

# **Online management of Learning System 6.5**

## **Teacher's Guide**

## Table of contents

Table of contents.....	1
I. User Management.....	2
1. Registration.....	2
a. You must register to create a virtual school.....	2
b. Special Notes:.....	3
2. Personal Center.....	3
3. Password management.....	3
II. Classroom Setting.....	4
1. Creation of classes by a teacher.....	4
2. Complete process for a student enrolling in a class.....	5
3. Teacher approval process for enrollment in a class.....	6
III. Teacher assigning homework using his private resources.....	8
IV. Grading assignment using Marking software.....	11
1. Opening Marking.....	11
2. What you need to know about grading assignments.....	11
3. Grading and Releasing marked homework.....	12

# 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.

The screenshot shows a web browser window with the URL <https://www.novoatest.com/login.html>. The page header includes "Support" and "English" links. The main heading is "Beijing Elearning Technology" with the tagline "Create the most advanced and revolutionary digital virtual school". Below this, there are input fields for a username (containing "2144669753@qq.com") and a password (masked with dots). A large blue circular button labeled "Sign In" is centered below the fields. At the bottom, there are links for "Register", "Forget Password?", and "Download Client". A footer note states: "Learning 6.5 system including ScienceWord, Skill Technology and Class are copyrighted by Novoasoft".

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

Click on "Register". The following window will open

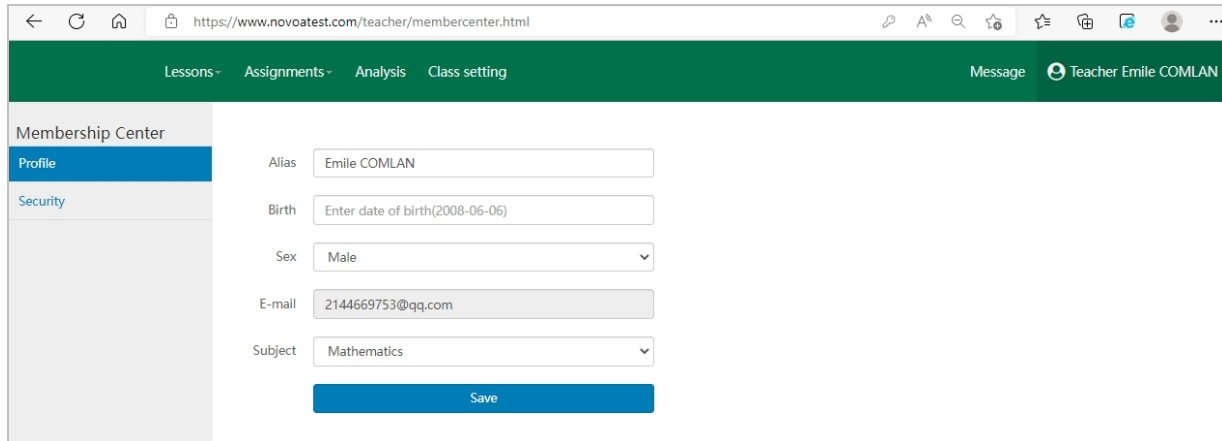
The screenshot shows a web browser window with the URL <https://www.novoatest.com/register.html>. The page title is "User registration". There are two tabs: "Administrative Staff registration" and "Student registration", with the latter being selected. The registration form includes fields for "Alias" (with a hint "Enter your Alias" and a requirement "Combination of letters, digits and characters"), "Password" (masked with dots, with a requirement "Combination of 6 to 20 digits and letters!"), "Confirm Password" (with a hint "Confirm Password" and a requirement "Enter your Password again"), "E-mail" (containing "2144669753@qq.com" and a note "Password can be retrieved via email"), and "Verification Code" (with a "Get a code" button). A large blue "Register" button is at the bottom, followed by a link for "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 bar with navigation links: Lessons, Assignments, Analysis, and Class setting. On the right of the header, there is a 'Message' button and a user profile icon labeled 'Teacher Emile COMLAN'. On the left, a sidebar shows 'Membership Center' with 'Profile' and 'Security' options. 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 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.

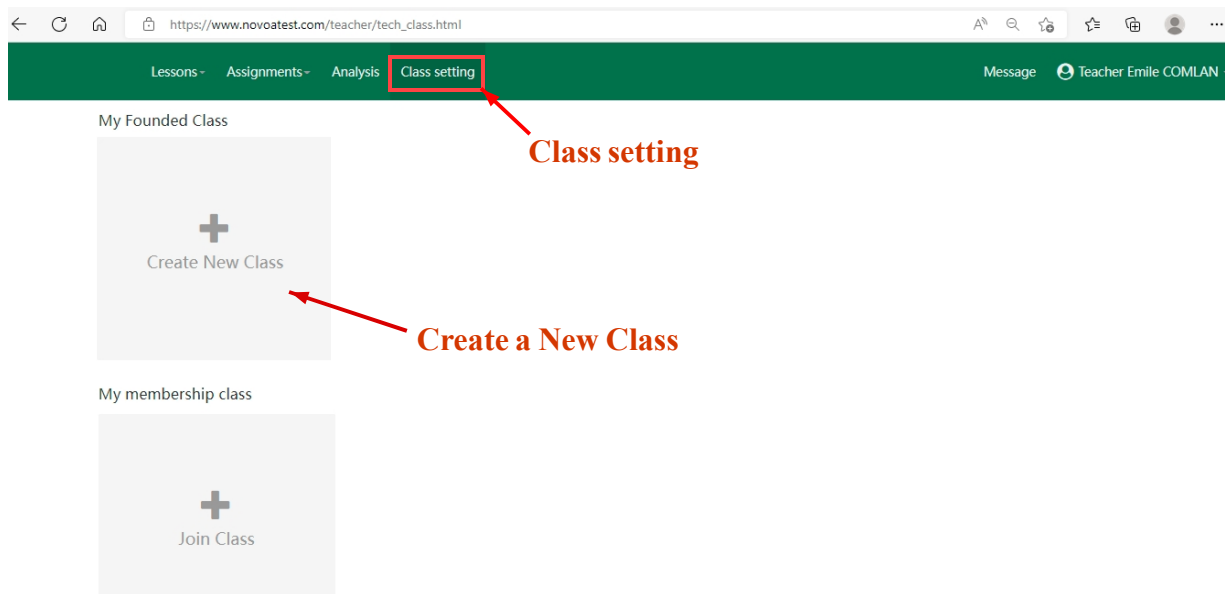
## II. Classroom Setting

### 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.*

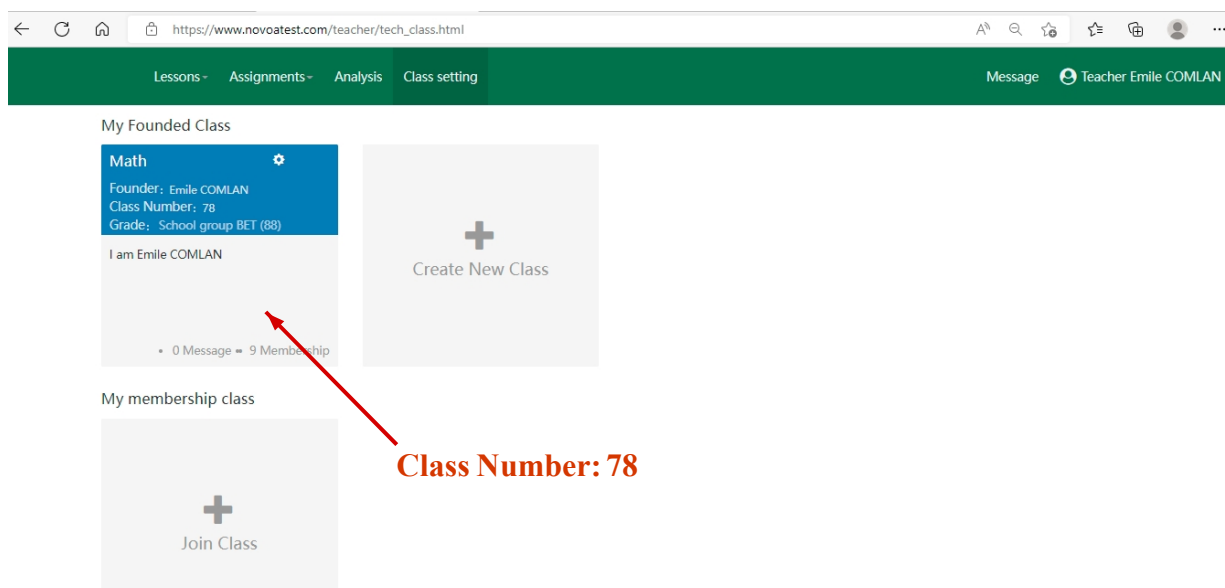
Class creation process is as follows.

( 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.

The screenshot shows a web browser window with the URL [https://www.novoatetest.com/teacher/tech\\_class.html#](https://www.novoatetest.com/teacher/tech_class.html#). The page has a dark green header with navigation links: Lessons, Assignments, Analysis, Class setting, Message, and Teacher Emile COMLAN. The main content area is titled 'My Founded Class' and shows details for a class named 'Math' with founder 'Emile COMLAN', class number '70', and grade 'School group BET (80)'. Below this, there is a section 'My membership class' with a '+ Join Class' button. A 'Join Class' dialog box is open, showing a 'Class Number' field with the placeholder 'Input class No' and a 'Validation message' field with the text 'I amEmile COMLAN'. A red arrow points to the 'Class Number' field with the label 'Class number'.

## 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.

The screenshot shows a web browser window with the URL [https://www.novoatetest.com/student/stud\\_class.html](https://www.novoatetest.com/student/stud_class.html). The page has a dark green header with navigation links: My lessons, My homework, My class, Message, and Student Aminata Aliou. The main content area is titled 'My membership class' and shows a '+ Join Class' button. A 'Join Class' dialog box is open, showing a 'Class Number' field with the value '70' and a 'Validation message' field with the text 'I amAminata Aliou'. A red arrow points to the 'Class Number' field with the label 'Class number', and another red arrow points to the 'Validation message' field with the label 'Validation message'.

- (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.

Select All	Index	Full name	Validation message	Application time	Operation
<input type="checkbox"/>	1	Aminata Aliou	Je suis Aminata Aliou	2022-07-19 11:38:39	Accepted Rejected
<input type="checkbox"/>	2	dousey	Je suis Mr.Sissoko	2020-02-14 09:39:49	Accepted
<input type="checkbox"/>	3	Boura	Je suis Bouram a Diarra	2020-02-13 21:09:13	Accepted
<input type="checkbox"/>	4	M.Smk	Je suis Mam a Samaké	2020-02-13 14:18:09	Accepted
<input type="checkbox"/>	5	Kallou	Je suis Kallou	2020-02-13 14:12:52	Accepted
<input type="checkbox"/>	6	Solomani Coulibaly	Je suis Solomani Coulibaly	2020-02-13 14:12:45	Accepted
<input type="checkbox"/>	7	Marinic	Je suis Marinic	2020-01-12 21:30:14	Accepted
<input type="checkbox"/>	8	Rosius	Je suis Rosius	2020-01-11 14:24:57	Accepted
<input type="checkbox"/>	9	student 1	I am student 1	2019-12-20 09:02:23	Accepted

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.

Data			Membership		Message	
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

First Prev 1 Next Last 1 1/1 15

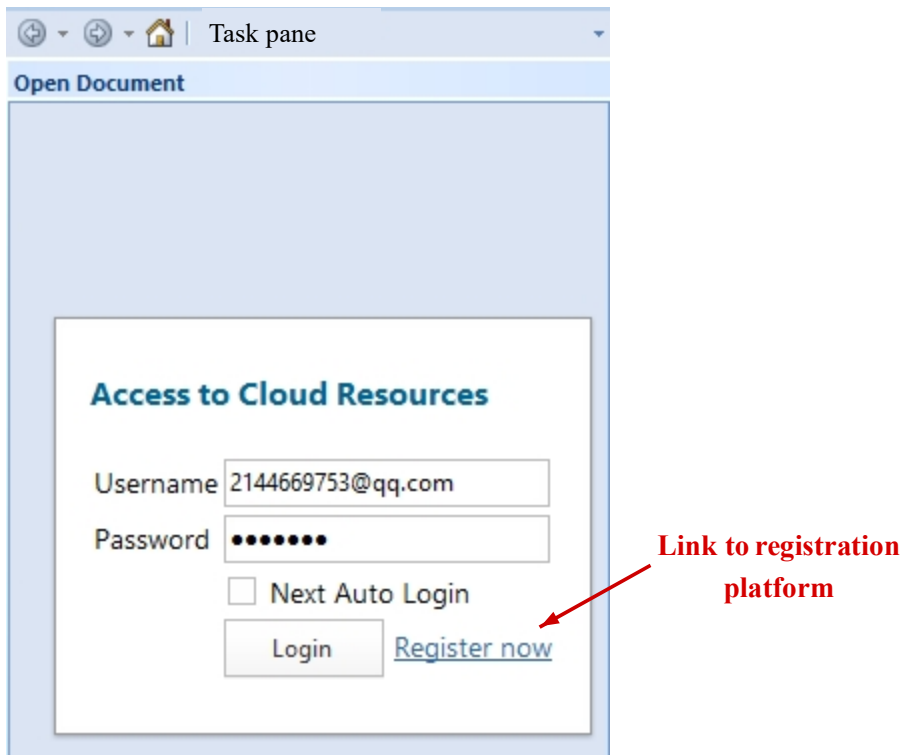
**Note:** Members include the classroom teacher ( the teacher who created the class ) , substitute teachers, and students.



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

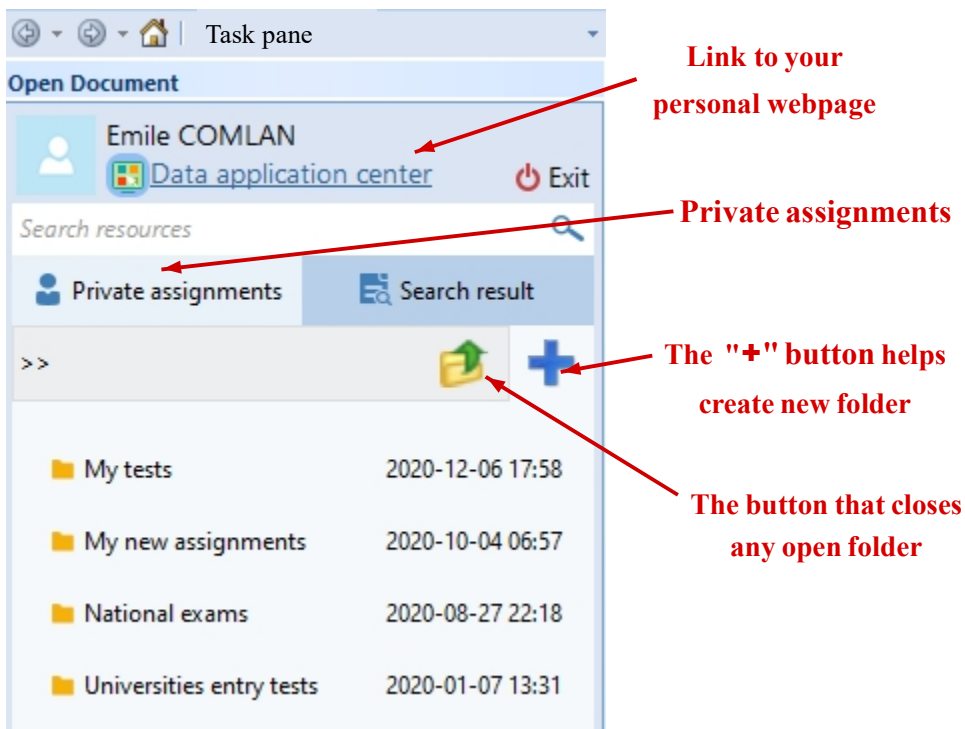
1. Private resources are the personal ones, that only the owner can distribute.

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 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**

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

**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.*

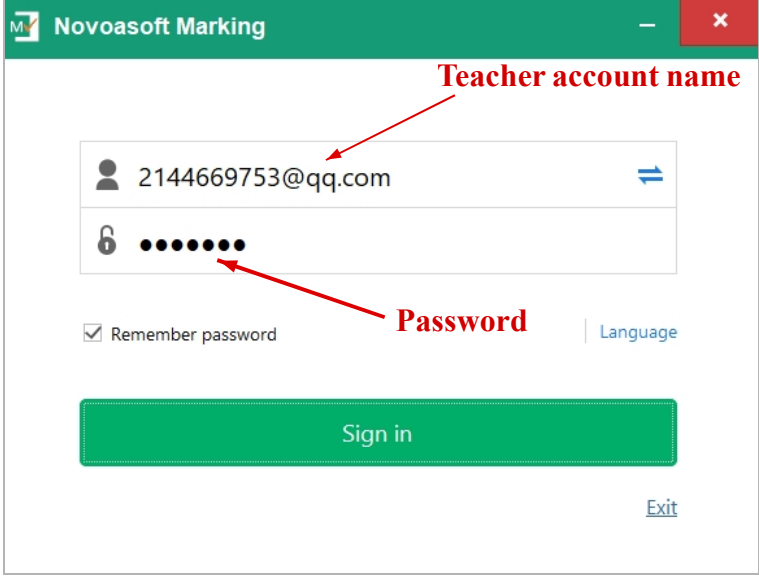
**NB: The student may submit their work before the time is up. However his work is automatically submitted when the time is up.**

## IV. Grading assignment using Marking software

### 1. Opening Marking

To use Marking, you need a teacher account.

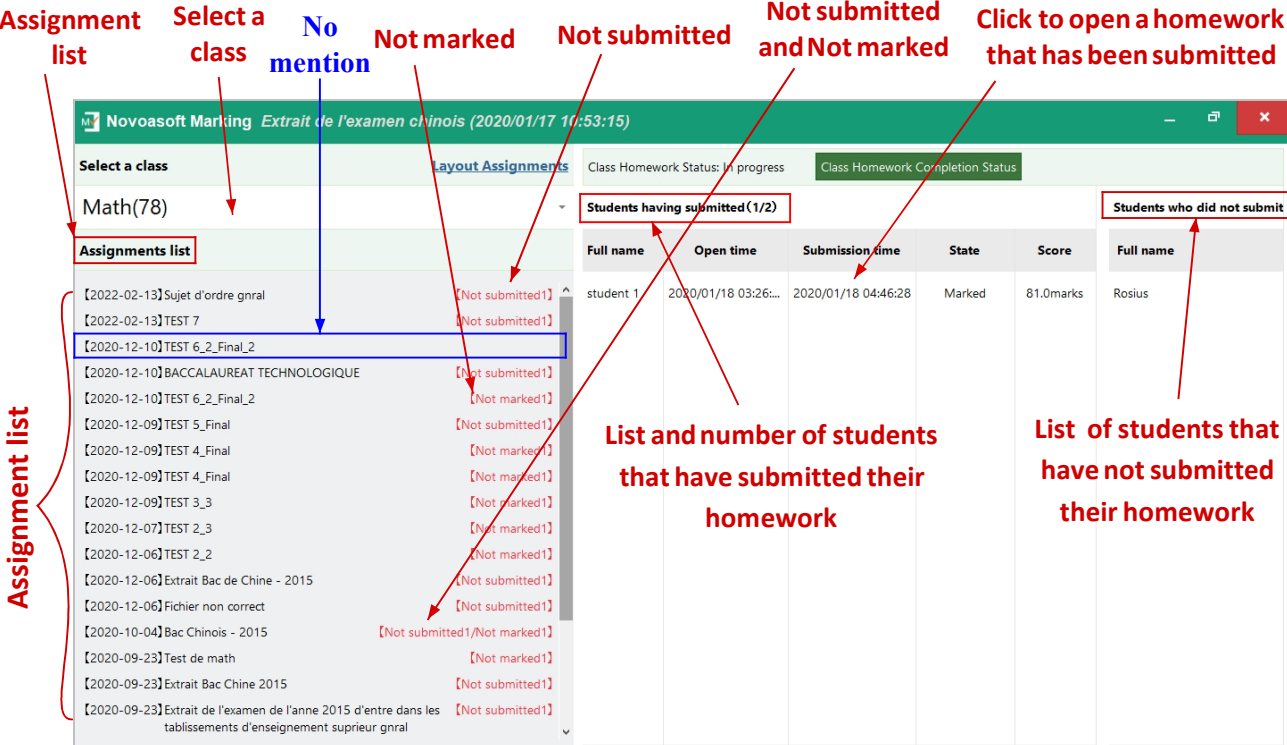
Double-click on Marking icon  and in the window that opens up, sign in with your teacher account details as shown in the image below.



The login window for Novoasoft Marking. It features a green header with the logo and title. Below the header, there are two input fields: one for the email address (2144669753@qq.com) and one for the password (represented by dots). A red arrow points to the email field with the label "Teacher account name". Another red arrow points to the password field with the label "Password". Below the password field, there is a checkbox labeled "Remember password" and a link labeled "Language". A large green "Sign in" button is at the bottom, and a small "Exit" link is at the bottom right.

### 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.



The interface shows a list of assignments on the left and a table of student submissions on the right. Red arrows point to various elements with labels:

- Assignment list**: Points to the list of assignments on the left.
- Select a class**: Points to the "Math(78)" dropdown menu.
- No mention**: Points to the "Layout Assignments" tab.
- Not marked**: Points to the "[Not marked1]" status in the table.
- Not submitted**: Points to the "[Not submitted1]" status in the table.
- Not submitted and Not marked**: Points to the "[Not submitted1/Not marked1]" status in the table.
- Click to open a homework that has been submitted**: Points to the "Students having submitted (1/2)" button.
- Students who did not submit**: Points to the "Students who did not submit" button.
- Assignment list**: A vertical label on the left side of the assignment list.
- List and number of students that have submitted their homework**: Points to the "Students having submitted (1/2)" button.
- List of students that have not submitted their homework**: Points to the "Students who did not submit" button.

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**

**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  $T^2(x, y) = (-x, -y)$ ,  $T^4(x, y) = (x, y)$ ,  $T^8(x, y) = (x, y)$   
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)  
 $T^3S^2(x, y) = T^3S(-x, -y) = T^3(-x+1, -y) = (x-1, y)$  **2 marks**

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

**Answer:**

(i) We see  $TS(x, y) = (-y, x+1)$ ,  $ST(x, y) = (-y+1, x)$  aren't equal.  
(ii) We see  $T^2(x, y) = (-x, -y)$ ,  $T^4(x, y) = (x, y)$ ,  $T^8(x, y) = (x, y)$   
So if  $T^n(x, y) = (x, y)$  for all  $x, y$  then  $n$  is a multiple of 4.  
(iii) Note that for example:  
 $T^3S^2(x, y) = T^3S(-x, -y) = T^3(-x+1, -y) = (x-1, y)$

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  $T^2(x, y) = (-x, -y)$ ,  $T^3(x, y) = (y, -x)$ ,  $T^4(x, y) = (x, y)$  **2 marks**

So if  $T^n(x, y) = (x, y)$  for all  $x, y$  then  $n$  is a multiple of 4. **1 mark**

(iii) Note that (for example) **2 marks**

$T^2ST^2(x, y) = T^2S(-x, -y) = T^2(-x+1, -y) = (x-1, y)$  **2 marks**

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

(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