**Cmpt 275**

# Simon Fraser University
# School of Computing Science

# Cmpt 275  Project

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Date: June 11th, 2015

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Team name: Eleven

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Project Deliverable #: 3

Project Deliverable Name: Client Requirements Review Meeting

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Phase leader(s): Te Lun Chen

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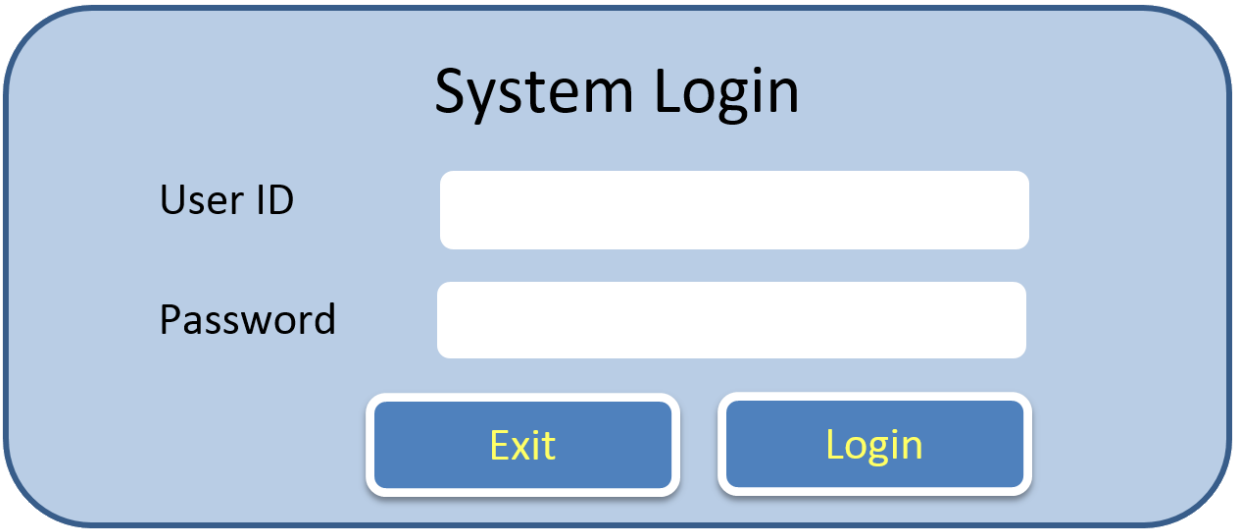
Grade:

# Assigned Parts

1. Logins / logout of the System, and manage multiple choice problems– **Zhi Cheng**
2. System administrator – **Susan Hamilton**
3. Administrative Assistant and the responsibilities – **Nari Shin, Janice Sargent**
4. Markers and Manage Activities – **Seong Jun kim**
5. Manage Rubrics – **Te Lun Chen**
6. Bonus marks and csv files, and regrade works – **Fan Liu**
7. Manage Programming Assingments – **Yinglun Qiao**
8. Manage Essays and Problem Sets **– Roy Chan**

# System Login

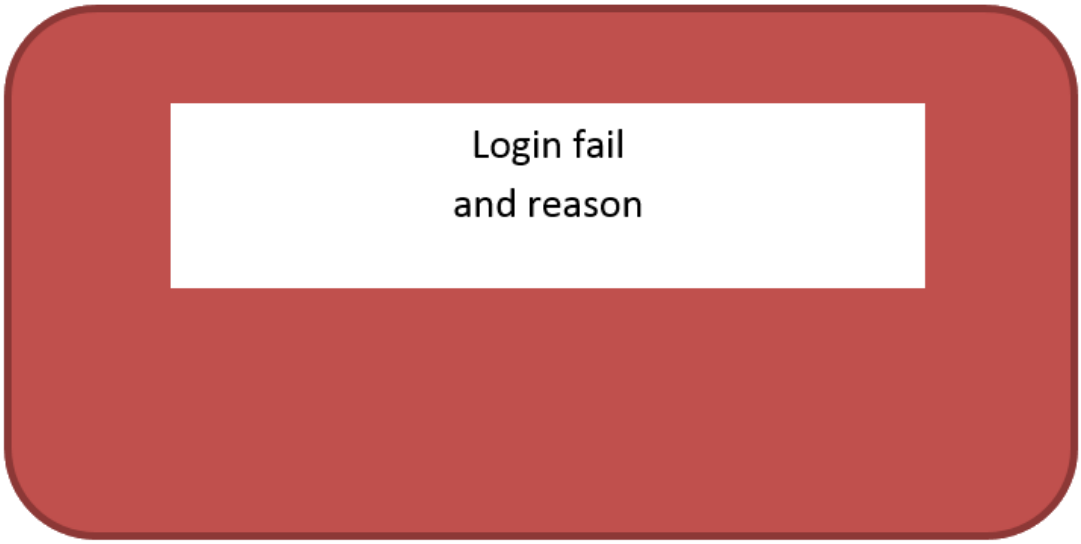
Scenario: User login to the system




Summary:

If login success a message box will pop up like:

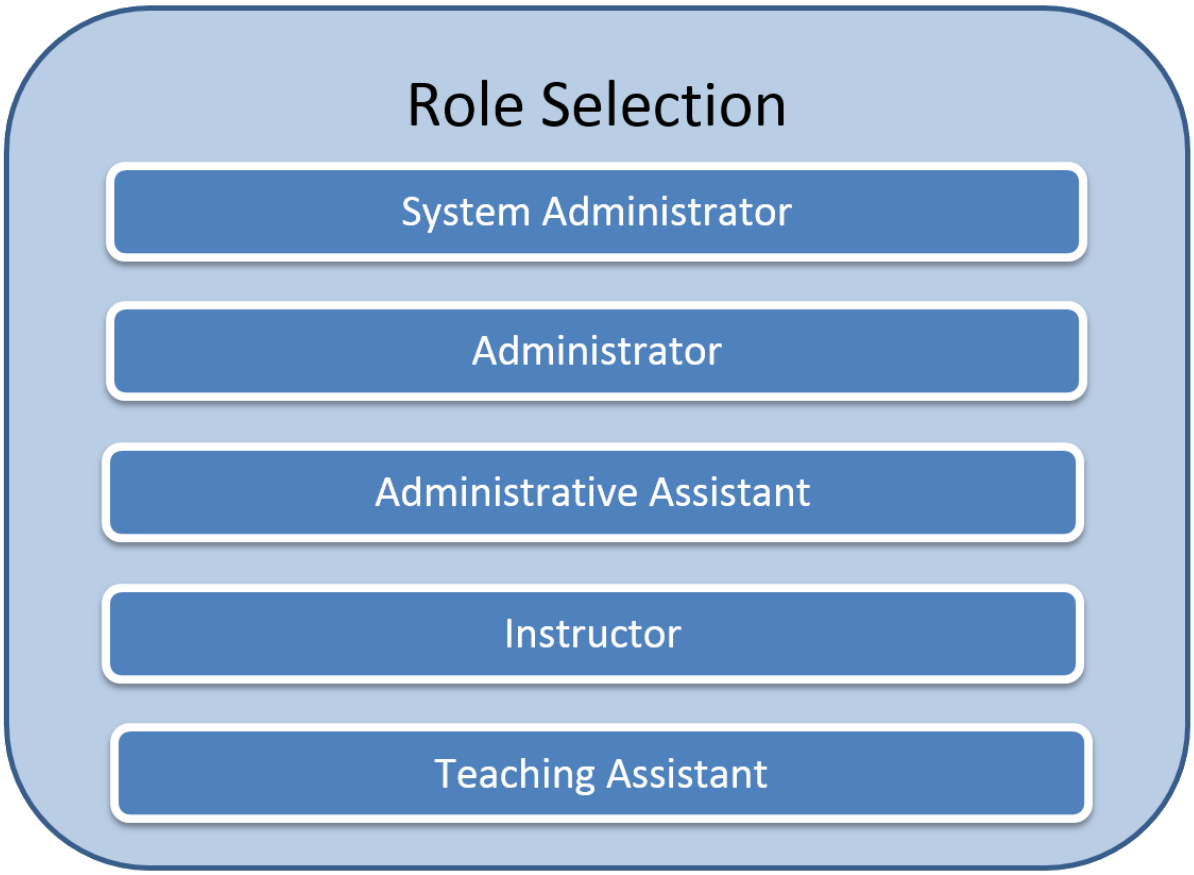
If login fail a message box will pop up like:




The reason include that

1. User ID not exist in database message “incorrect user id”
2. If user ID exist and password does not  match, message “incorrect password please try again ”it will also display how many time user has already tried for the password.
3. If account has already been blocked, message “sorry due to secure issue, your account is blocked. Please contact with system administer”

Scenario: User selects a role




Summary:

After the user has login, this interface will be displayed. The list of roles that user has will be presented, and he or she may choose a role. These roles includes, system administer, administrator, administrative assistant, instructor, and teaching assistant.

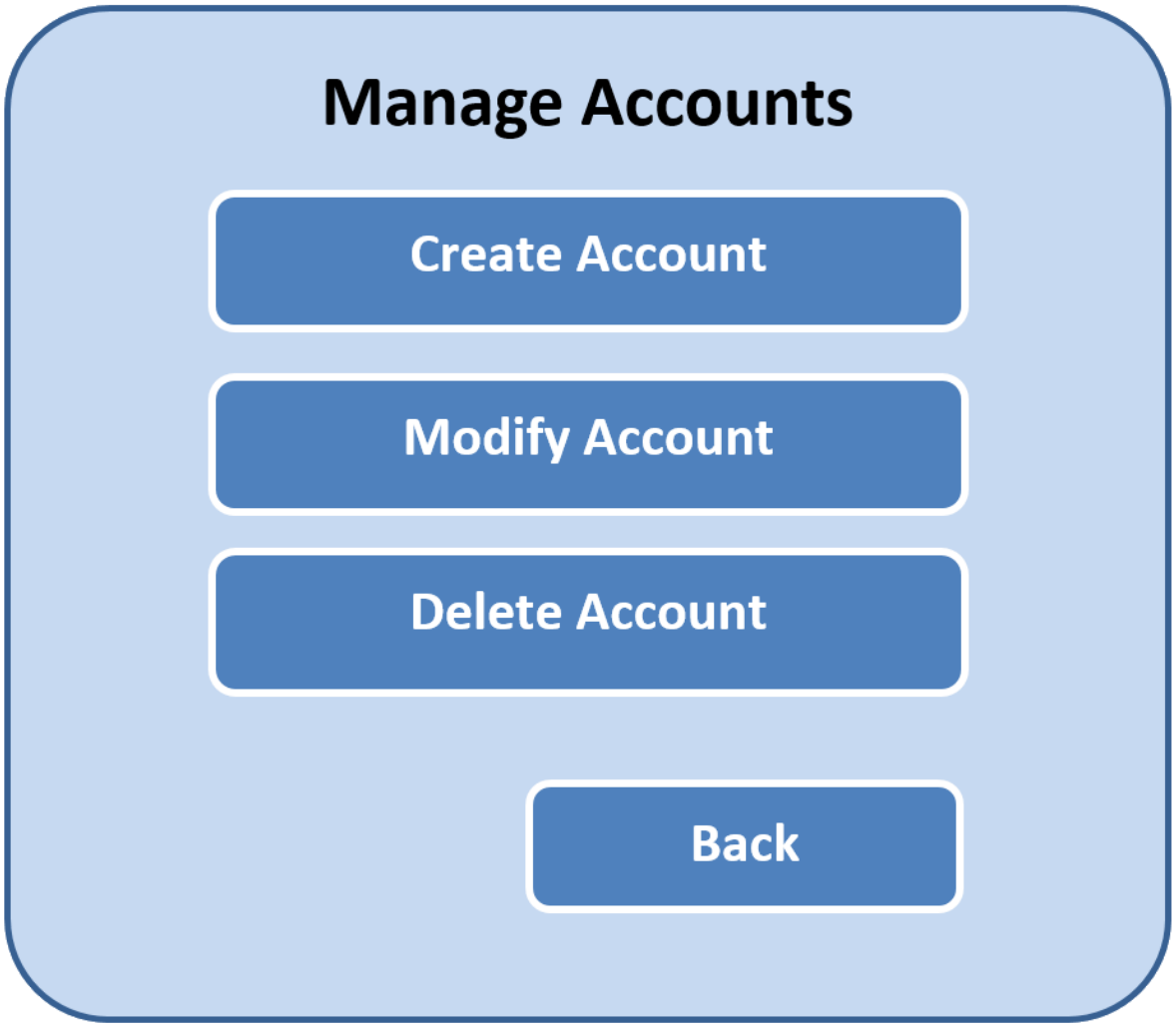
# System Administrator

Scenario: System Administrator selects an available task


Summary:

System administrator will be presented with a list of tasks. These tasks includes manage accounts, installation, backup, restore. The user may choose to navigate by clicking the back button.

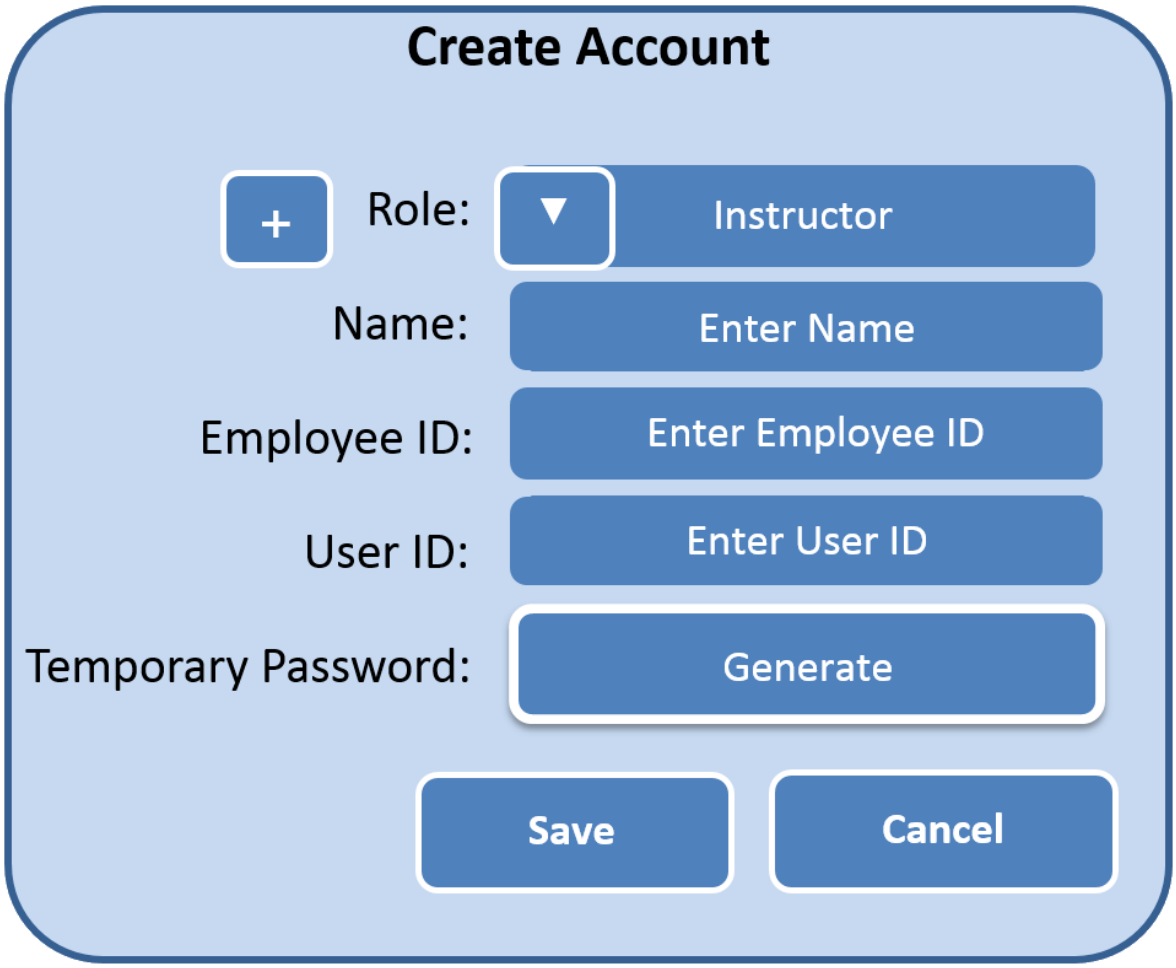
Scenario: System Administrator selects to manage account




Summary:

System administrator will be presented with a list of tasks. These tasks includes create account, modify account, and delete account. The user may choose to navigate by clicking the back button.

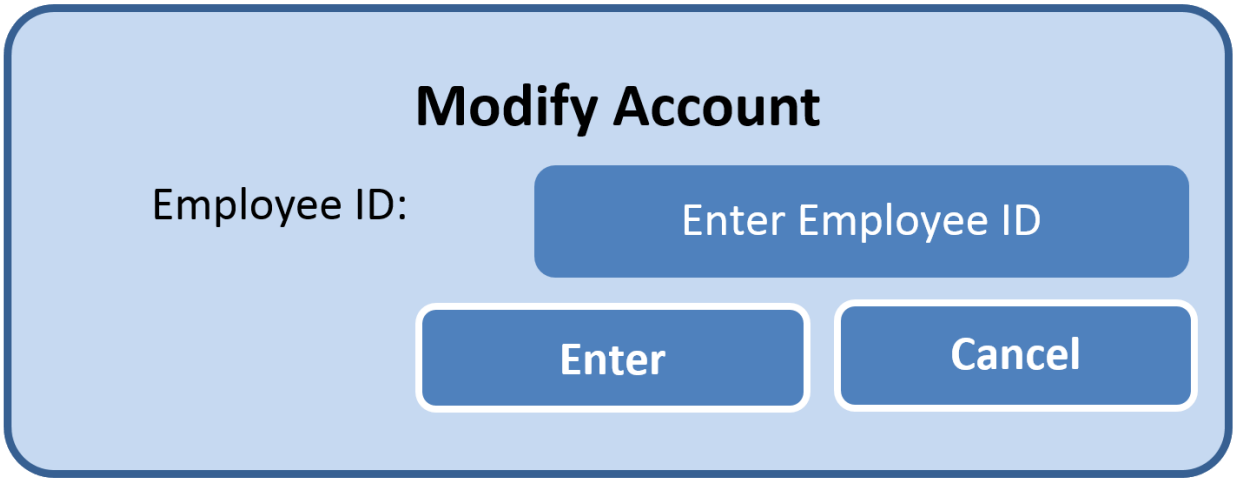
Scenario: System Administrator selects to create an account

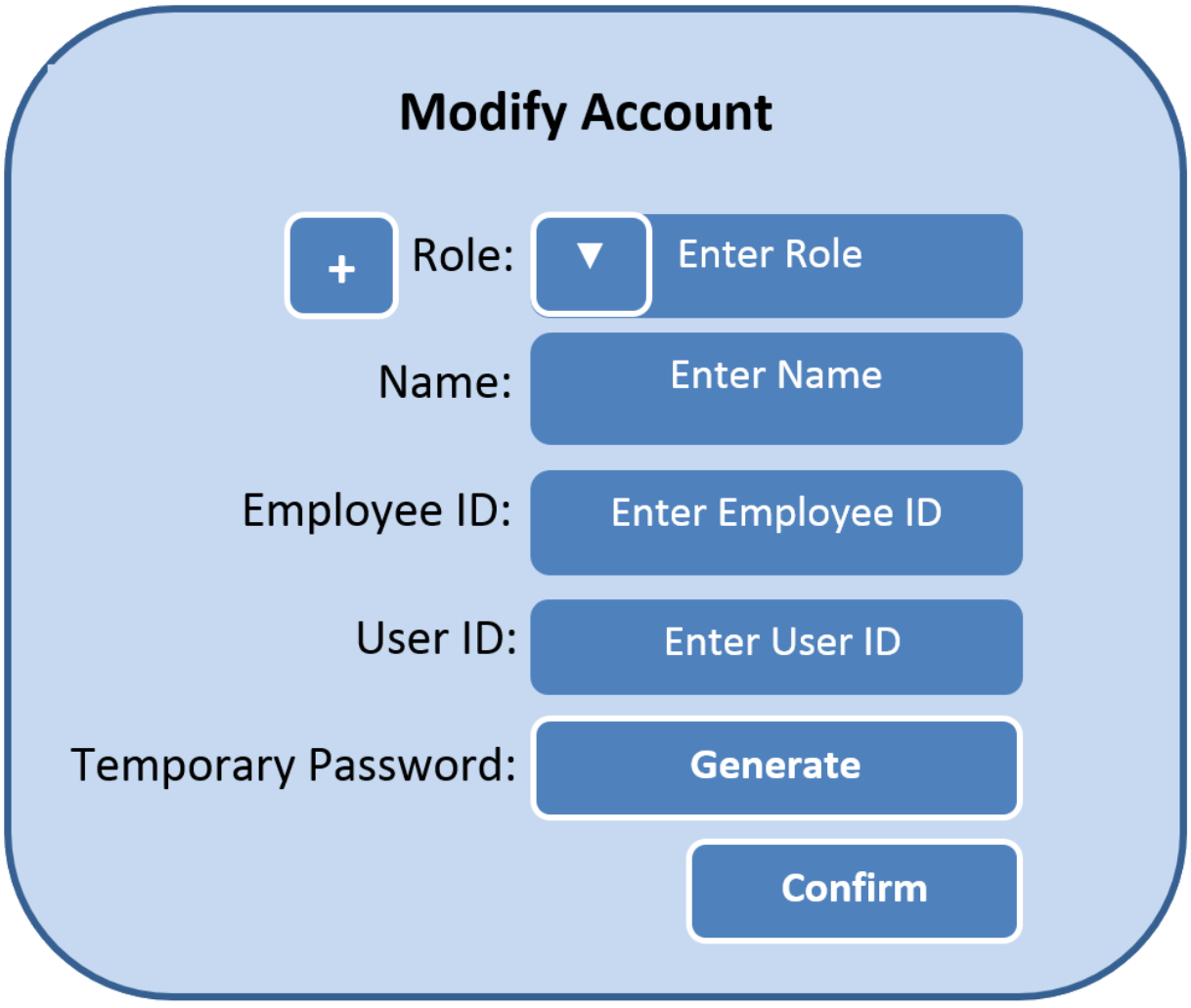



Summary:

System administrator will be presented with a list of require information to fill in. These information includes roles, name, employee id, user id, and temporary password. When cancel button is clicked, it takes you back to the manage account screen and does not save anything written.

Scenario: System Administrator selects to modify an account

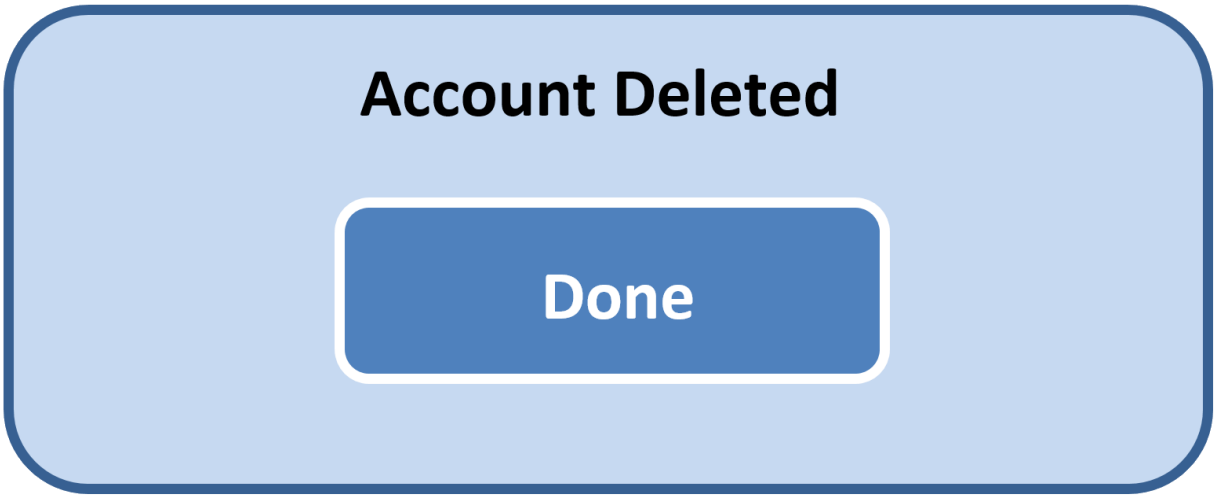


Summary:

After system administrator enter employee id of the account owner that he or she wish to modify, it will take you to modify account screen where list of attributes may be changed. The attributes that can be changed are role, name, employee id, user id, temporary password. After clicking confirm, it will go back to manage accounts screen. This process is also how one comes about making a new password for someone who forgotten/compromised theirs.

Scenario: System Administrator selects to modify an account

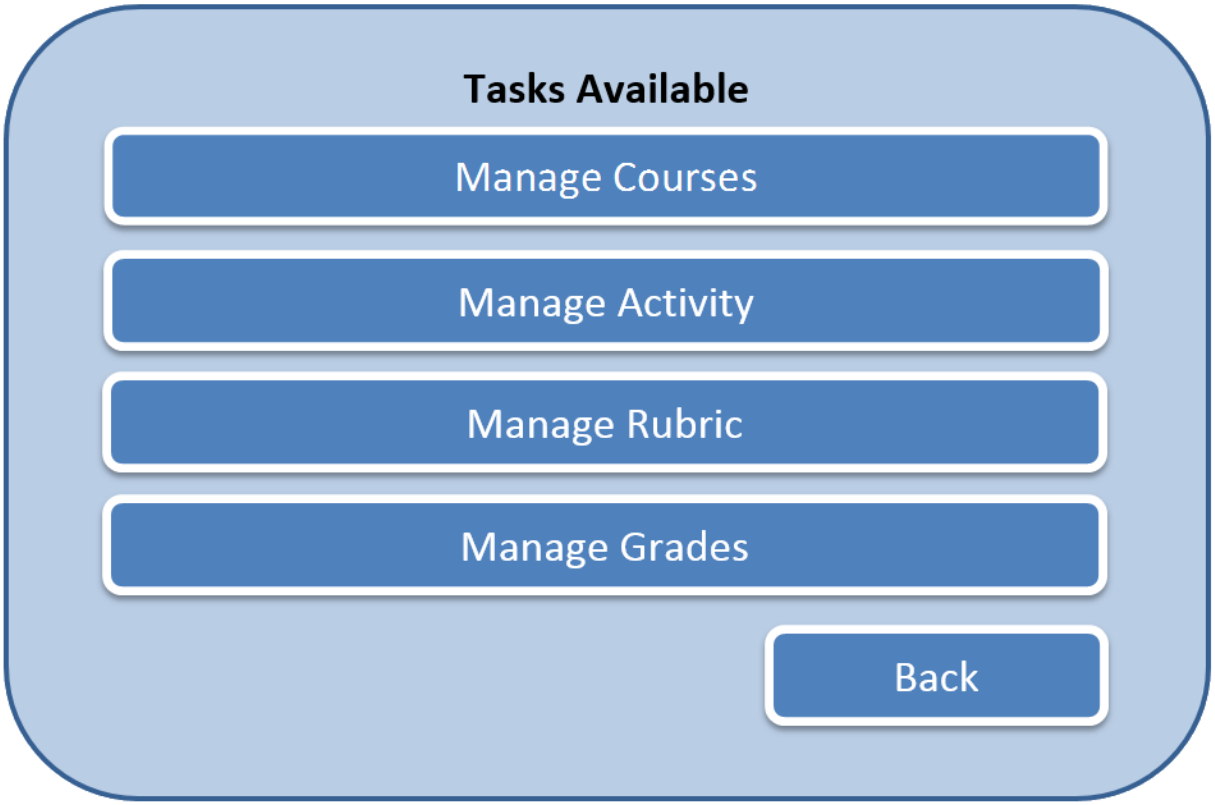




Summary:

After system administrator enter employee id of the account owner that he or she wish to modify, it will take you to a confirmation page where it list out role, name, employee id, user id of the account is about to be delete. Cancel and done buttons take you back to manage account screen.

# Administrator

Scenario: Administrator selects an available task




Summary:

Administrator will be shown with this interface where it displays a list of tasks. These tasks includes manage, courses, manage, activity, manage rubric, and manage grades. Back button takes you back to the role selection page.

# Administrator

Use case: An Administrative Assistant creates a course

Scenario: Scenario: Administrative assistant, Alice Johnson, creates a writing intensive course ENG 123.


Question to be asked during the meeting: Can an administrative assistant view all of the courses offered in the current semester? Are the courses grouped by their department names?

**Creating a Course**

Course Number:

123

Course Name:

Introduction to English

Start Date:

September 5th, 2014

End Date:

December 10st, 2014

Instructor Name:

John Smith

Instructor Employee ID:

123456789321

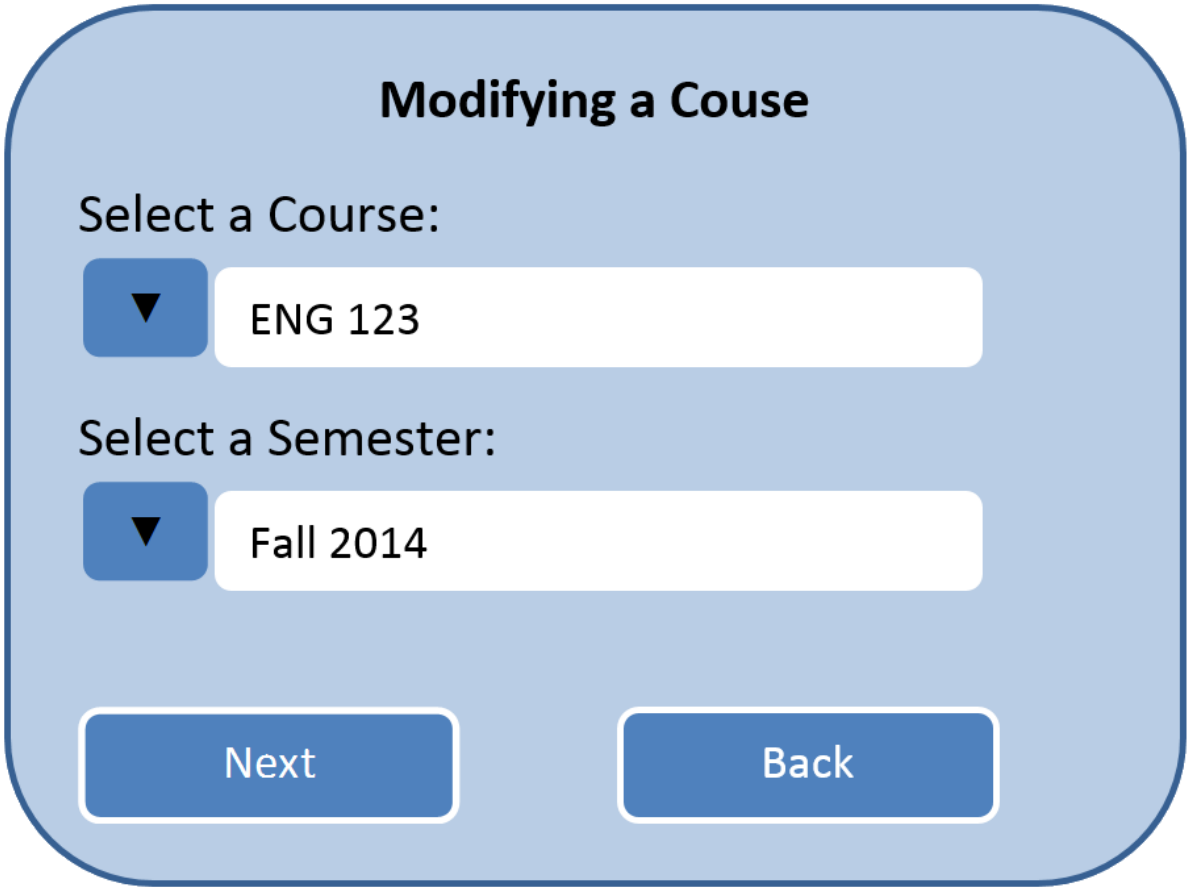
Validate Return

Summary:

The administrative assistant will be presented with these attributes to fill in when creating a course. The course#, name, start date and end date must be filled in. Preferably instructor, TA and students are also filled in but may be added later (modification). Grading cannot be commenced until instructor has been added.

Use Case: An Administrative Assistant modifies a course

Scenario: Administrative assistant Alice modifies the start date of ENG 123 from Sep.5th to Sep 8th.




Currently Modifying: ENG 123
Course Number:
ENG 123
Course Name:
Introduction to English
Start Date:
September 8th, 2014
Changed
End Date:
September 10th, 2014
Instructor Name:
John Smith
Instructor Employee ID:
123456789321
Add New TA
Add Students
Validate
Return

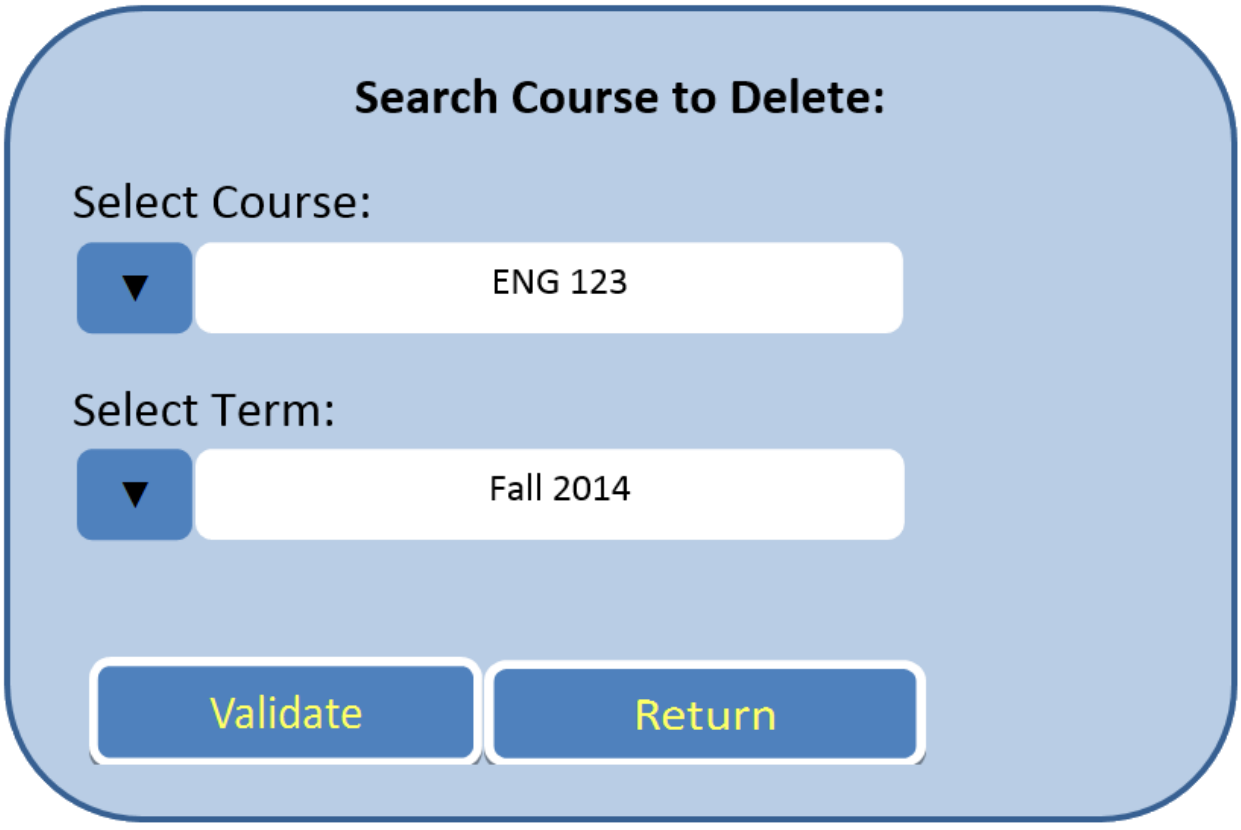
Scenario: Administrative assistant Alice modifies ENG by adding a TA (Sherman Phelps).

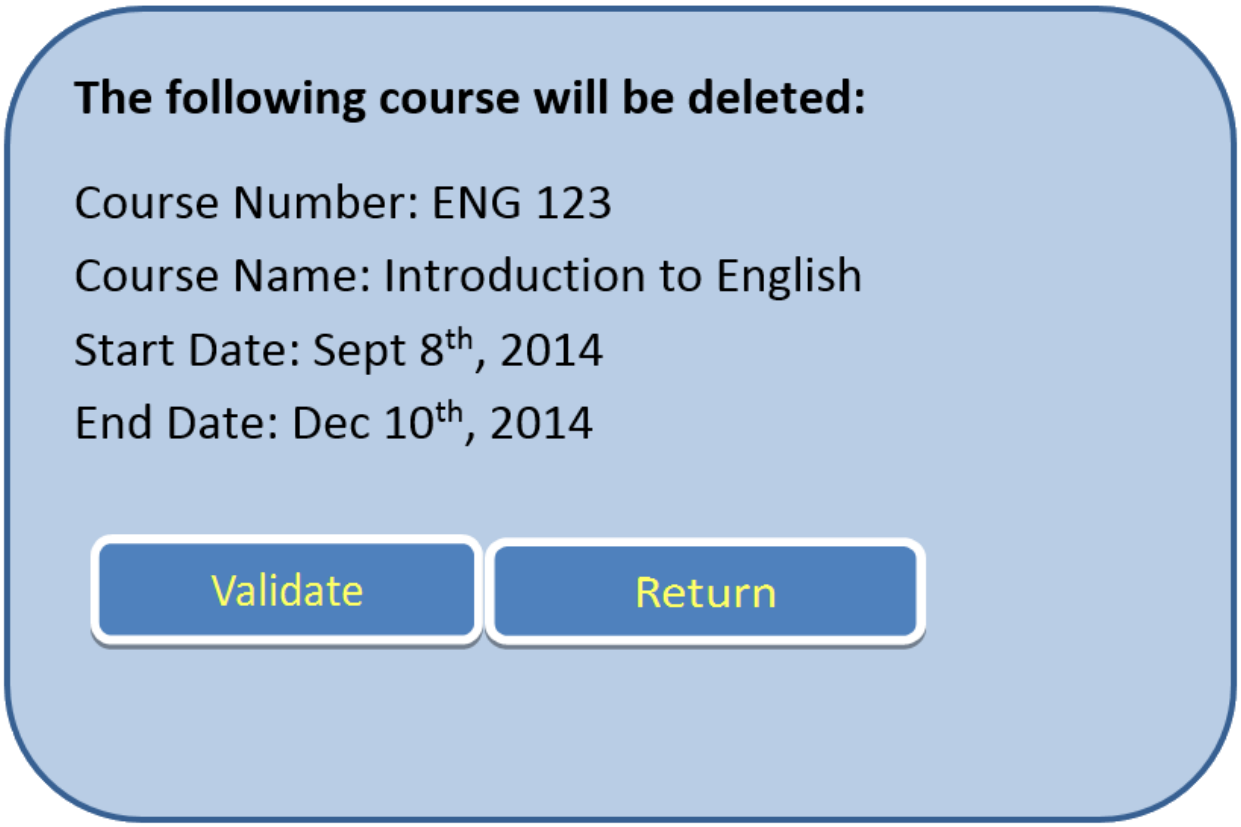
Summary:

Administrative assistant will search the course to be modified. After the course has been found, the attributes of the course will be displayed to the administrative assistant. The administrative assistant will be able to modify all of these attributes (course number, course name, start and end date, instructor name and ID). For the modification of TA and Students, the administrative assistant will be taken to a separate list that they can modify as needed.

Use Case: An Administrative Assistant deletes a course

Scenario: Administrative assistant Alice deletes ENG 123.






Summary:

Administrative assistant will search course to be deleted. After course is found, the course that is to be deleted will be displayed along with the course number, course name, start date, and end date. The administrative assistant will be able to delete a course if there are not any existing activities.

Use Case: An Administrative Assistant copies a course

Scenario: Administrative assistant copies the course ENG 123 which took place in Fall 2014.

**Search Course to Copy:**

Select Course:

▼ ----------

Select Term:

▼ ----------

Validate Return

**These following attributes will be copied:**

Course Number: ENG 123

Course Name: Introduction to English

Start Date: Sept 5, 2014

End Date: Dec 10, 2014

Instructor Name: John Smith

Instructor's Employee ID: 123456789321

Validate Return

Question to be asked during the meeting: Can the list of students and TAs be copied as well? How about grades and activities?

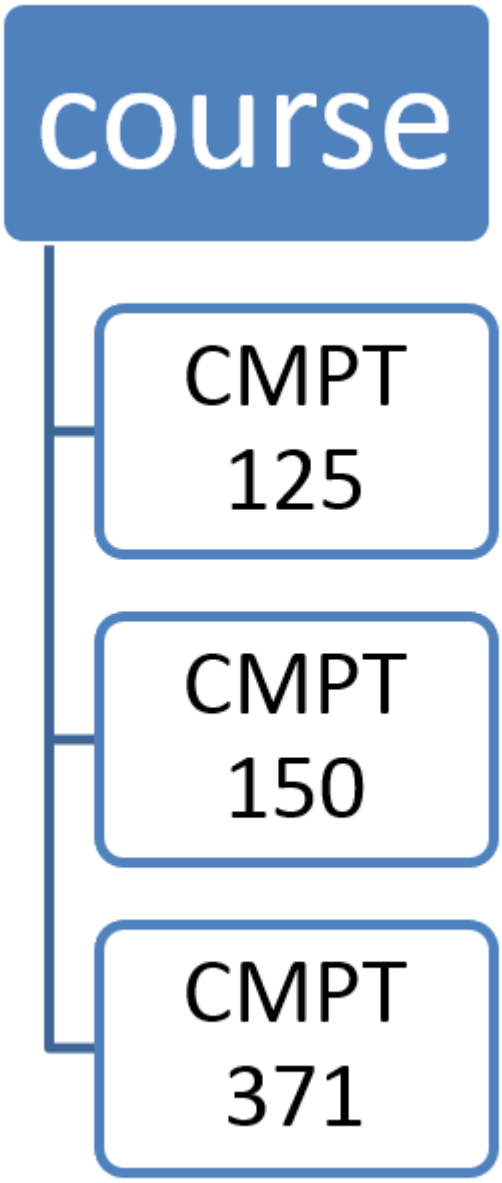
Summary:

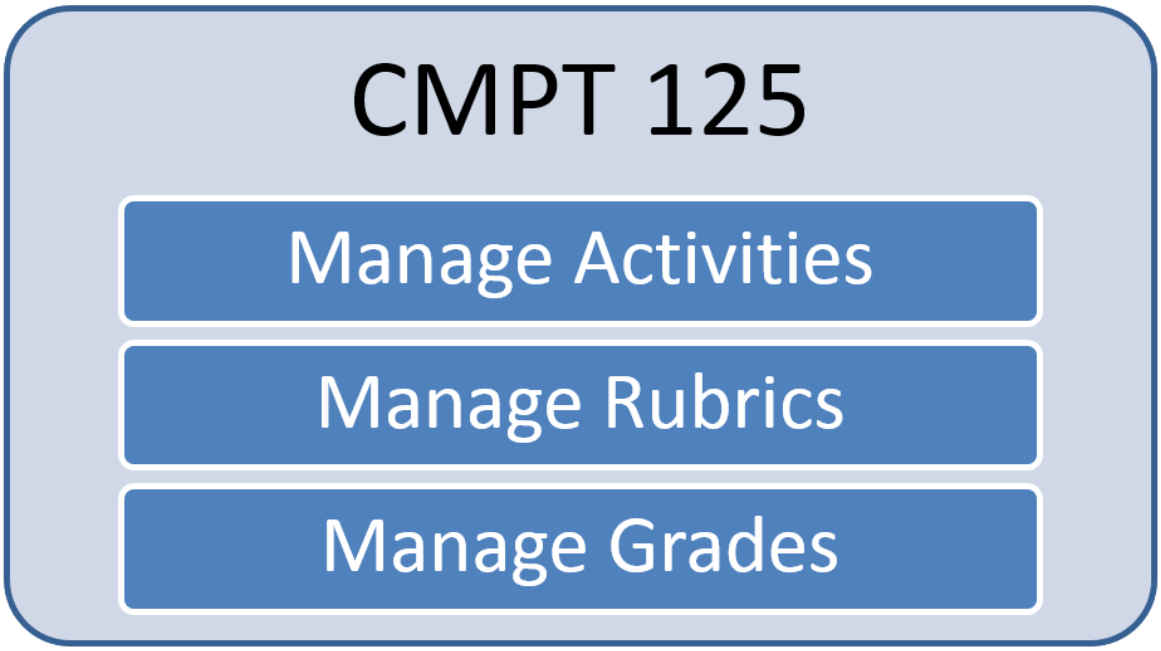
Administrative assistant will search course to be copied. After course is found, the course that is to be copied will be displayed along with the course number, course name, instructor name and ID, and TA name and ID.

# Instructor

Use Case: Managing an Activity

Scenario: Instructor, Bob, selects the course CMPT 125



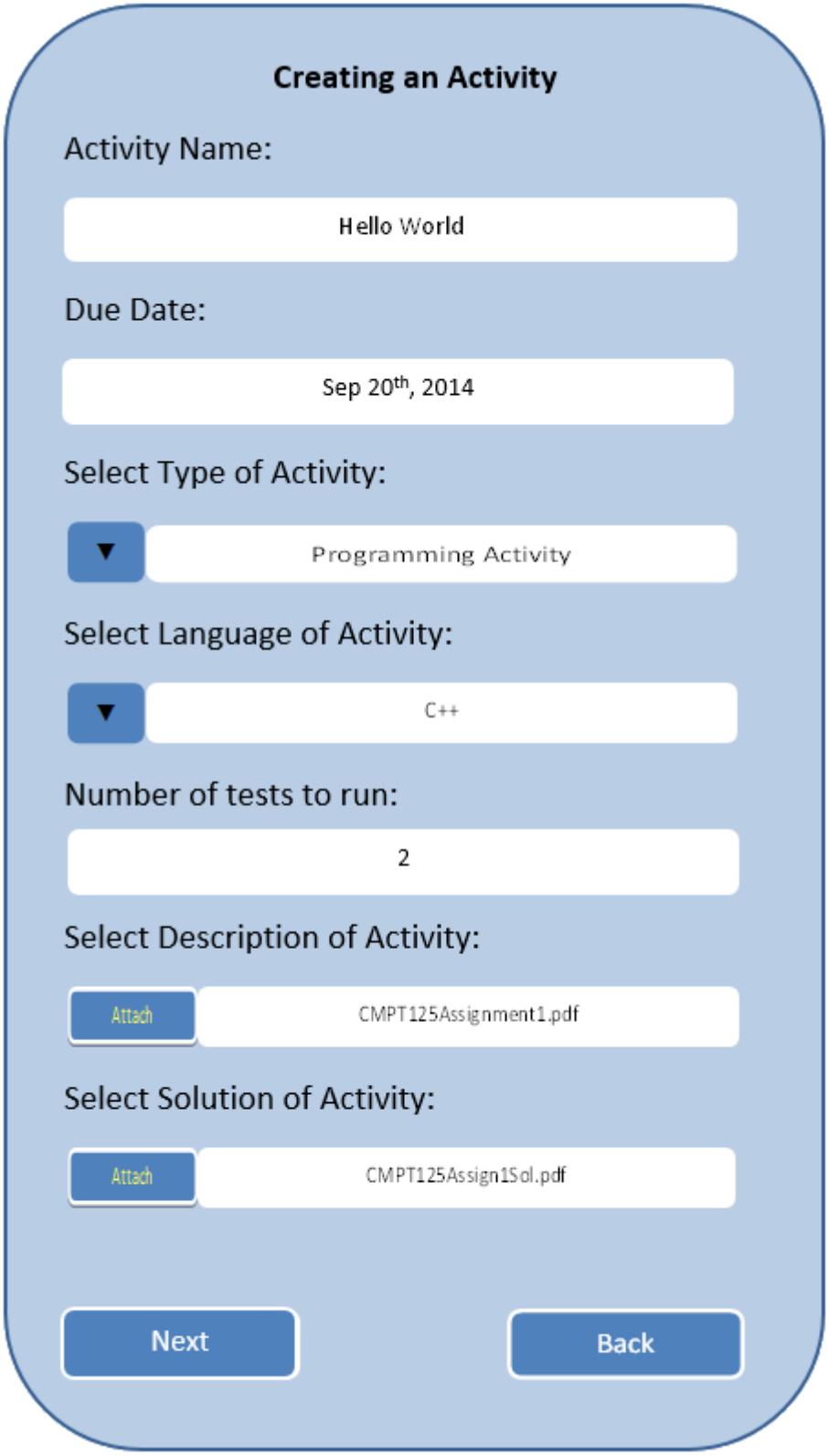


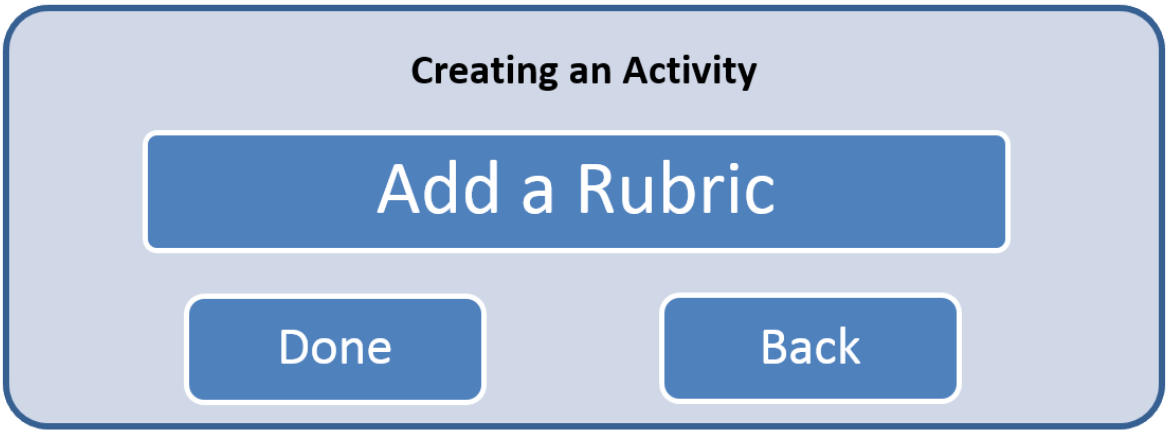

Summary:

After selecting a course, three options will be presented: Manage Activities, Manage Rubrics, and Manage Grades. The instructor needs to choose one of the options to progress.

Scenario: Instructor, Bob, creates a programming activity "Hello World".


Question to be asked during the meeting: Should there be a place to show the list of activities the course currently have?


Creating an Activity
Activity Name:
Hello World
Due Date:
Sep 20th, 2014
Select Type of Activity:
Programming Activity
Select Language of Activity:
C++
Number of tests to run:
2
Select Description of Activity:
Attach
CMPT125Assignment1.pdf
Select Solution of Activity:
Attach
CMPT125Assign1Sol.pdf
Next
Back




Summary: Instructor clicks the "Create an activity" button to progress. After clicking, the Instructor needs to fill in all the attributes as shown above. The Instructor also needs to provide a file path for the solution and the description by clicking the "Attach" button. To finalize the creation, click "Confirm". Or if the Instructor wants to go back to previous page, click "Back"

Scenario: Instructor, Bob, modifies an activity Hello World by changing C++ to Java.

## Modifying an Activity

Activity Name:

Hello World

Due Date;

Sep 20th, 2014

Select Type of Activity

▼ Programming Activity

Select Language of Activity

▼ Java

Number of tests to run:

2

Select Description of Activity

Attach CMPT125Assignment1.pdf

Select Solution of Activity

Attach CMPT125Assign1Sol.pdf

Next Back

Summary:

To modify an activity, the instructor firstly needs to select an activity that is going to be worked on. After selection, the instructor needs to fill in the attributes just like the creation of an activity.

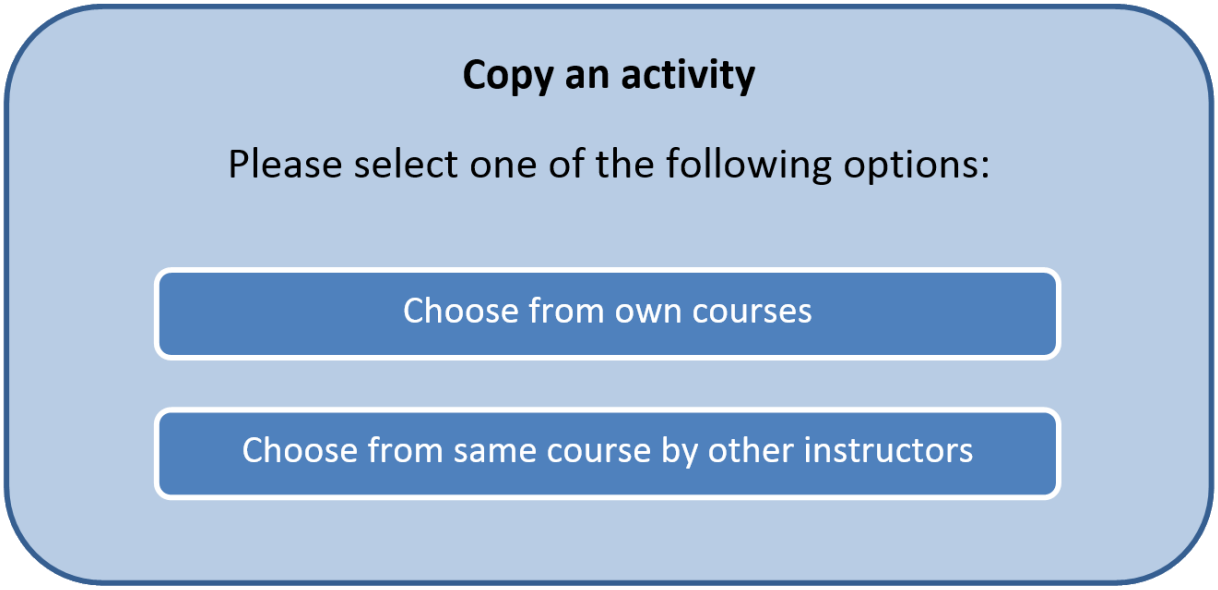
Question: Will the format for modifying an activity be the same as the format for creating one?

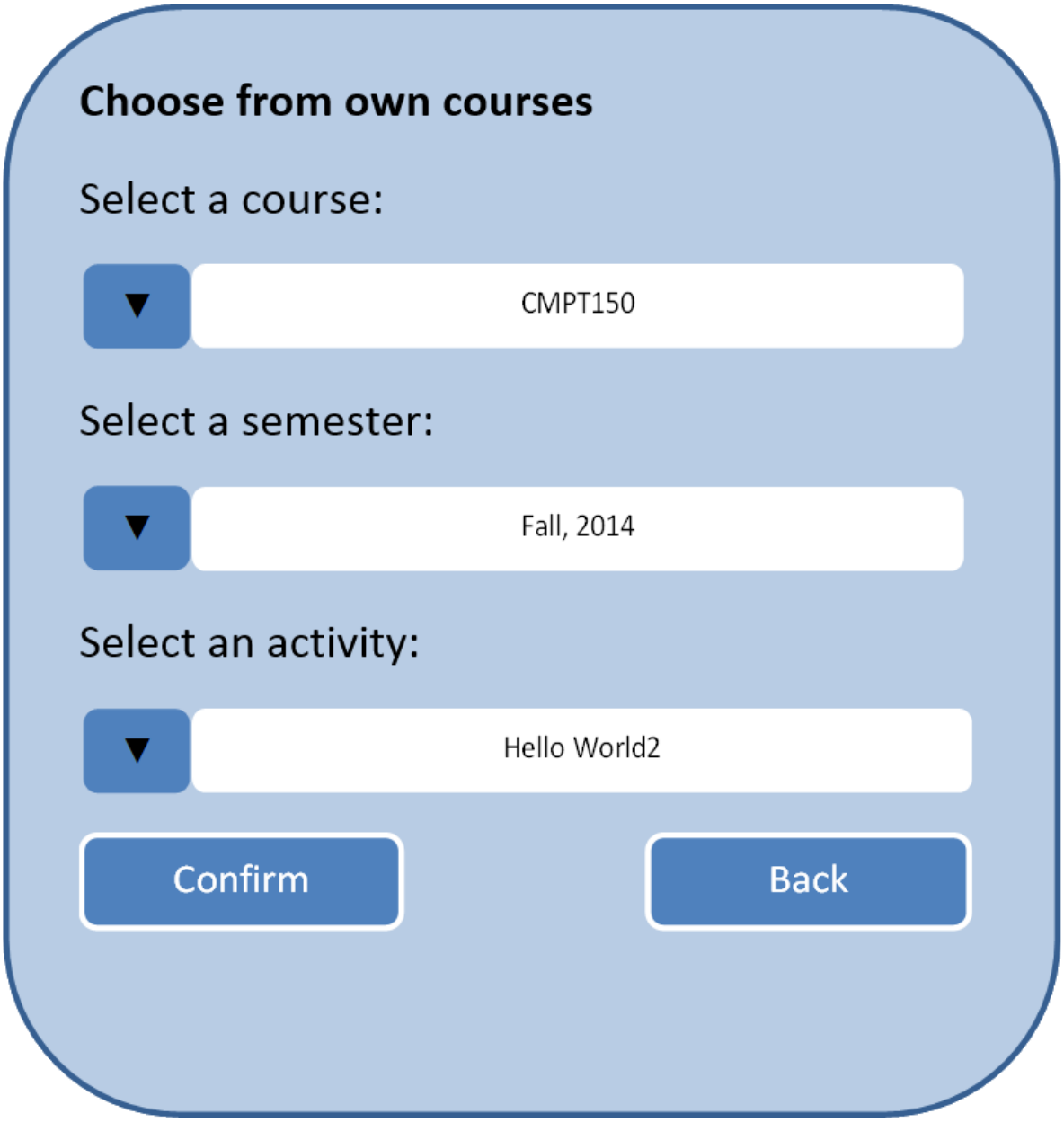
Scenario: Instructor deletes an activity "Hello World".

Summary:

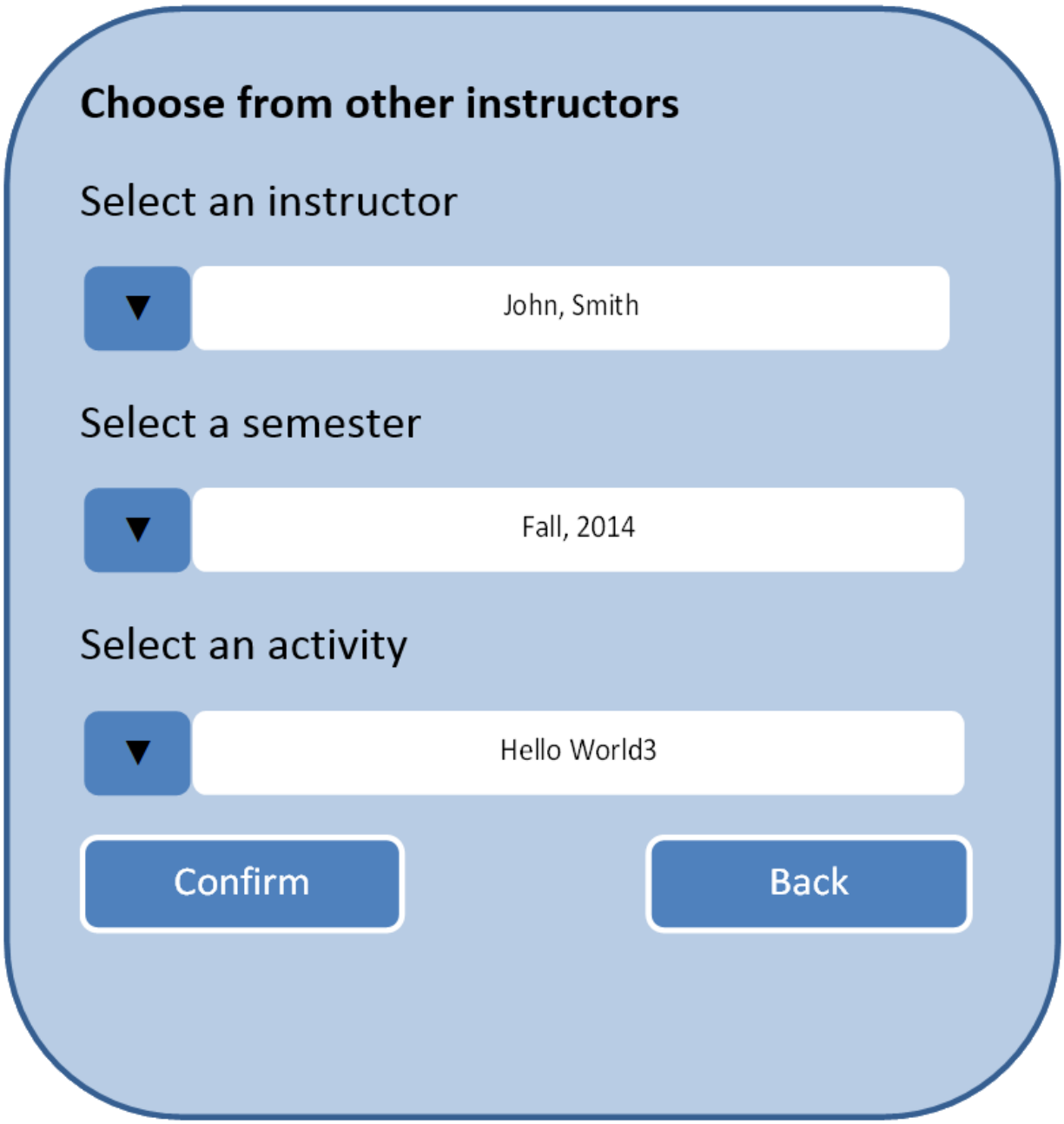
After clicking, "Delete an activity", Instructor needs to select the activity and click "Delete" button to finalize the deletion. Again, pressing the "Back" button will bring back the previous page

Scenario: CMPT 125 Instructor, Bob, copies an activity from courses taught by himself CMPT 150 in fall 2014






Scenario #5-2: CMPT 125 Instructor, Bob Chen, copies an activity from other instructor, John Smith, from fall 2014



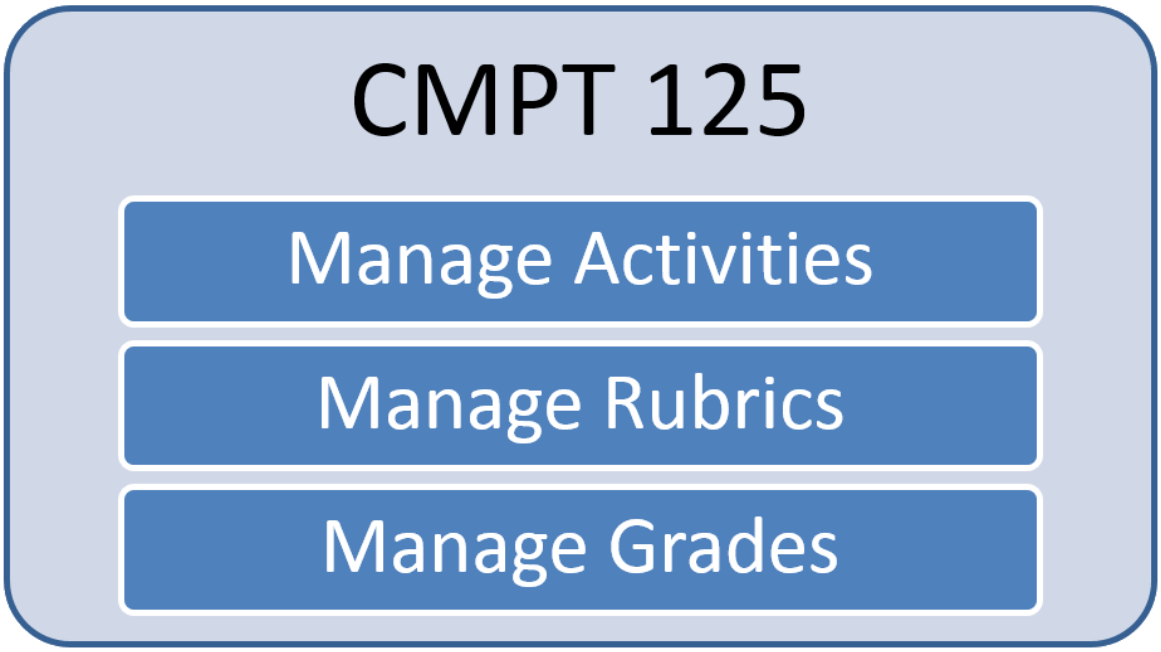

Summary:

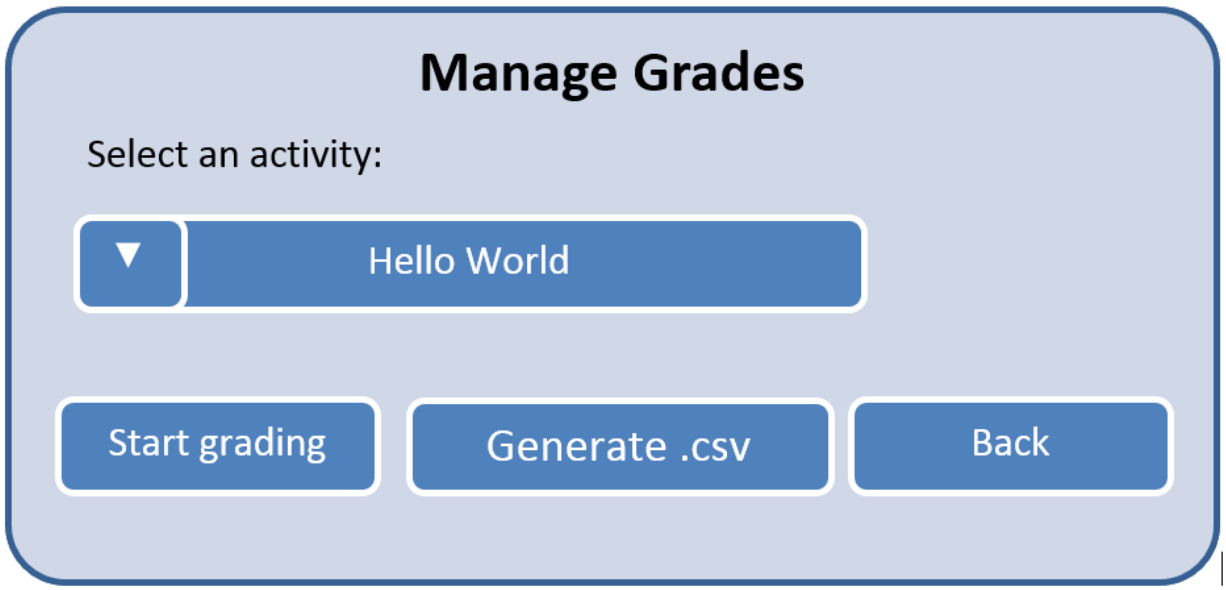
For copying an Activity, the instructor has two options at the first place: Choose from own courses, and Choose from same course by other instructors.

Question to be asked during the meeting: Can all activities be copied?

Use Case: Managing grades

Scenario: CMPT 125 instructor Bob grades John Smith's programming assignment Hello World (Colin)



Question to be asked during the meeting: Is there an option to view class grades for the course?

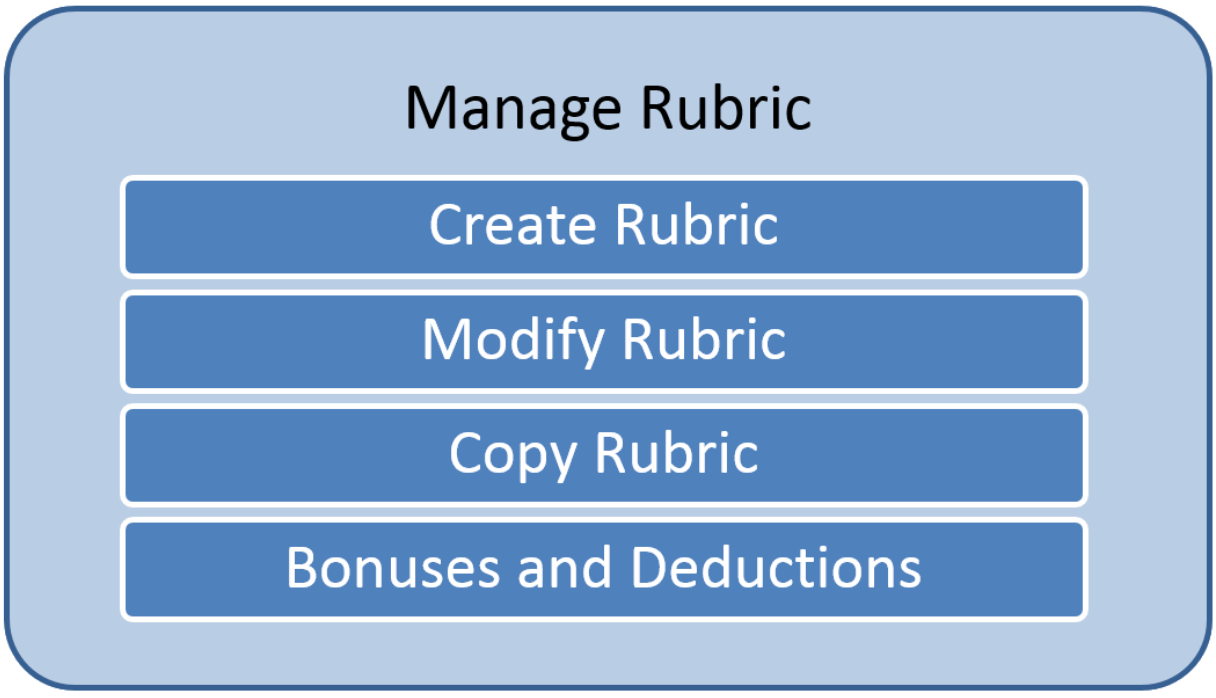
Summary:

After manage grades option is selected, the instructor is prompted to choose an activity so that she/he can modify the grade for it.

Use Case: Instructor and administrator can create, modify, and copy a rubric and add bonus and late policy to a rubric

There are two scenario that a rubric can be managed:

1. Instructor chooses to manage rubric
2. Administrator chooses to manage rubric

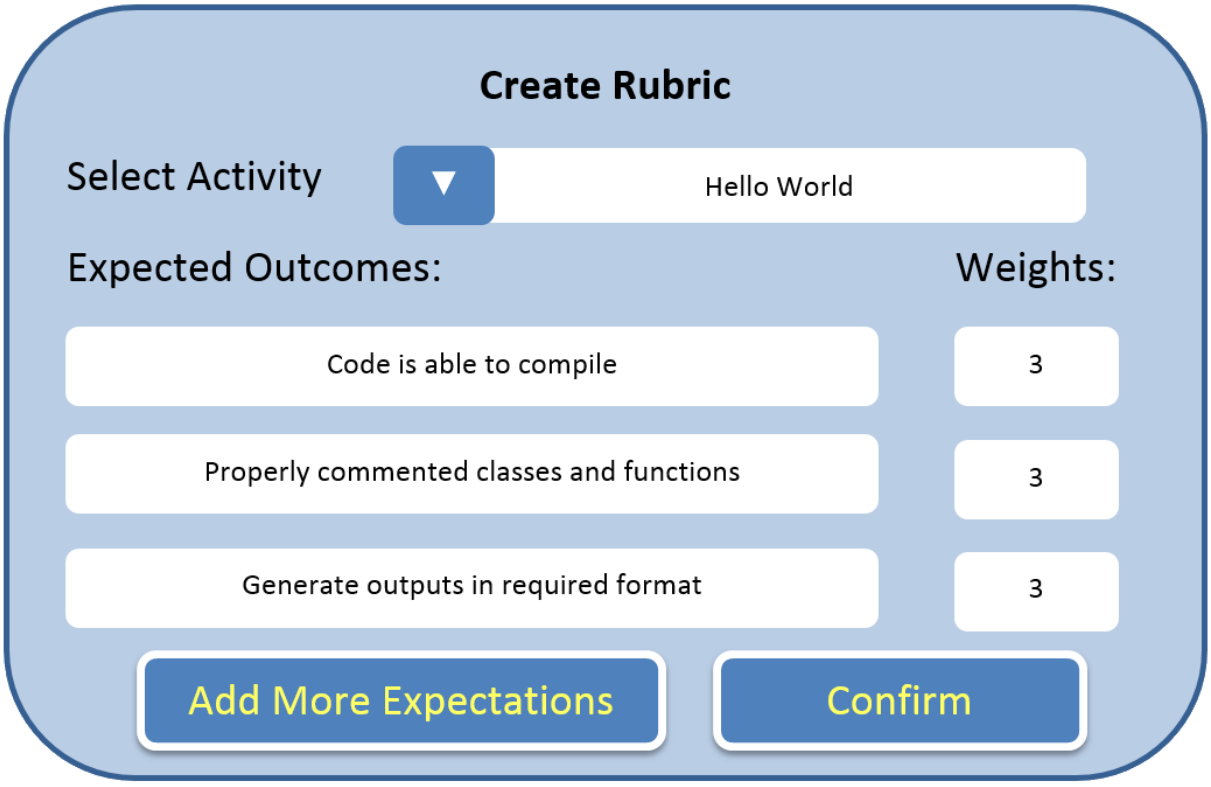


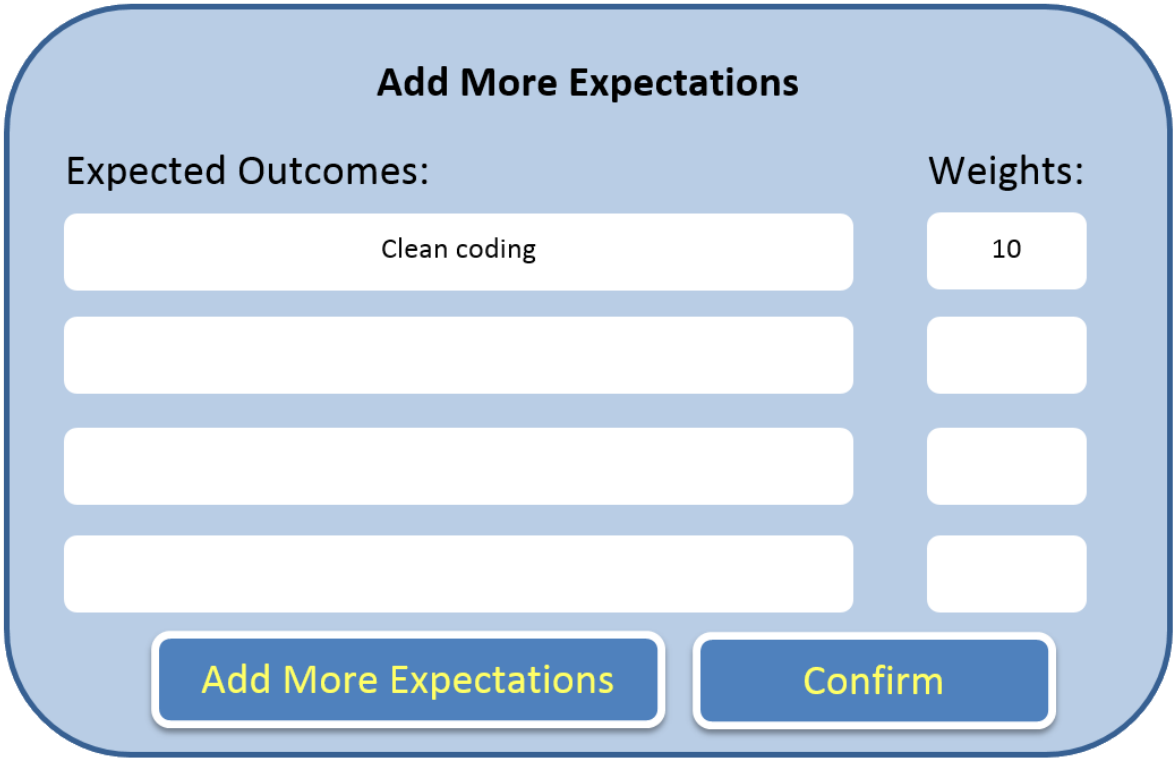
Summary:

An instructor or administrator will be presented with this interface which includes the buttons to create, modify, and copy a rubric and add bonuses and deductions to a rubric.

There are two scenarios that a rubric can be created:

I. Instructor chooses to create a rubric
II. II. Administrator chooses to create a rubric



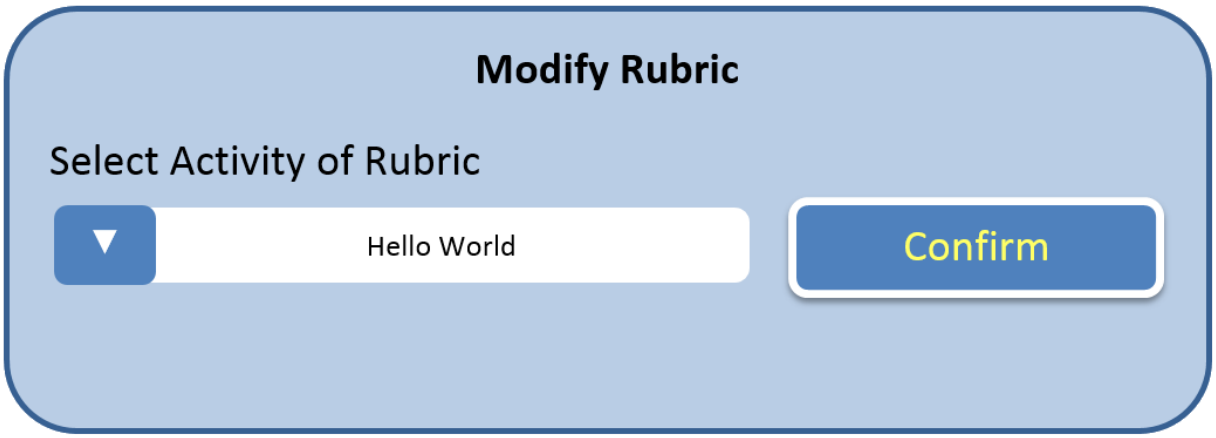


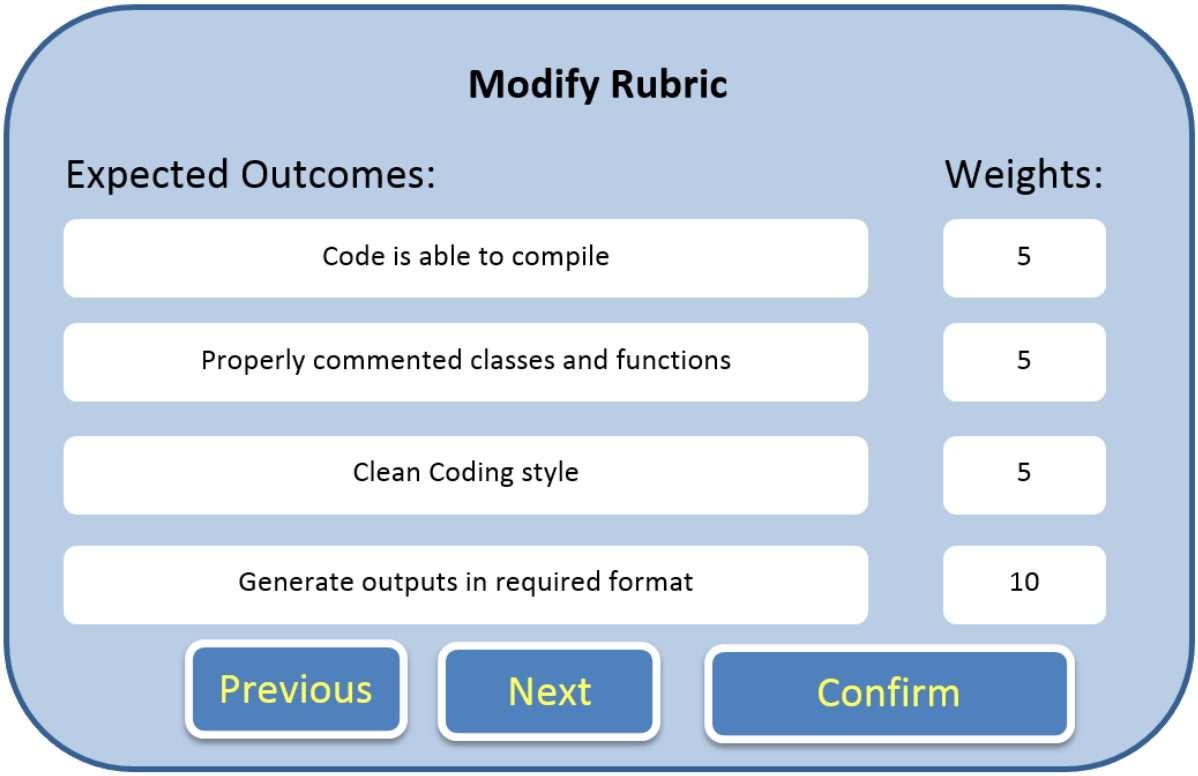

Summary:

An instructor or administrator will be presented with this interface where he or she will choose an activity to assign the rubric to and list out the expected outcome and weight for each requirement. If the instructor or administrator decides add more expectations, “Add More Expectations” can be used to add more requirements.

There are two scenarios that a rubric can be modified:

I. Instructor chooses to modify a rubric
II. II. Administrator chooses to modify a rubric




Summary: An instructor or administrator will be presented with this interface where he or she will choose an activity to modify the rubric from. After choosing confirm, the interface will list out the expected outcome and weight for each requirement. If he or she decides to navigate through the expectations, previous and next buttons can be used.

There are two scenarios that a rubric can be copied:

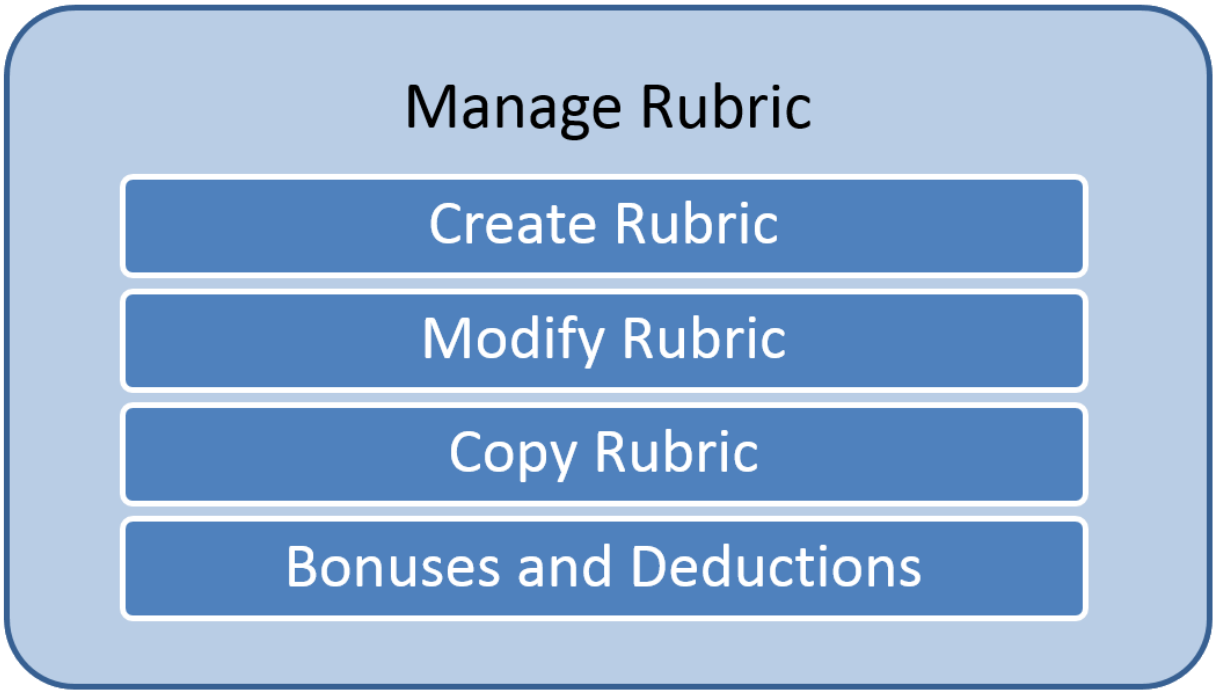
I. Instructor chooses to copy a rubric
II. II. Administrator chooses to copy a rubric

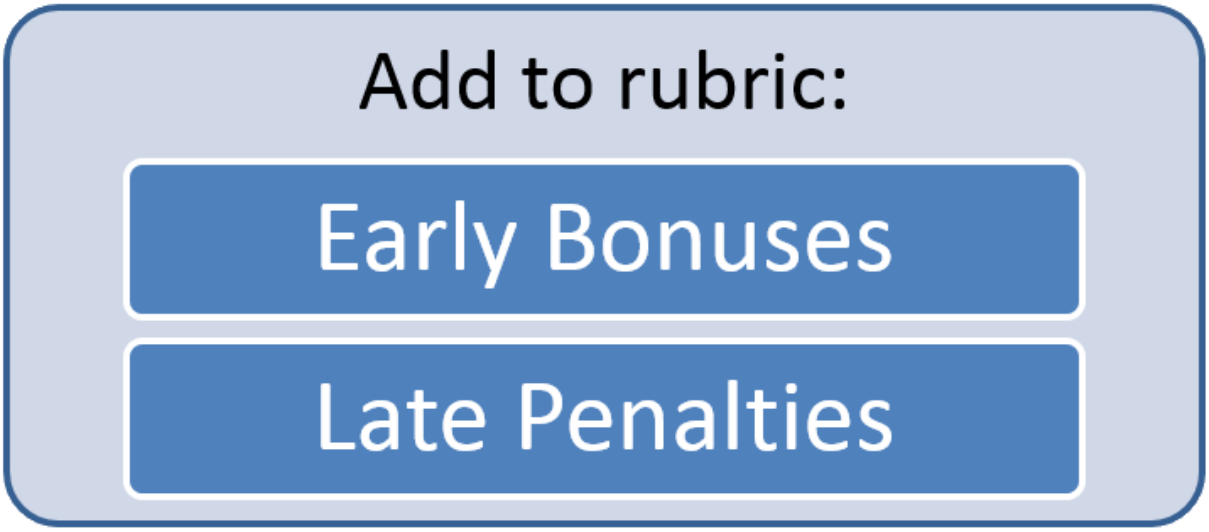

Summary:

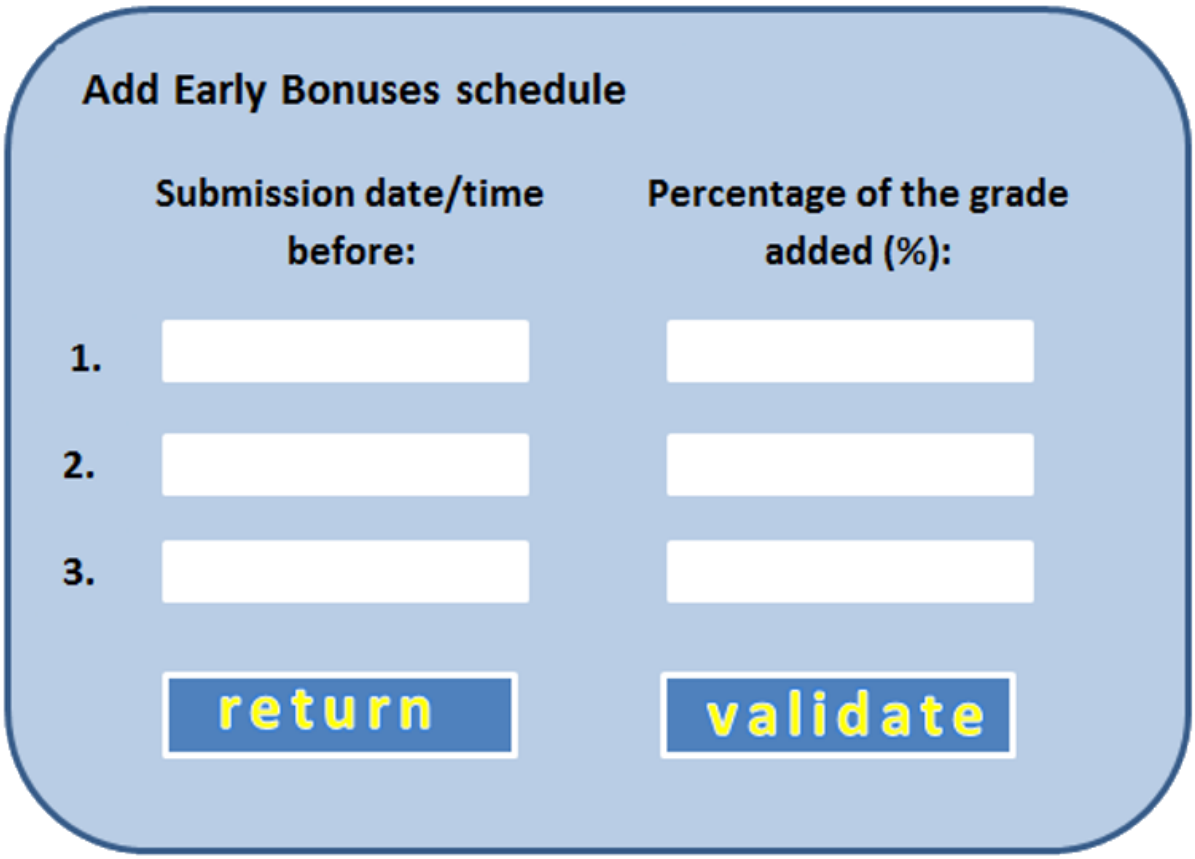
An instructor or administrator will be presented with this interface where he or she can use the drop down buttons to select and assign a rubric from the previous offerings into an activity.

Use Case: Grading a programming activity

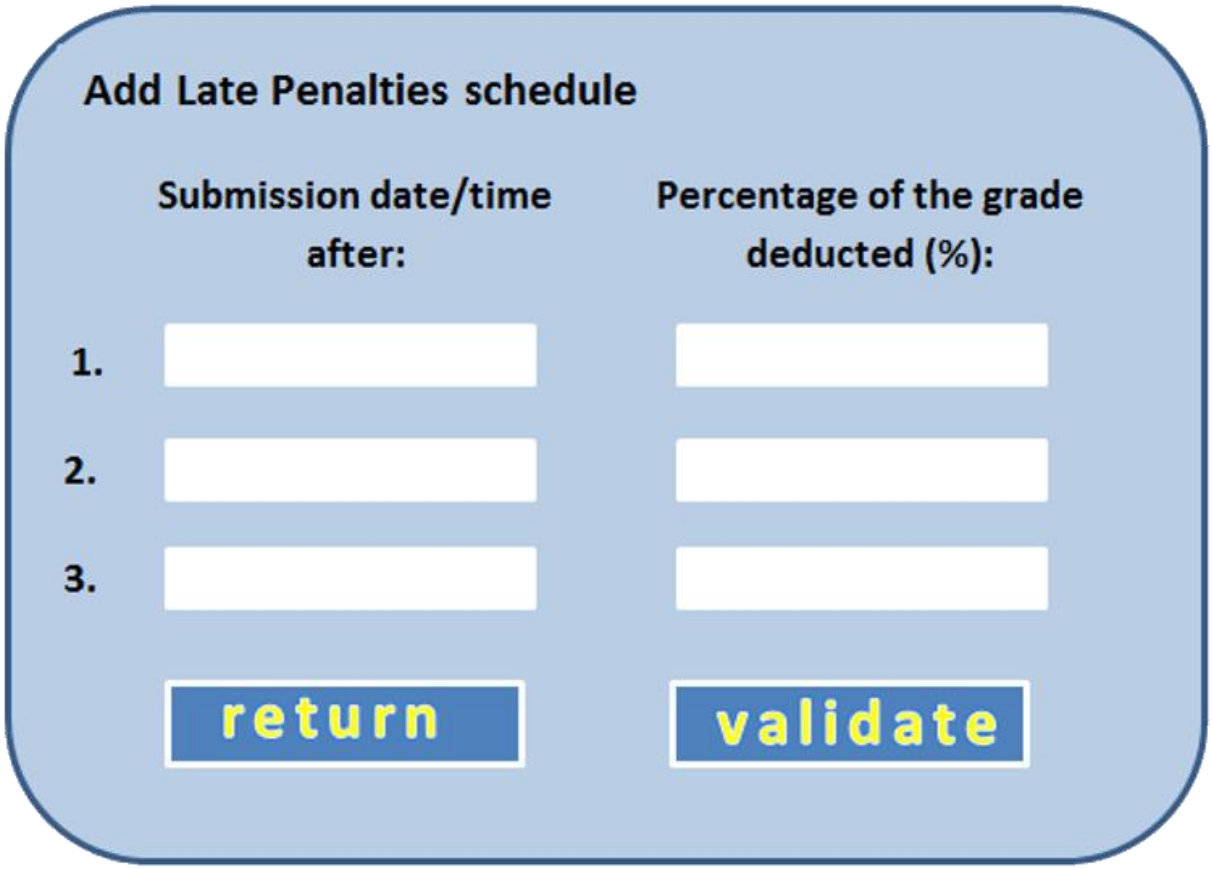
Scenarios: The instructor of CMPT 125 (Bob Chen, Fall 2014) decides to give some bonuses to students who finish assignment early, 1 to 3 days before the due date.




Add to rubric:
Early Bonuses
Late Penalties


Add Early Bonuses schedule
Submission date/time before:
Percentage of the grade added (%):
1.
2.
3.
return
validate

Scenarios: The instructor of CMPT 125 (Bob Chen, Fall 2014) decides to add late penalty who finish assignment late, 1 to 3 days before the due date.




Summary:

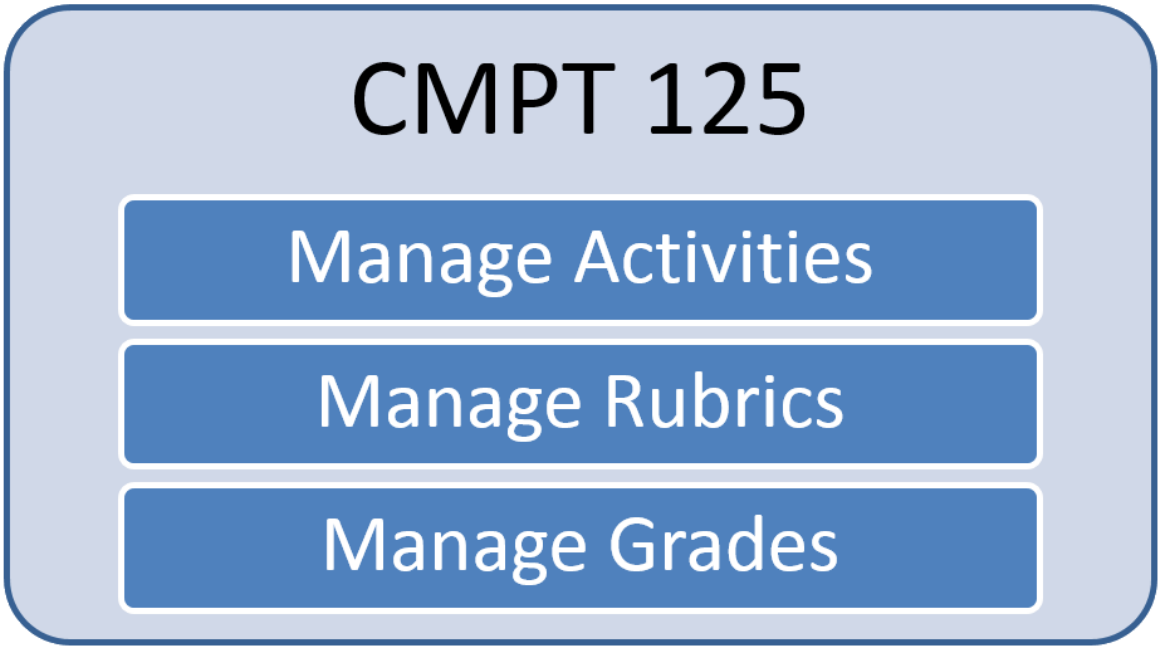
The Instructor will enter or modify the rubric of a course, then the instructor can choose whether add early bonus and late penalty policies or not. In the screen of early bonus and late penalty schedule, Instructor can enter up to three possible dates and time for early submission and late penalty, and enter the percentage of the grade to be added or deducted to that date and time, respectively.

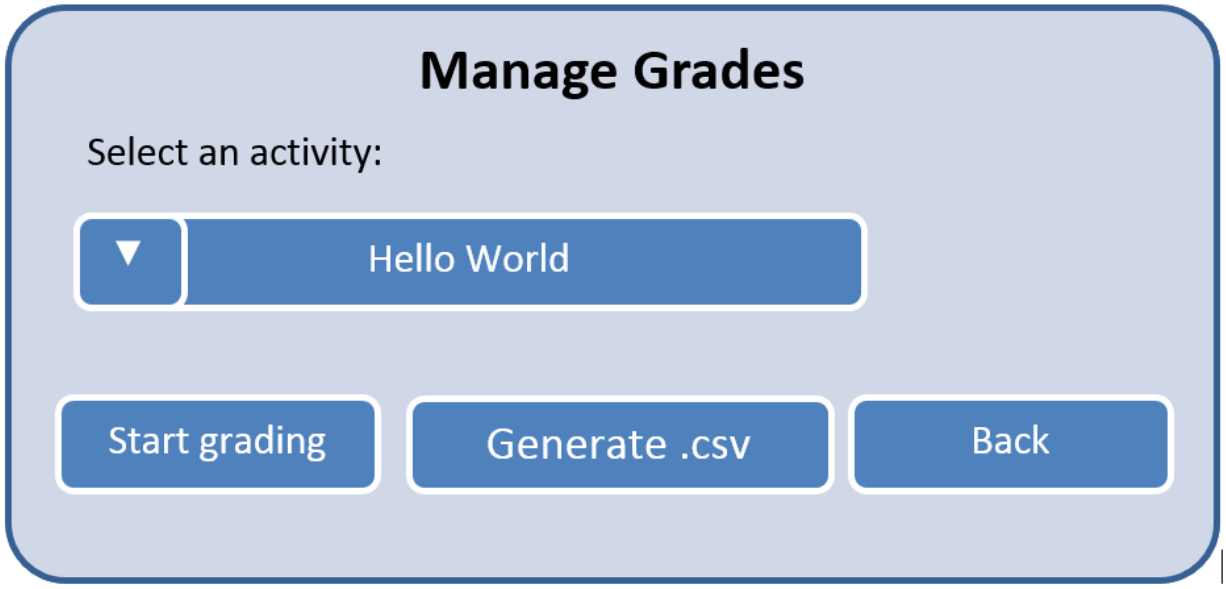
Questions to be asked during the meeting:

- When should the Instructor decide and enter the due time of each activity?
- Is there limit on the percentage of grade to be added or deducted? 0% ~100%?

# Teaching Assistant

Scenario: The instructor of CMPT 125, Bob, wants to have a list of his students' grade to see the performance of students for a particular activity, Hello World. i.e. Generating a csv file of students' assignments grade (grade of activities in the rubric)





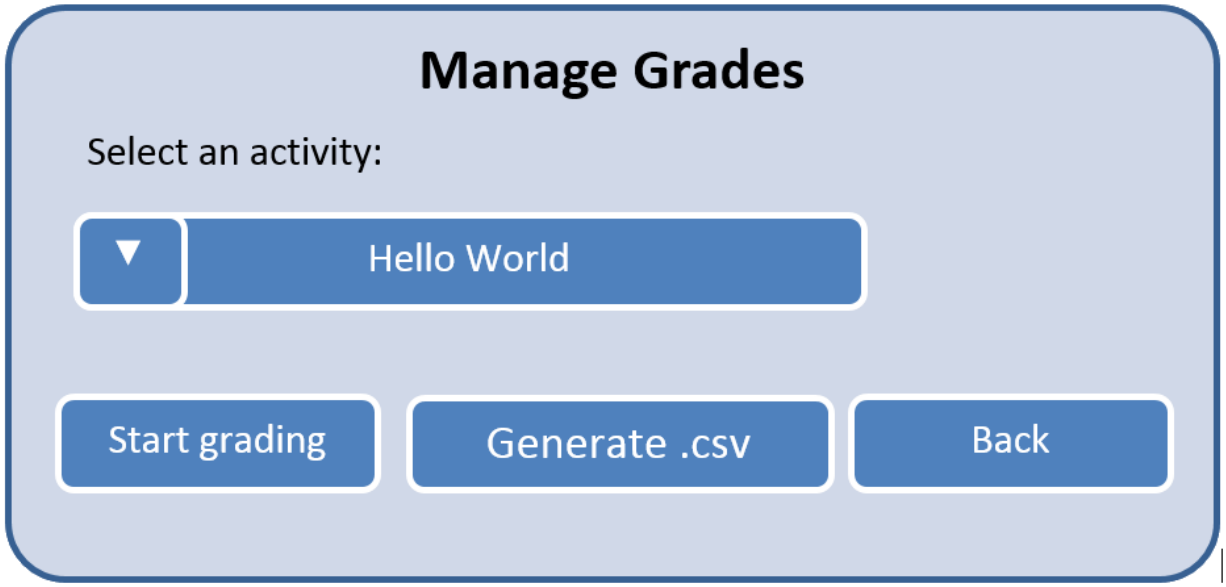

Summary:

After press “generate”, the system will convert the grade data stored in the database into a csv file, then user can open and save it.

Question to be asked during the meeting:  Can the system have the functionality to generate the grades for all activities for the entire course?

Scenario: the marker of CMPT 125 wants to regrade an activity or activities for a student or all students

i. Marker wants to regrade a particular student’s grade for certain activity
ii. ii. Marker wants to regrade all students grade for certain activity
iii. iii. Marker wants to regrade a particular student’s grade for all activities
iv. iv. Marker wants to regrade all students grade for all activities

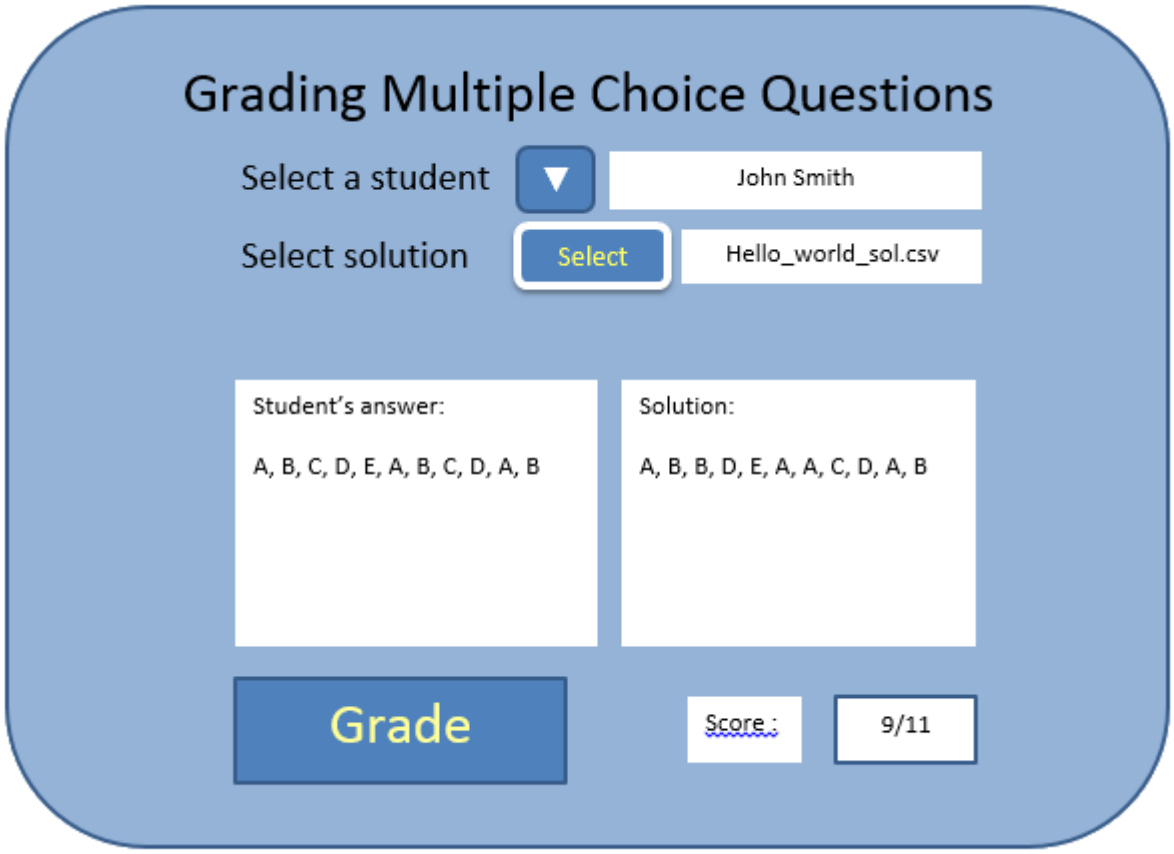



Summary:

* If no activity is chosen, then all activities will be regraded

* If no student is chosen, then all students will be regarded

Scenarios: Grading Multiple Choice Questions

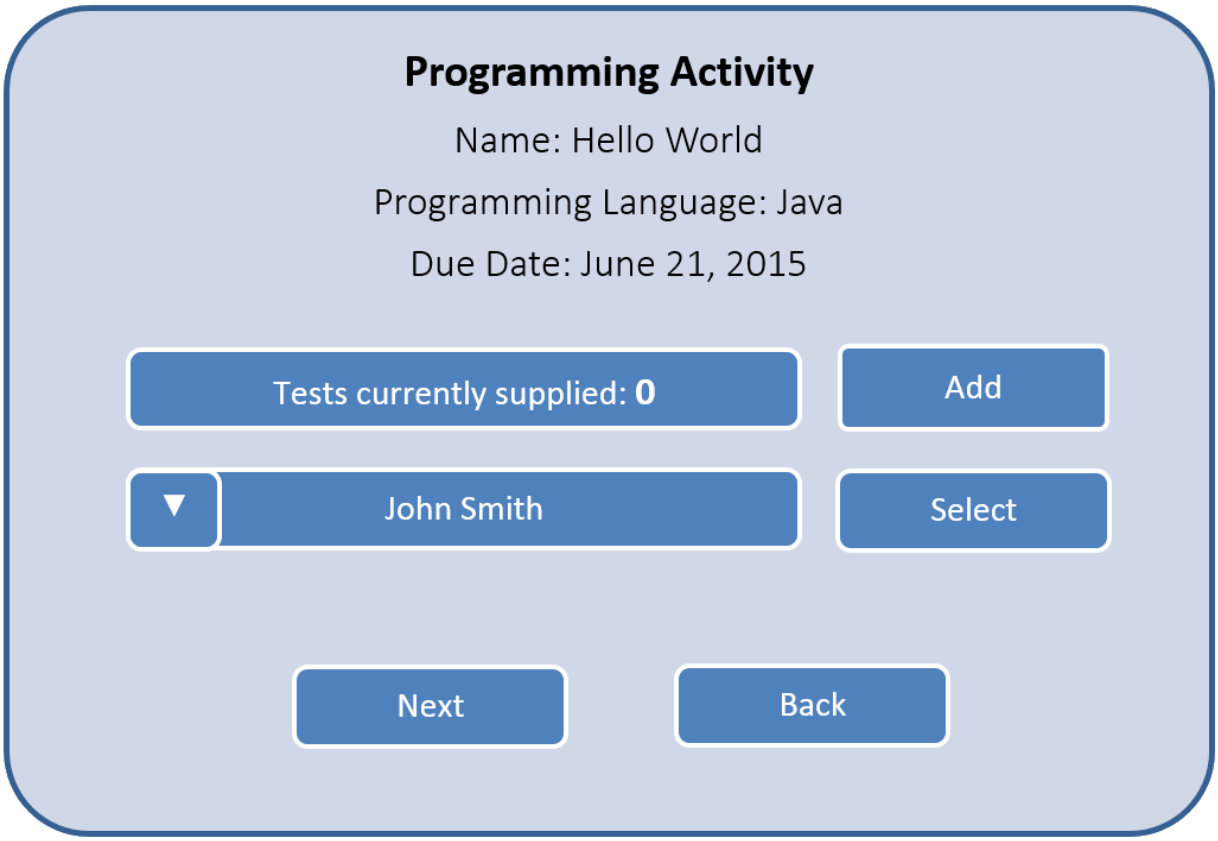


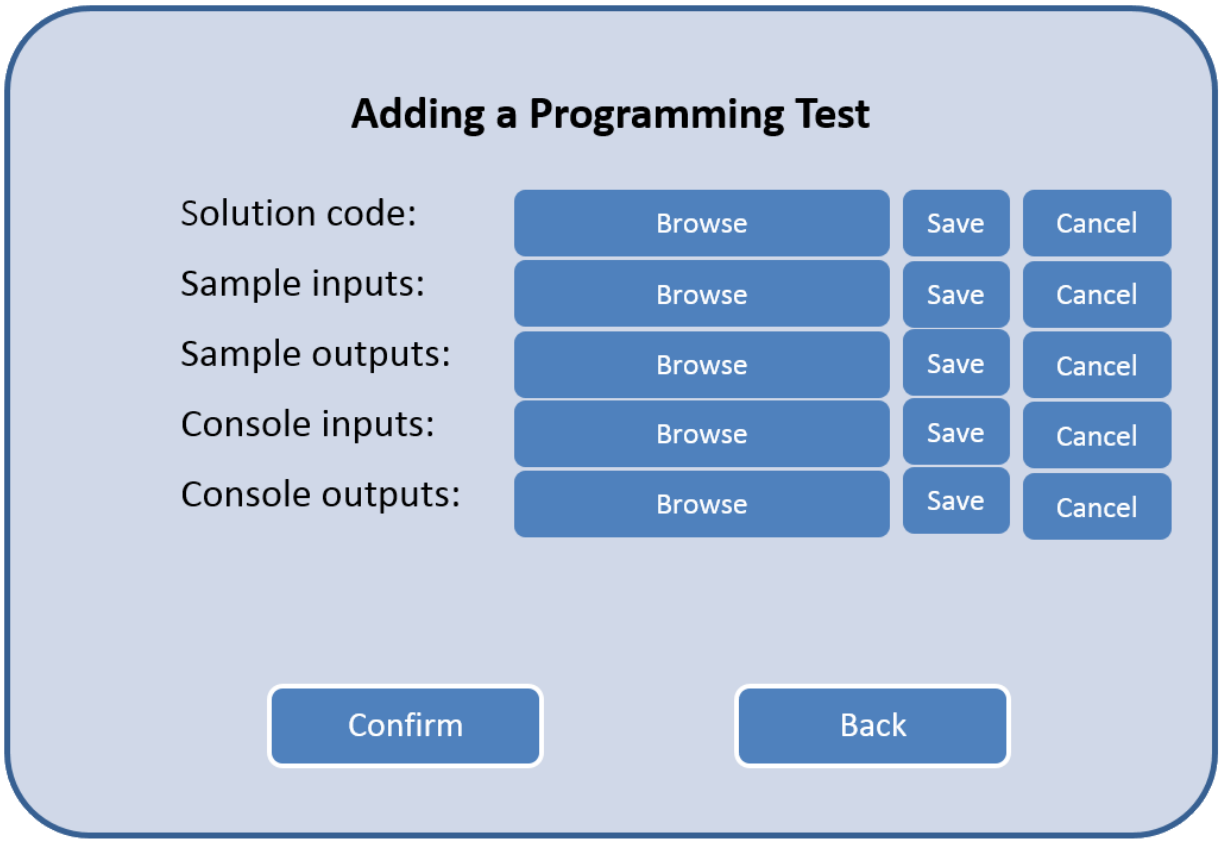

Summary:

Use ComboBox select and the target student for grading. Click "grade" button student score will display in the result text area.

Use Case: Grading a programming activity

Scenario: A CMPT 125 instructor, Bob, prepares to grade a Java programming assignment. (Assuming the activity and rubric have already been created)





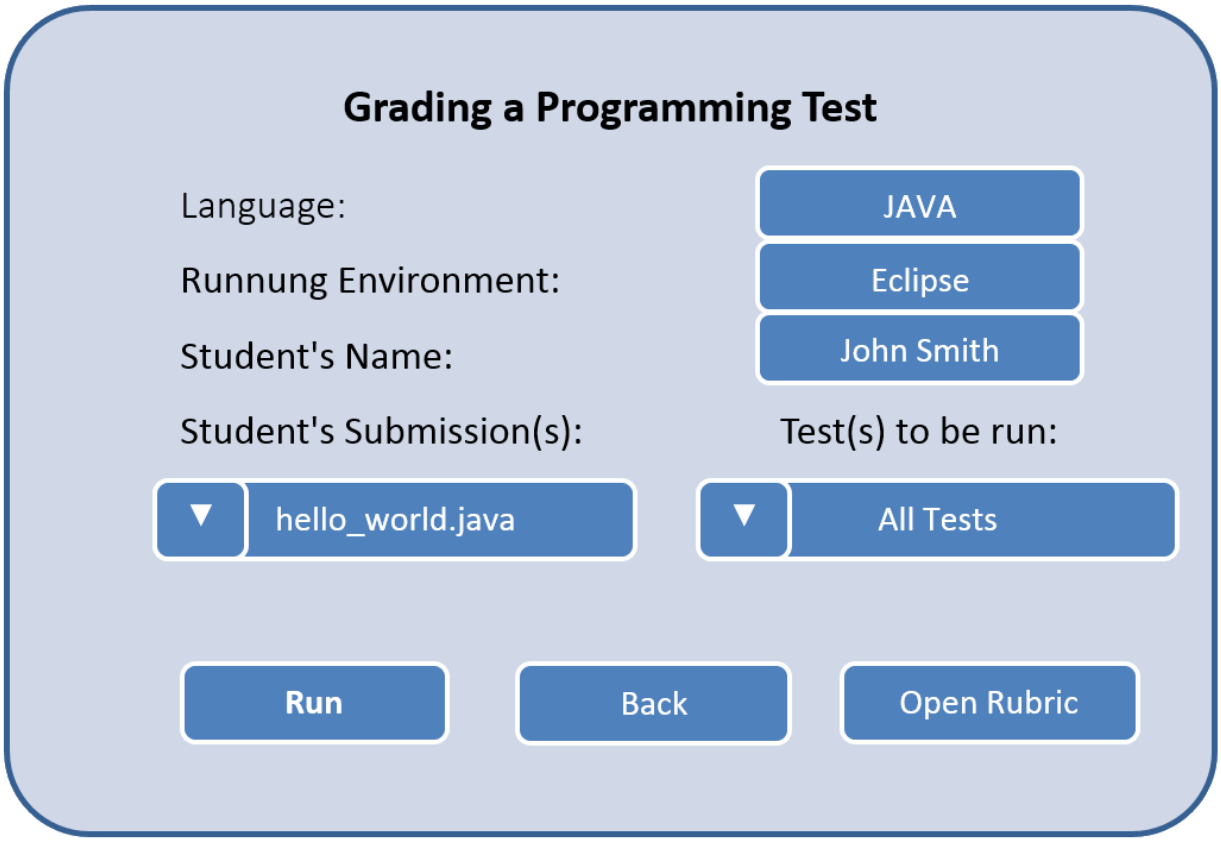


Summary:

To prepare to grade a programming assignment, the system helps the instructor to assemble all the necessary input and output files.

Question to be asked during the meeting: Can the system grade multiple student at once? Or just one student at a time for programming activity?

Scenario: A CMPT 125 instructor, Bob, grades a Java programming assignment.



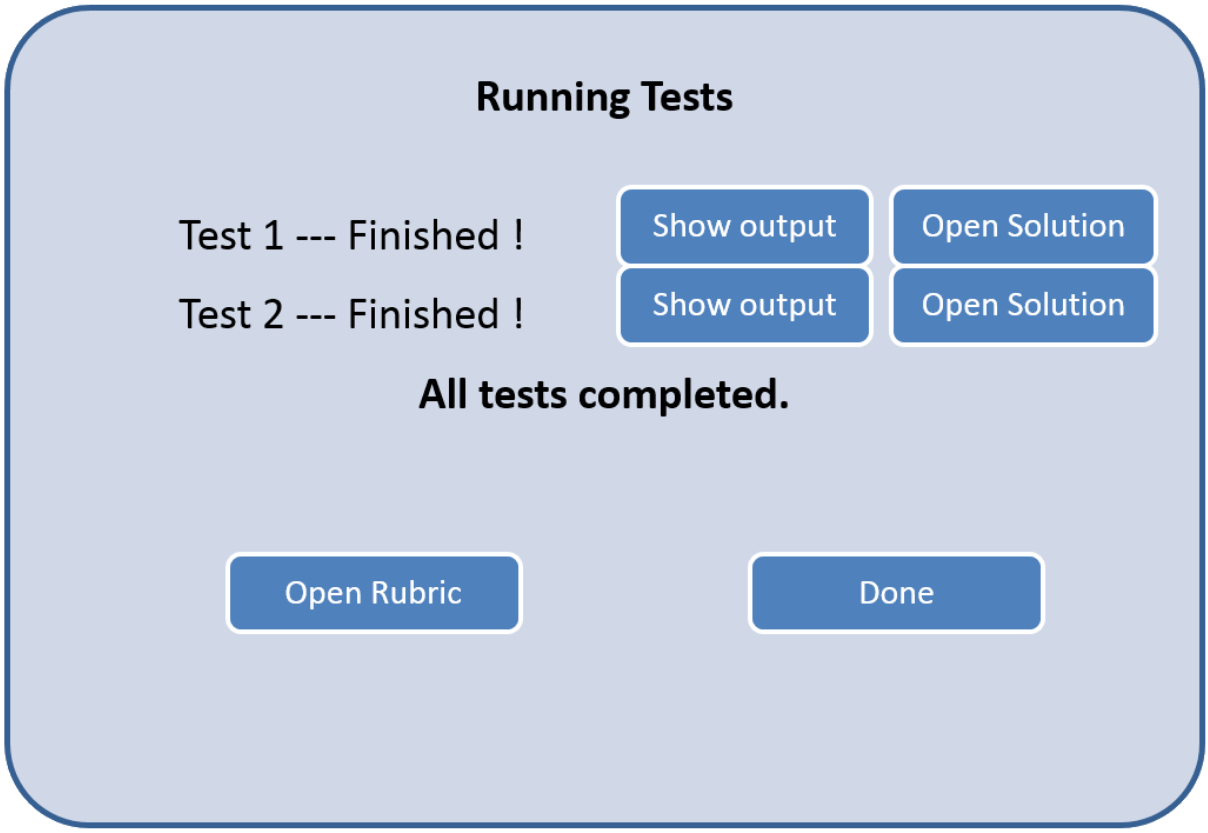
a) Submitted Code did not compile


Summary:

The instructor specifies the language, tests to be run, and which of the student's submissions is to be graded. However, the student's code did not compile.

Question to be asked during the meeting: Is there an option to choose for a specific running environment? Or the tests are just run by the system?

b) Submitted Code compiled.

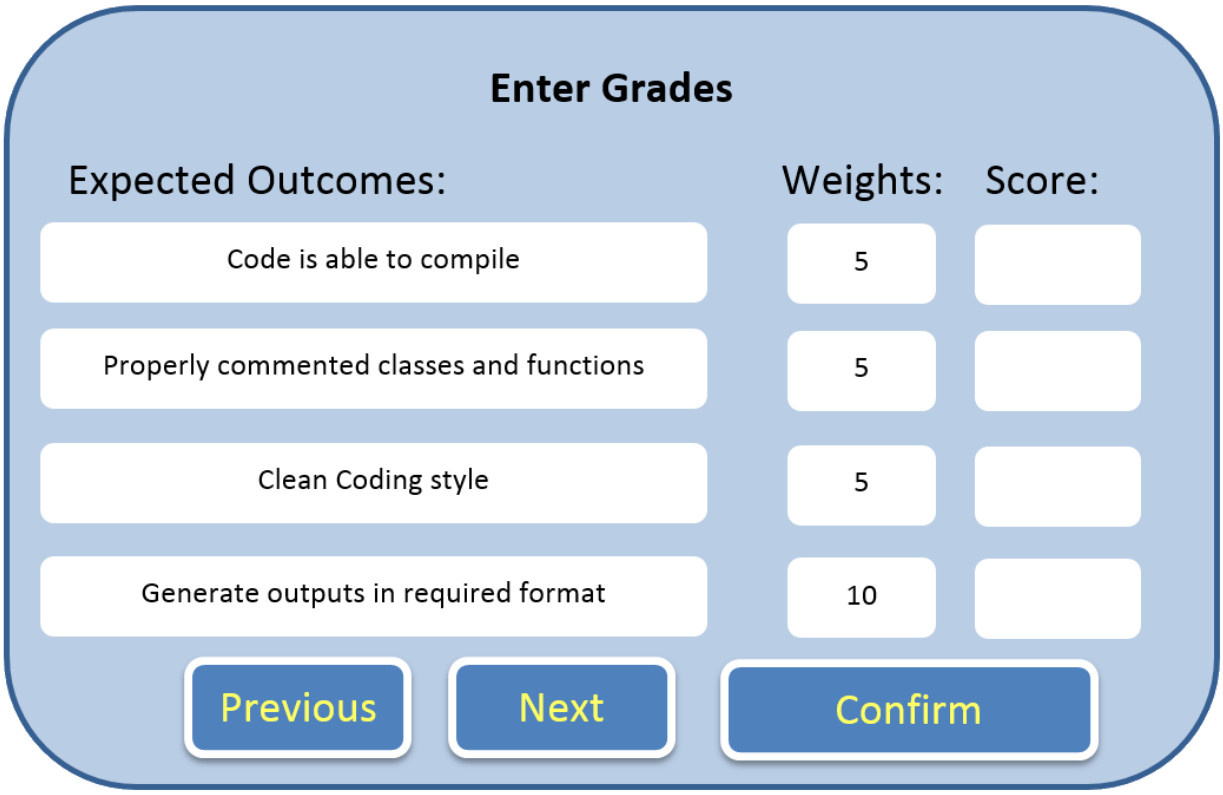



Summary:

The student code compiles, and the tests are all finished running. The instructor is able to choose to display each of the running test's output, the solution to that test, and rubric with no more than one click away.

There are three scenarios that a grade of rubric can be assigned:

I. Instructor marks
II. TA marks
III. Administrator marks



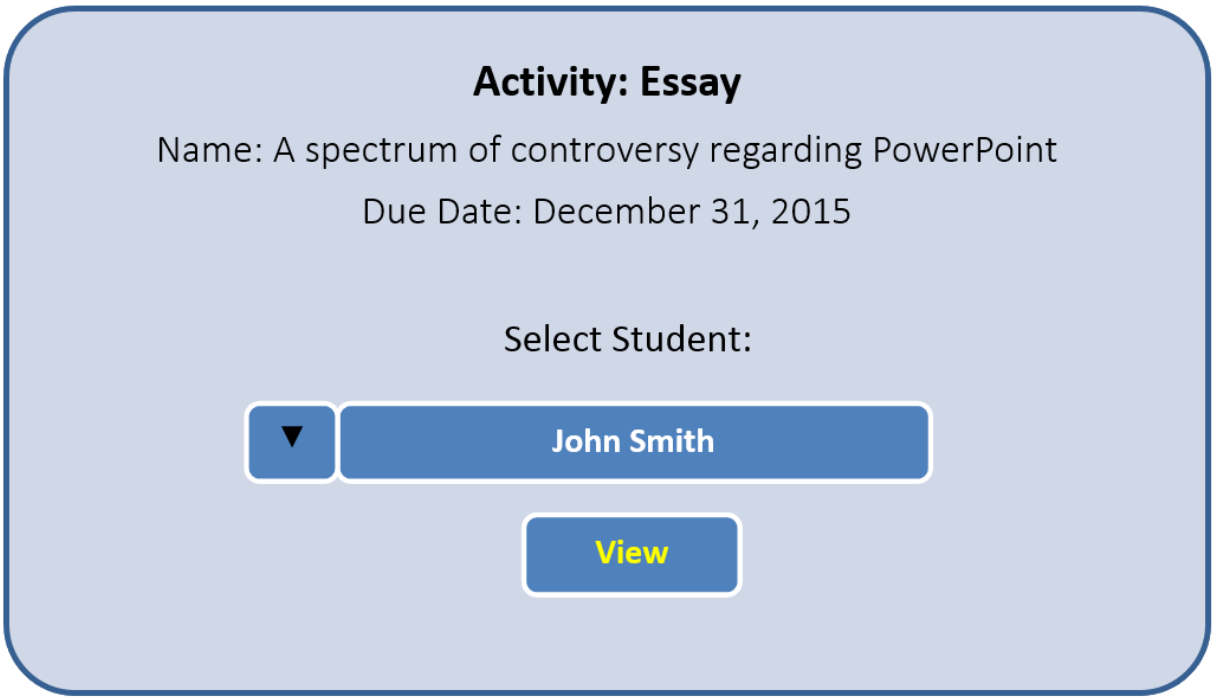


Summary:

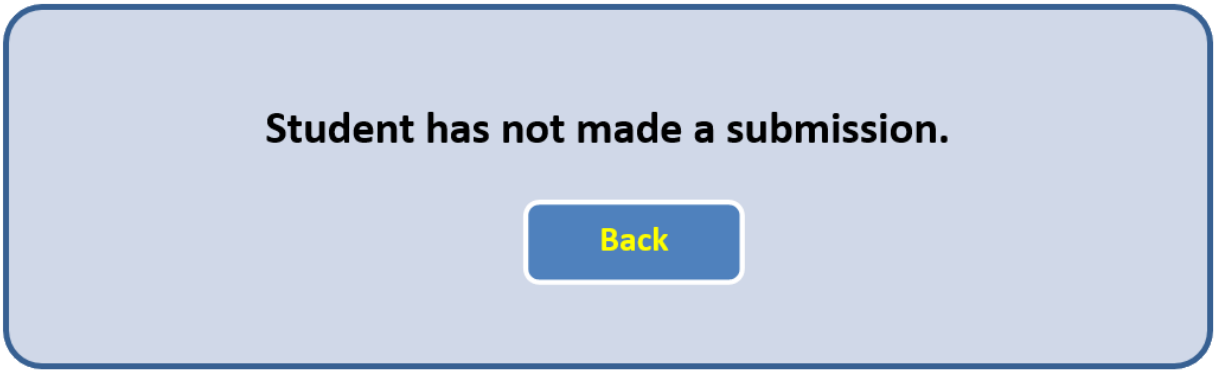
Markers will be presented with this interface where it lists out the expectations and weights for each requirement. The markers can enter the grade beside each corresponding expectation and navigate through the rubric with previous and next buttons.

Use Case: Grading an Essay

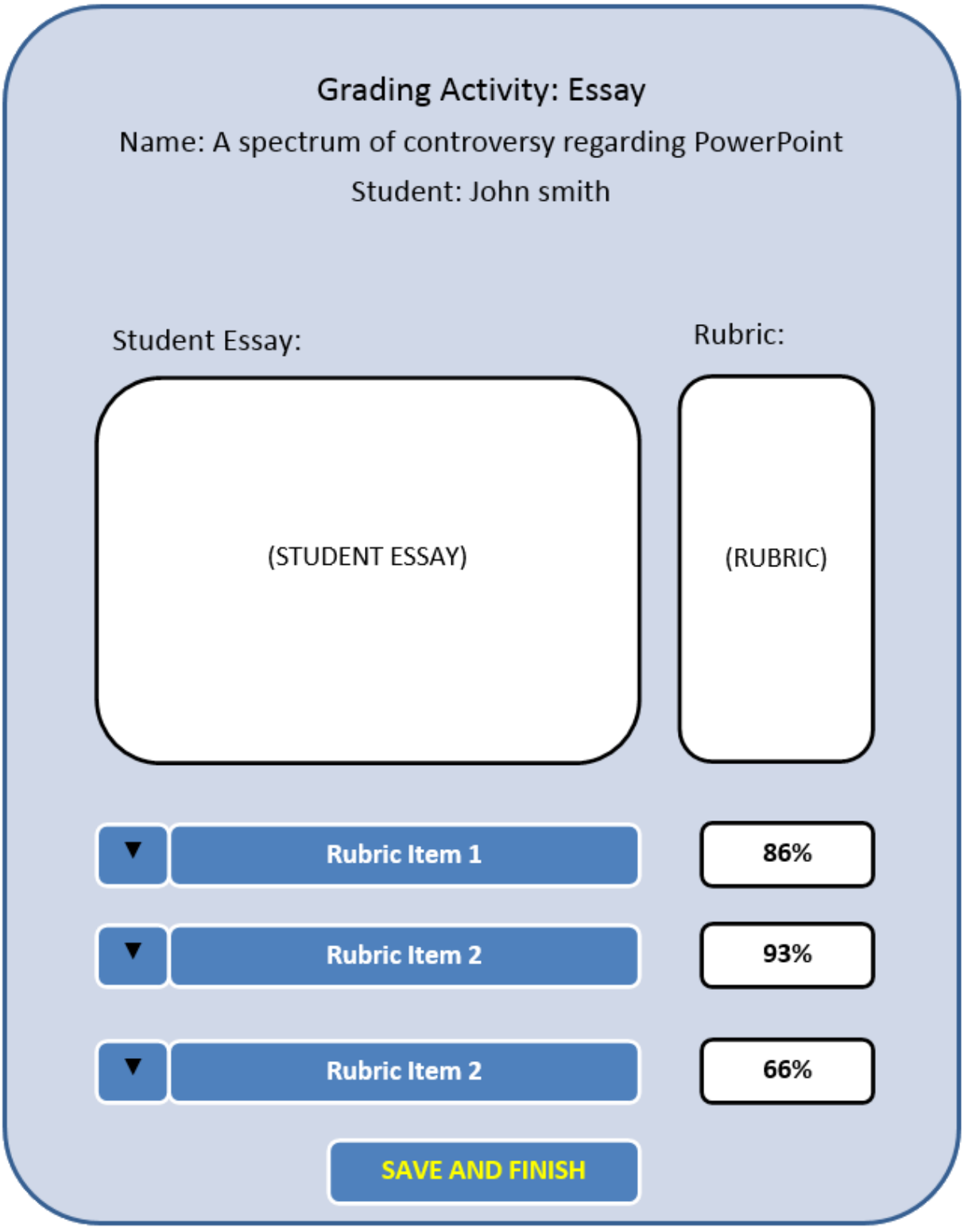
Scenario: Marker selects a student's essay submission of "A spectrum of controversy regarding PowerPoint".



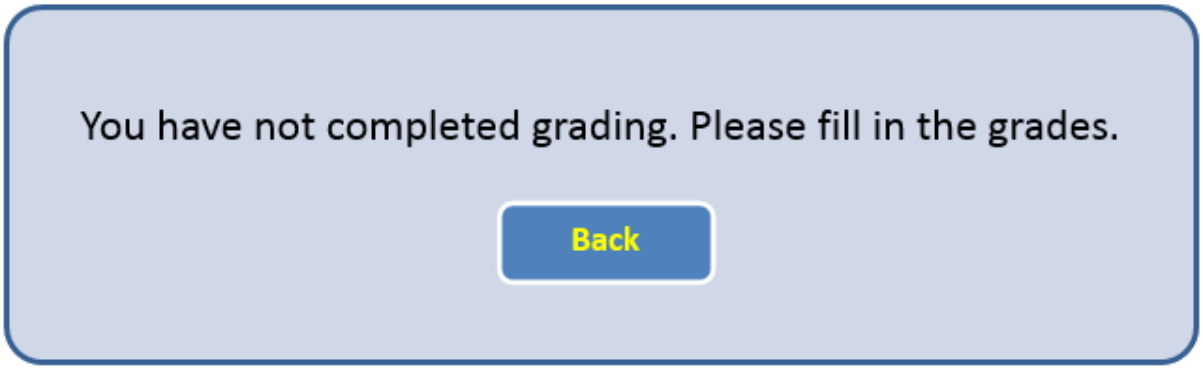

Scenario: Student has not made a submission



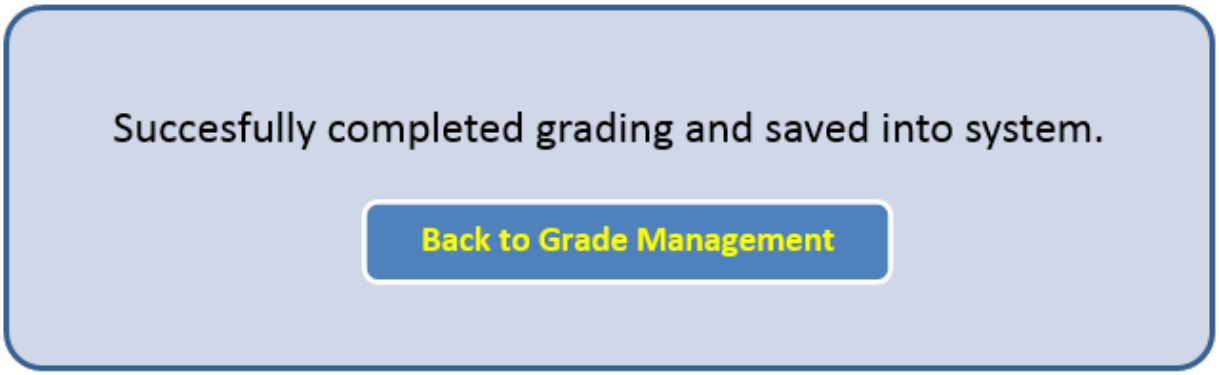
Scenario: Marker modifies the grades for each item in the rubric individually.



Scenario: The marker forgets or simply does not fill in all the blanks.




Scenario: The marker saves and finishes the grading.

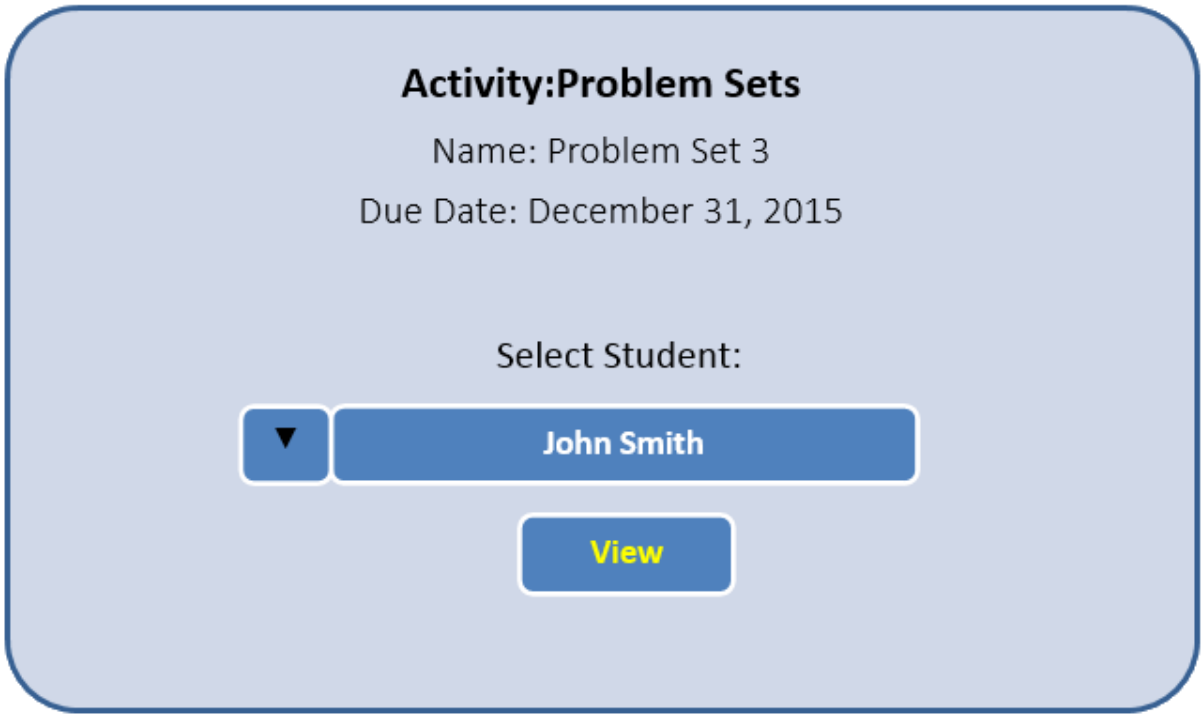



Summary:

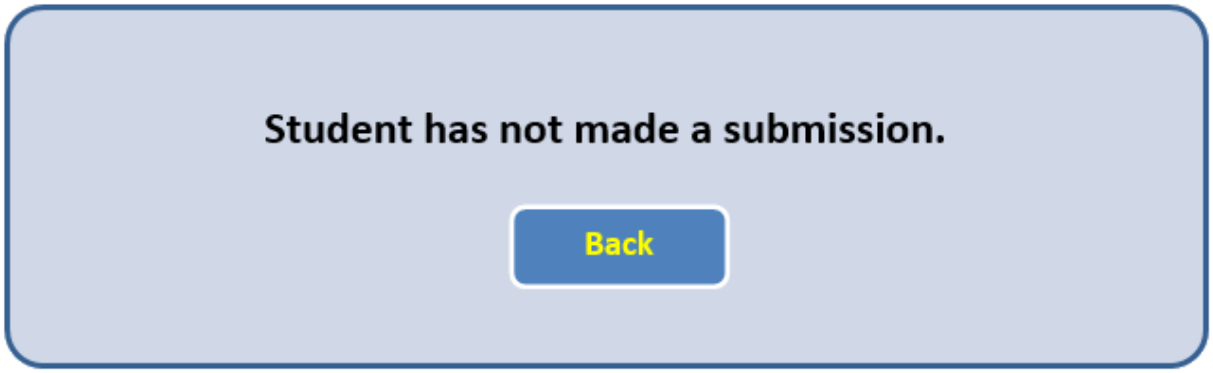
An instructor or TA (marker) prepares to start grading essays and will be presented with the following interface. The marker can select a student's work to grade. The marker is presented with the following essay grading interface(s). The rubric and student essay can be viewed side by side, and the marker enters marks for each item in the rubric individually. When finished, the marker can press 'save and finish' to submit grading.

Use Case: Grading a Problem Set

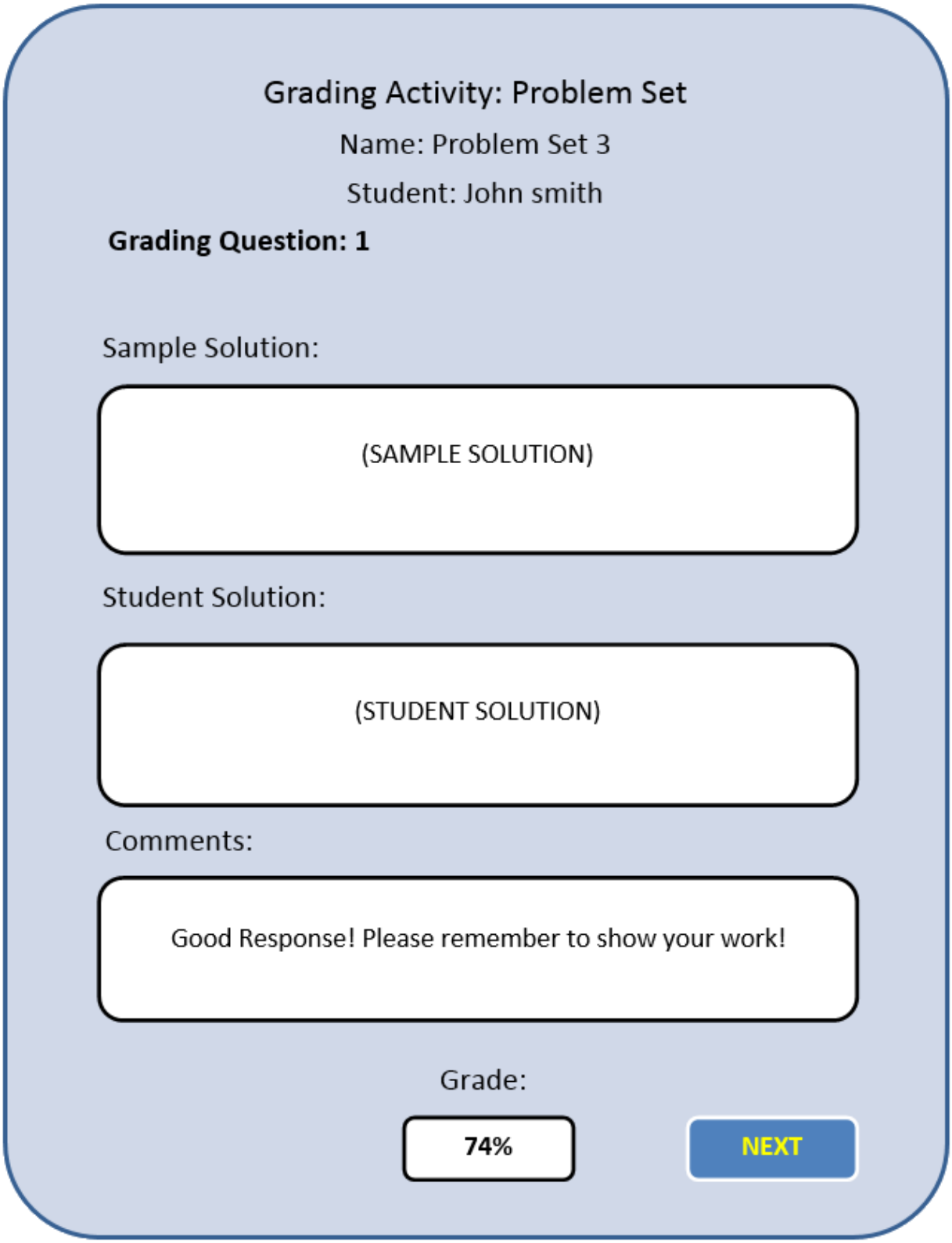
Scenario: Marker selects a student's submission for Problem Set 3.



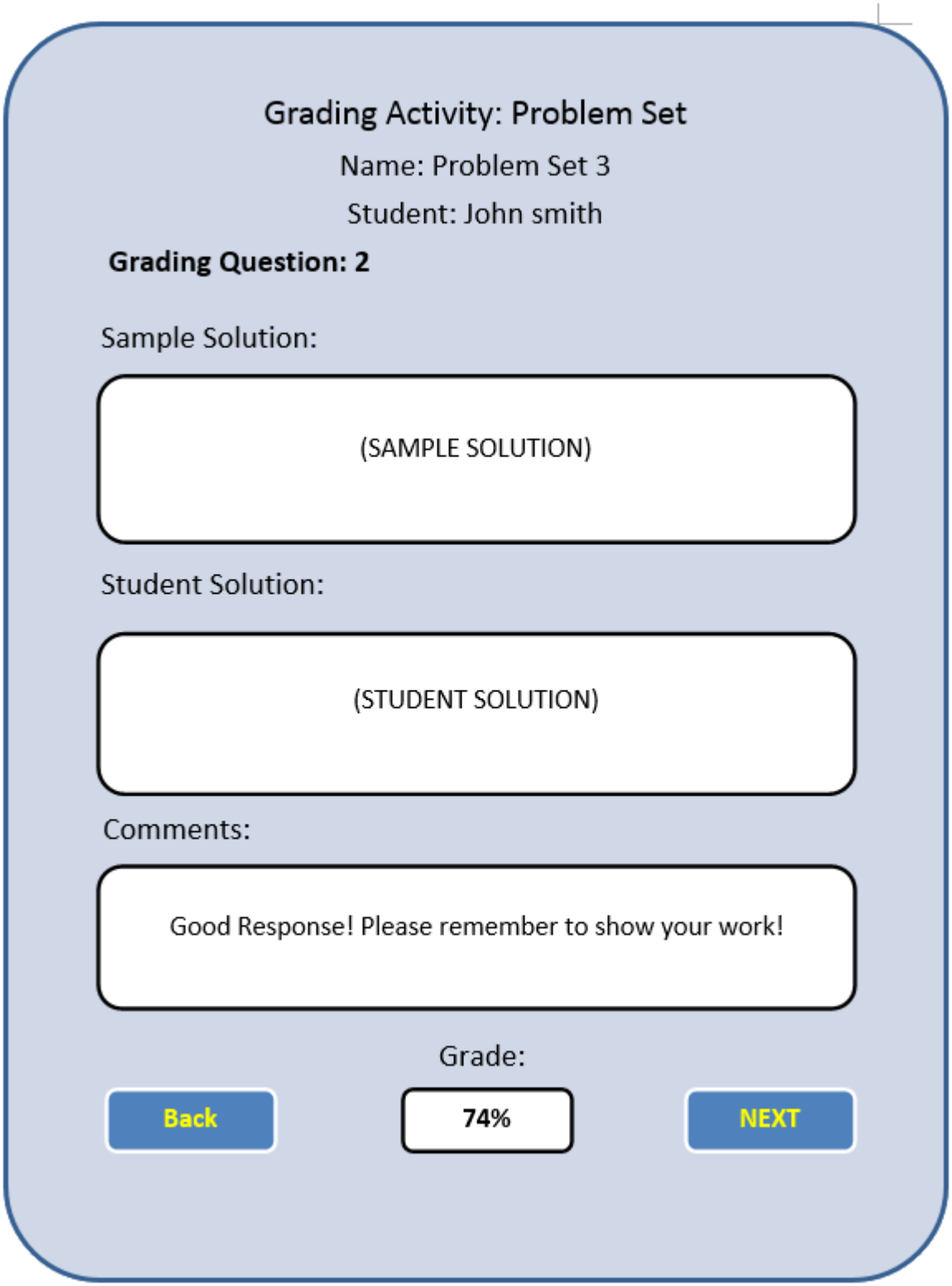

Scenario: Student has not made a submission



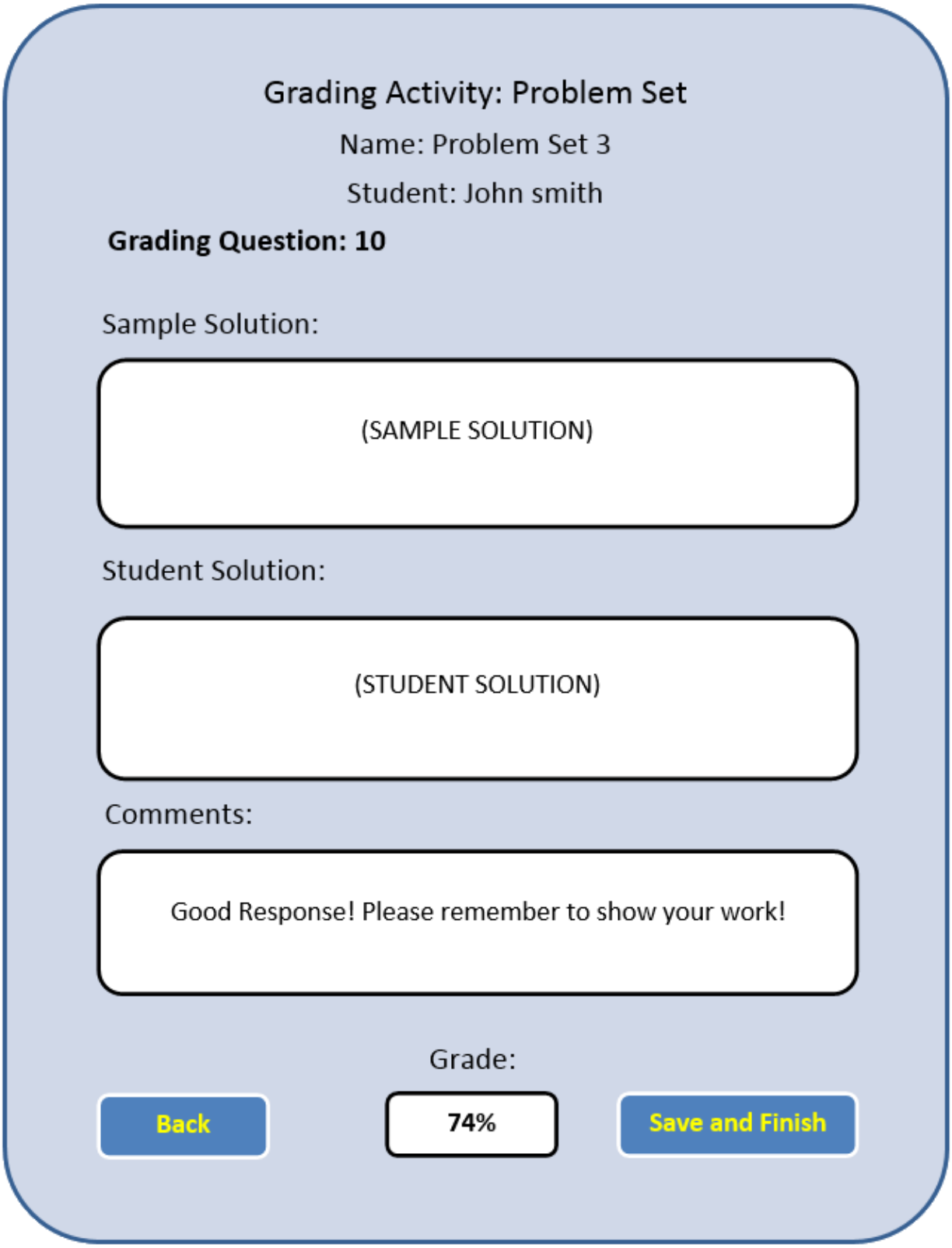
Scenario: Marker is marking the first question of the problem set.



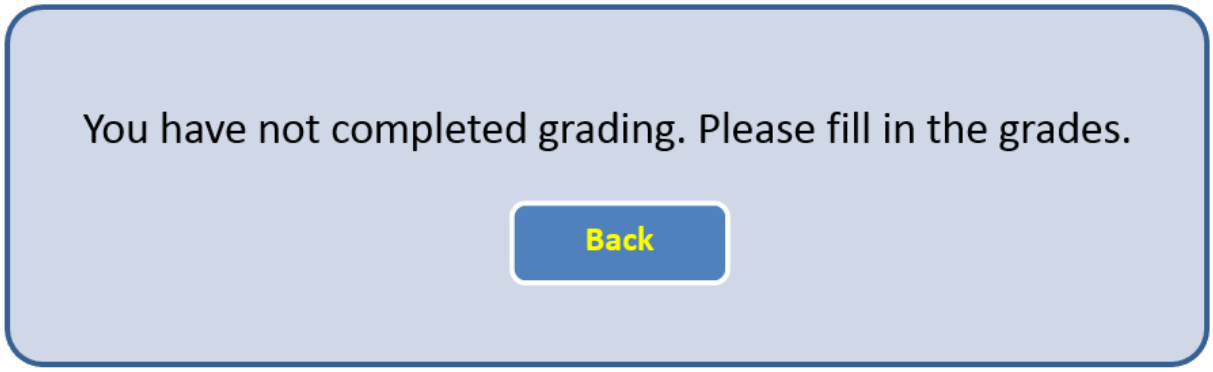
Scenario: Marker is marking questions in between the first and last.



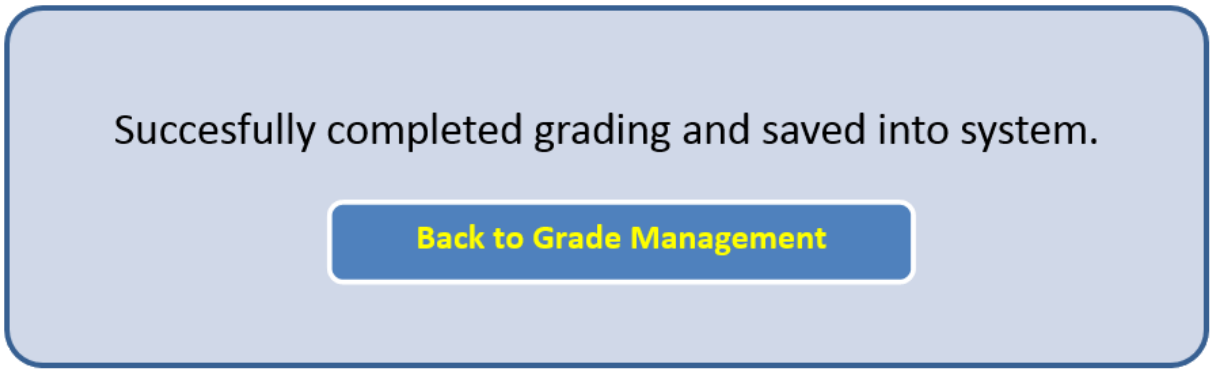
Scenario: Marker is marking the last question.



Scenario: Marker has not completed filling in the grades.




Scenario: Marker has finished grading.




Summary:

An instructor or TA (marker) prepares to grade problem sets and will be presented with the following interface. The marker can select a student's work to grade. Sample Solution and Student solution can be viewed, and comments can be added. When done grading, marker can hit 'next' or 'save and finish'.