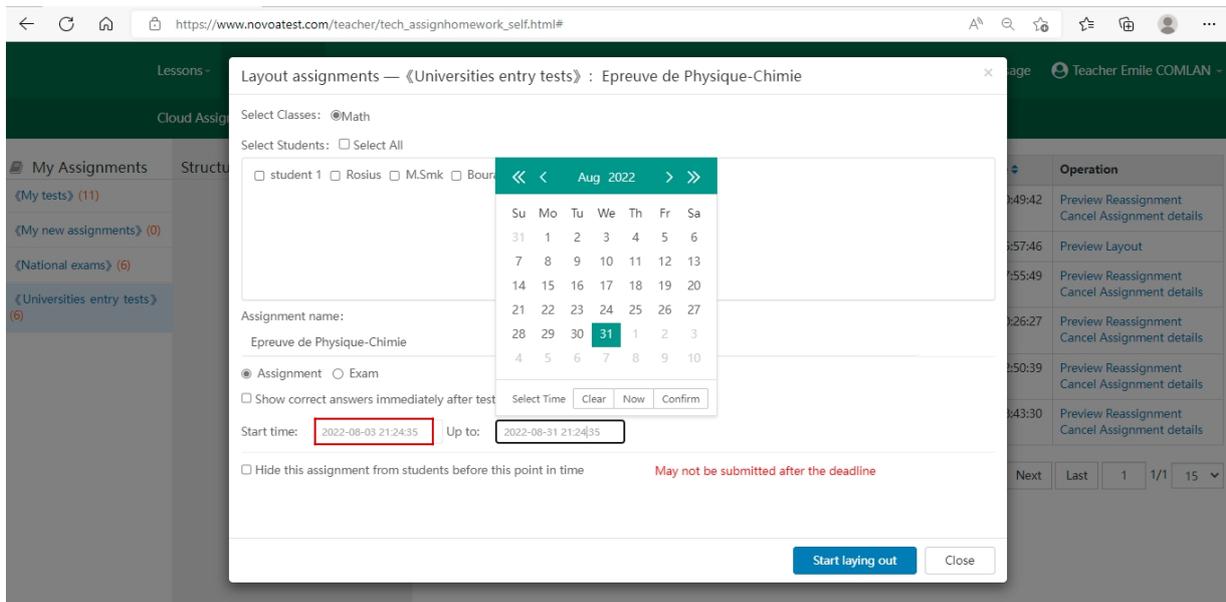
Show correct answers immediately after test submission

Start time: 2022-07-19 21:24:35 Up to: 2022-07-19 21:24:35

Hide this assignment from students before this point in time **May not be submitted after the deadline**

**Start laying out** Close

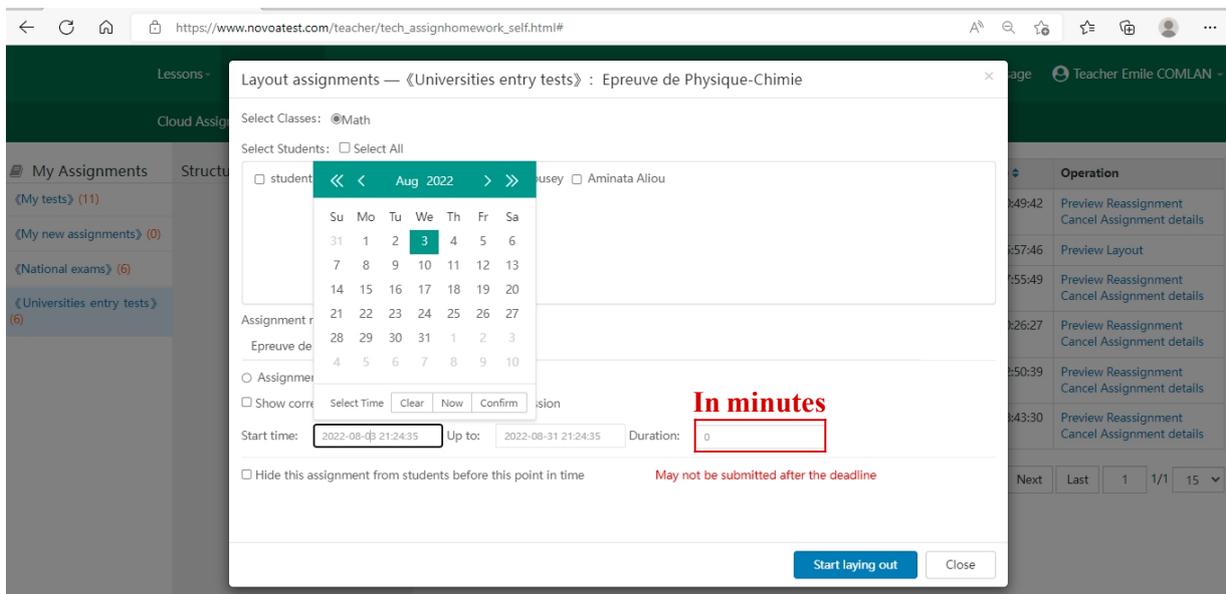
6. a) With the assignment option selected, click in the time field to set the time for assignment.  
*Here you need two dates: start date and time and the end date and time.*



b) Select the exam option

*Here you need only one date , the start time (UTC) and the duration of the exam .  
**UTC: Coordinated Universal Time.***

**NB: The student may submit their work before the time is up. However his work is automatically submitted when the time is up.**

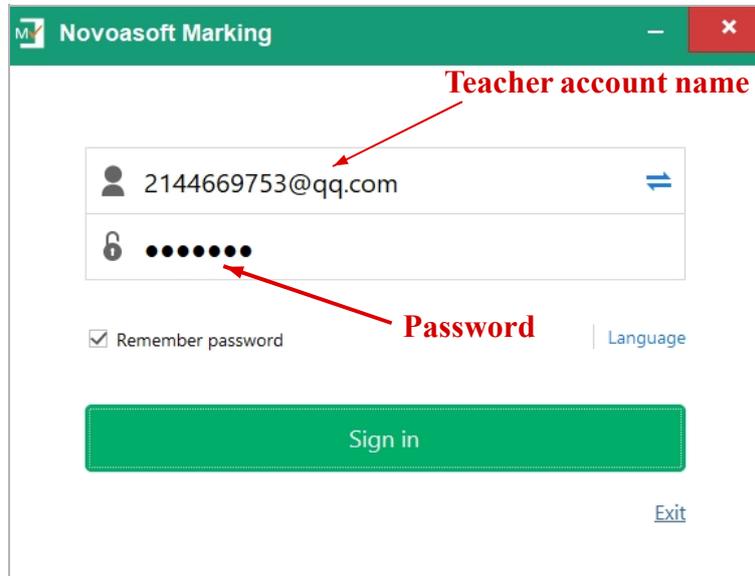


## IV. Grading assignment using Marking software

### 1. Opening Marking

To use Marking, you need a teacher account.

Double-click on Marking icon  and in the window that opens up, sign in with your teacher account details as shown in the image below.



### 2. What you need to know about grading assignments

The list of assignments is empty by default. Here is the case where assignments have been given by the teacher.

**Assignment list**

**Select a class**

**No mention**

**Not marked**

**Not submitted**

**Not submitted and Not marked**

**Click to open a homework that has been submitted**

**Assignment list**

**List and number of students that have submitted their homework**

**List of students that have not submitted their homework**

Full name	Open time	Submission time	State	Score	Full name
student 1	2020/01/18 03:26...	2020/01/18 04:46:28	Marked	81.0marks	Rosius

- (1) The teacher may have more than one class. So first he has to select a class.
- (2) When a class is selected, all assignments that have been given to some students or to the whole class are listed.
- (3) When you select an assignment from the list of assignments, the list of students who have submitted their assignments is shown in the middle column; the list of students who have not submitted their assignments is displayed in the far-right column.
- (3) When there no mention related to an assignment, it means that all students have submitted their assignments and all assignments have been marked ( see the area boxed in blue ).
- (4) When there is the indication "**Not marked  $n$** " to an assignment, it means that among the class students who may have submitted their assignments, a number  $n$  students assignments have not been marked.
- (5) When there is the indication "**Not submitted  $n$** " to an assignment, it means that among the class students who may have been given the assignment, a number of  $n$  students have not submitted their assignments.
- (6) When there is the indication "**Not submitted  $n$  / Submitted  $m$** " to an assignment, it means that among the students in the class who could have been given the assignment, a number of  $n$  students did not submit their homework and the homework of a number  $m$  of students who were submitted were not graded.

### 3. Grading and Releasing marked homework

Just click on a student's assignment to open it; then you get a window as shown below. At the bottom of the window, the list of ungraded question numbers is displayed.

Novoasoft Marking Cambridge Mathematics Admissions Test (2022/07/22 09:44:20)

Back to assignments list Release marked homework Previous Next Current student: student 1

1. Choice questions A-J

Choice Test Total score: 40 Score: 0 Lost: 40

No	A.	B.	C.	D.	E.	F.	G.	H.	I.	J.
Corr	d	d	e	b	a	a	b	c	c	c
Stud	d	d	e	a	d	b	b	c	d	a
Sc				0	0	0			0	0

For All Applicants

2. This problem is divided in two parts: part a. and part b.  
a. Let  $S$  and  $T$  denote transformations of  $xy$ -plane:  
 $S(x, y) = (x+1, y), T(x, y) = (-y, x)$   
We will write, for example,  $TS$  denote the composition of applying  $S$  and  $T$ , that is,  
 $TS(x, y) = T(S(x, y))$   
and write  $T^n$  to denote  $n$  applications of  $T$  where  $n$  is a positive integer.  
(i) Show that  $TS(x, y) \neq ST(x, y)$ .  
(ii) For what values of  $n$  is it the case that  $T^n(x, y) = (x, y)$  for all  $x, y$ ?  
(iii) Show that applications of  $S$  and  $T$  in some order can produce the transformation  
 $U(x, y) = (x-1, y)$ .

Answer:

(i) We see  $TS(x, y) = (-y, x+1), ST(x, y) = (-y+1, x)$  aren't equal. **1 mark**

(ii) We see  $T^2(x, y) = (x, -y), T^3(x, y) = (-x, -y), T^4(x, y) = (x, y)$   
So if  $T^n(x, y) = (x, y)$  for all  $x, y$  then  $n$  is a multiple of 4. **2 marks**

(iii) Note that (for example) **1 mark**  
 $T^2S^2(x, y) = T^2S(-x, -y) = T^2(-x+1, -y) = (x-1, y)$  **2 marks**

To achieve this we cannot use  $S$  alone, and if  $T$  is involved then it must be

2. a. b. 3. (a) (b) (c) (d) (e) (f) (g) 4. (a) (b) (c) (d) (a) (b) (c) (d) (e) (f) 6. (a) (b) (c) (d) (e) 7. (a) (b)

Here, at the bottom of the window, there is no list of uncorrected questions, so this illustrates that all questions are corrected.

Novoasoft Marking Cambridge Mathematics Admissions Test (2022/07/22 09:44:20)

Back to assignments list Release marked homework Previous Next Current student: student 1

(i) We see  $TS(x,y)=(-y,x+1)$ ,  $ST(x,y)=(-y+1,x)$  aren't equal. **1 mark**

(ii) We see  $T^2(x,y)=(-x,-y)$ ,  $T^3(x,y)=(y,-x)$ ,  $T^4(x,y)=(x,y)$   
 So if  $T^n(x,y)=(x,y)$  for all  $x,y$  then  $n$  is a multiple of 4. **2 marks**

(iii) Note that (for example)  
 $T^2ST^2(x,y)=T^2S(-x,-y)=T^2(-x+1,-y)=(x-1,y)$  **1 mark**

To achieve this we cannot use  $S$  alone, and if  $T$  is involved then it must be applied at least four times, so that the  $xy$ -plane has regained its original orientation. We can't use  $T$  alone, since that just gives the transformations above. The minimum is five. **2 marks**

(i) We see  $TS(x,y)=(-y,x+1)$ ,  $ST(x,y)=(-y+1,x)$  aren't equal.  
 (ii) We see  $T^2(x,y)=(-x,-y)$ ,  $T^3(x,y)=(y,-x)$ ,  $T^4(x,y)=(x,y)$   
 So if  $T^n(x,y)=(x,y)$  for all  $x,y$  then  $n$  is a multiple of 4.  
 (iii) Note that for example:  
 $T^2ST^2(x,y)=T^2S(-x,-y)$   
 $=T^2(-x+1,-y)$   
 $=(x-1,y)$

To achieve this we cannot use  $S$  alone, and if  $T$  is involved, then it must be applied at least four times, so that the  $xy$ -plane has regained its original orientation. We cannot use  $T$  alone, since that just gives the transformations above. The minimum is five.

0 1 2 3 4 5 6 7 8 8