

# Nursing Concepts Online – SimChart Simulations in NCO

The SimChart Simulations section is the practice environment of SimChart for Nursing. Simulations provide hands-on simulation practice for nursing students to enhance their clinical decision-making skills and reinforce their classroom knowledge base. They also bridge the gap between lecture and clinicals and offer remediation.

This is a guide for using the SimChart Simulations inside of NCO.

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## Locating SimChart Case Studies

1. Start by clicking on **Content Home** inside your NCO course.



- Next, click into your **Nursing Concepts Online** folder.

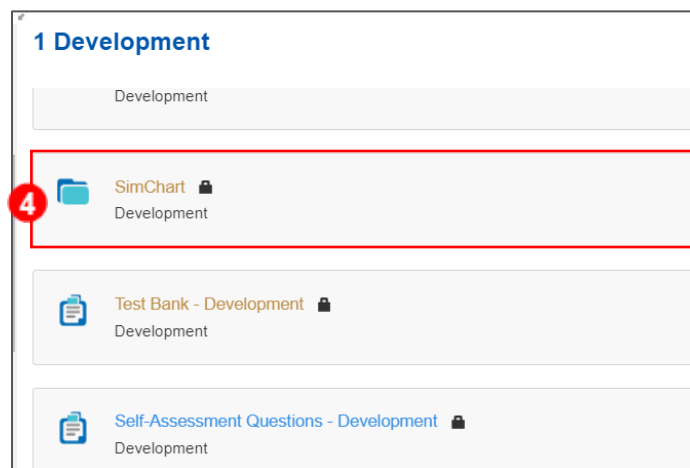


- Click into the **Unit** folder, then the **Concept** folder.



**NOTE:** For a better understanding of the Unit/Concept organization click on the **Concepts Organization Graphic** inside your Nursing Concepts Online folder.

- Once in the desired folder, locate the **SimChart** folder.

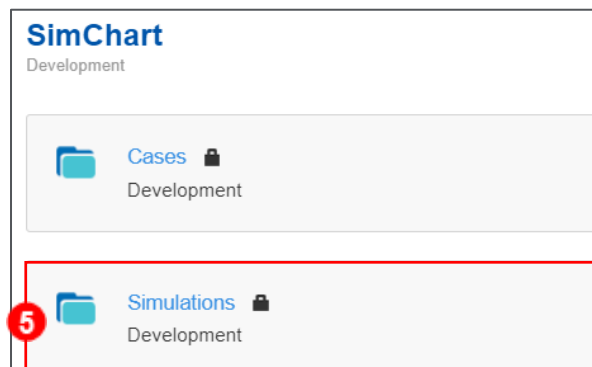


**NOTE:** This folder will not be in every concept folder, but only ones that have pre-assigned SimChart assignments related to the concept.

**NOTE:** By default, this folder is set to instructor only. To change this setting, follow the directions for *Changing Folder Settings* later in this document.

5. Click into the **Simulations** folder.

**NOTE:** This folder will not be in every SimChart folder, but only ones that have pre-assigned SimChart Simulations related to the concept.

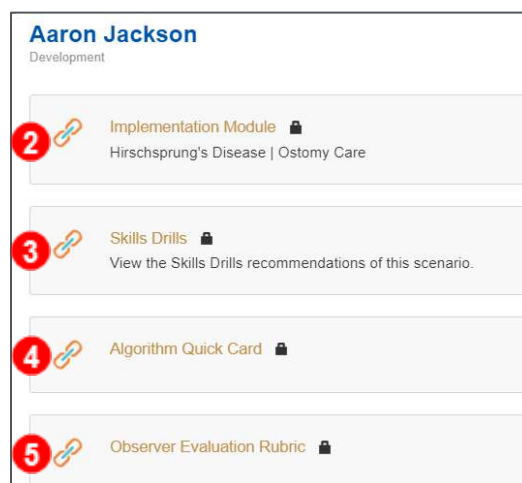


6. Click on the [Patient's Name] folder. Here you will find all resources needed to run the simulation in your simulation lab.



## Instructor Resources

1. There are several resources designed to help instructors teach students before, during, and after the Simulation.



2. **Implementation Module** – an instructor resource that contains information about preparing for the simulation, the simulation itself, and the debriefing after the simulation.

- a. The first time that you click into Implementation Module, it will ask which books you are using, to provide the accurate references. Check the appropriate boxes and click **Apply to all scenarios**.

**Choose Your Text**

Select your textbook(s) from the list below to view the relevant page references throughout this scenario. Your selection(s) will apply to all scenarios for this discipline.

- ☒ Hockenberry: Wong's Essentials of Pediatric Nursing, 9th Edition
- ☒ Hockenberry: Wong's Essentials of Pediatric Nursing, 10th Edition
- ☒ Hockenberry: Wong's Nursing Care of Infants and Children, 10th Edition
- ☒ Hockenberry: Wong's Nursing Care of Infants and Children, 11th Edition
- ☒ James: Nursing Care of Children: Principles and Practice, 4th Edition
- ☒ McKinney, James, Murray, Nelson, & Ashwill: Maternal-Child Nursing, 4th Edition
- ☒ McKinney, James, Murray, Nelson, & Ashwill: Maternal-Child Nursing, 5th Edition
- ☒ Perry, Hockenberry, Lowdermilk, & Wilson: Maternal Child Nursing Care, 5th Edition
- ☒ Perry, Hockenberry, Lowdermilk, & Wilson: Maternal Child Nursing Care, 6th Edition
- ☒ Perry, Hockenberry, Lowdermilk, & Wilson: Maternal Child Nursing Care in Canada, 1st Edition
- ☒ Perry, Maternal Child Nursing Care in Canada, 2nd Edition

**2 a** Apply to all scenarios

3. **Skills Drills** – a list of recommended skills drills relevant to the Simulation.

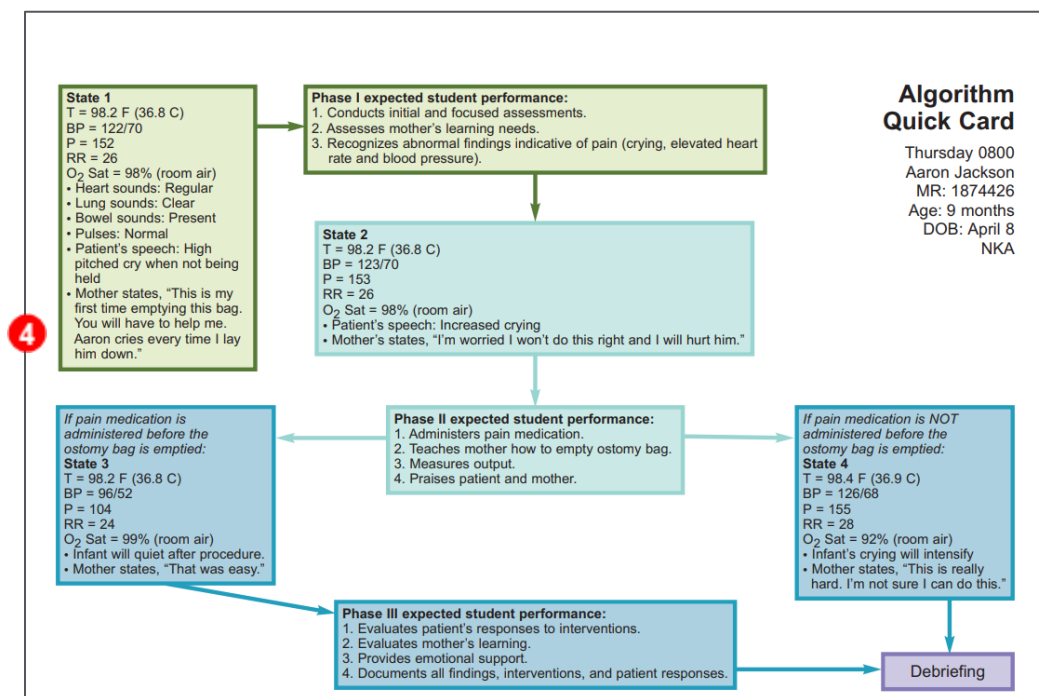
### Scenario 9 Skills Drills Recommendations



The following SLS Skills Drills are recommended for students in preparation of Scenario 9. They can be accessed through the Skills Drills library found on the SLS Home Page. These recommendations consist of the variations that most closely relate to the specific variation of each skill found in the scenario. While instructors may, at times, find it useful to limit the Skills Drills assigned with a scenario to the list provided, assigning several of the additional skill variations included in the library may be desired for the development of skill discernment and mastery.

Category	Skill	Variation
Vital Signs	Pain – 1	Toddler
Medication Administration	Oral Medications – 1	Liquid, Toddler
Medication Administration	Peripheral IV – 1	Ampicillin, Infant

4. **Algorithm Quick Card** – a flowchart that explains how the simulation should progress based on what the student completes. This is especially useful to determine how the simulation changes based on the student's actions.



5. **Observer Evaluation Rubric** – a tool used to assist in evaluating and providing feedback for the student's simulation.



SLS Observer Evaluation Rubric		
Observe the simulation scenario and assess the participants' management of the situation. Note areas in which participants performed well and areas in which they need improvement. Use these observations to provide feedback and participate in discussion during debriefing.		
NCLEX® Client Needs Category	Exemplars observed during scenario:	Opportunities for improvement:
1. SAFE AND EFFECTIVE CARE ENVIRONMENT: MANAGEMENT OF CARE		
2. SAFE AND EFFECTIVE CARE ENVIRONMENT: SAFETY AND INFECTION CONTROL		
3. HEALTH PROMOTION AND MAINTENANCE		

## Potential Assignments and Student Resources

1. In addition to the instructor resources, the [Patient's Name] folder will have several student resources and potential assignments.



**Aaron Jackson**  
Development

2



 **Aaron Jackson - Skill Drills Recommendations** 

Practice the various nursing skills relevant to this scenario.



3

 **Pre-simulation Learning Resources** 



4

 **Post-simulation Learning Resources** 

5



 **Patient Report** 

6

 **Aaron Jackson - Concept Mapping** 

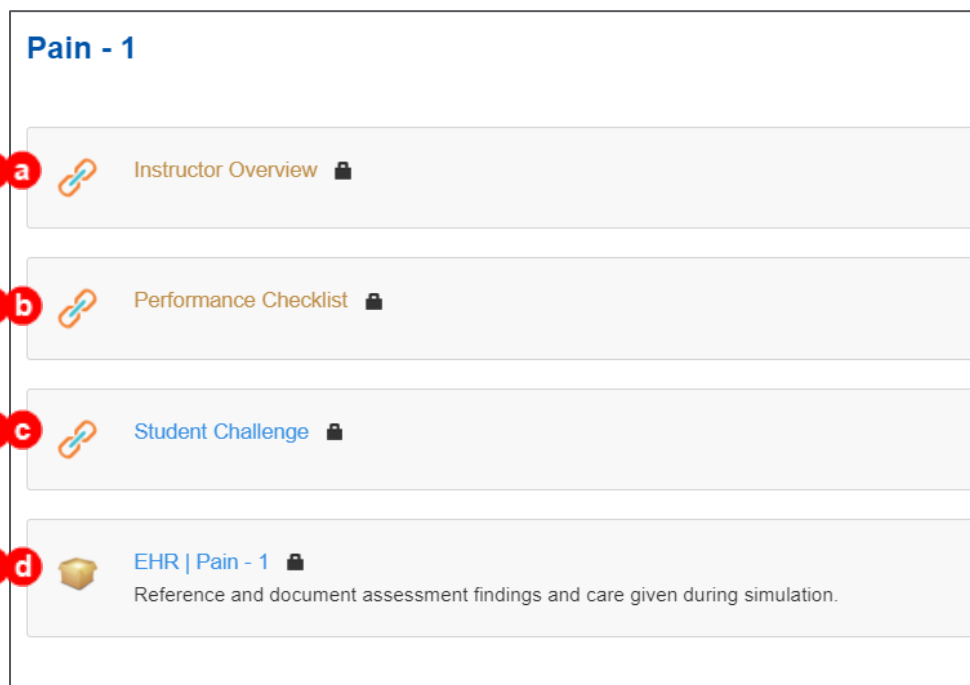
Create a concept map that addresses the patient's health state.

7

 **Aaron Jackson - Documentation (EHR)** 

Reference and document assessment findings and care given during simulation.

2. **[Patient's Name] - Skills Drills Recommendation** – Each Skills Drill will have its own folder containing resources to help prepare and test on a specific skill.
- a. **Instructor Overview** – An overview of the skill and expected student actions.
  - b. **Performance Checklist** – A checklist used by the instructor to evaluate student performance.
  - c. **Student Challenge** – A brief vignette describing the scenario to the student.
  - d. **EHR Drill** – A SimChart assignment for students to document what they did in the drill.



**NOTE:** By default, this folder is set to instructor only. To change this setting, follow the directions for *Changing Folder Settings* later in this document.

3. **Pre-Simulation Learning Resources** – A folder containing resources and assignments for students prior to the simulation.

a. **Recommended Reading Assignments** – A list of recommended reading for the simulation.

**NOTE:** The first time that a student clicks into a **Recommended Reading Assignment**, it will ask which books they have access to, to provide accurate resources. Check the appropriate boxes and click **Apply to all scenarios**.

b. **Pre-Simulation Exercises** – A set of questions to help prepare a student for a simulation.

c. **Pre-Simulation Quiz** – A set of questions designed to test students' knowledge prior to completing the simulation.

**NOTE:** By default, this assignment is set to instructor only. To change this setting, follow the directions for *changing Simulation Assignment Settings* later in this document.





4. **Post-Simulations Learning Resources** – A folder containing resources and assignments for students after the simulation.

- a. **Journaling** – An assignment used to help a student reflect on the simulation.
- b. **SBAR Communication Practice** – An assignment designed to help a student practice writing a change of shift report.
- c. **Post-Simulation Exercises** – A set of questions to help cement knowledge the student should have obtained after a simulation.

**NOTE:** By default, this assignment is set to instructor only. To change this setting, follow the directions for *changing Simulation Assignment Settings* later in this document.

- d. **Post-Simulation Quiz** – A set of questions designed to test a student’s knowledge after completing the simulation.

**NOTE:** By default, this assignment is set to instructor only. To change this setting, follow the directions for *changing Simulation Assignment Settings* later in this document.

**Post-simulation Learning Resources**

4 a

 Aaron Jackson Journaling   
Reflect on your simulation experience.

4 b

 Aaron Jackson Interdisciplinary Communication   
Using the SBAR method, provide a change-of-shift report for the oncoming nurse.

4 c

 Aaron Jackson Post-simulation Exercises 

4 d

 Aaron Jackson Post-simulation Quiz 

- Patient Report** – A change of shift report in the SBAR method that the student would be given when they enter the simulation.

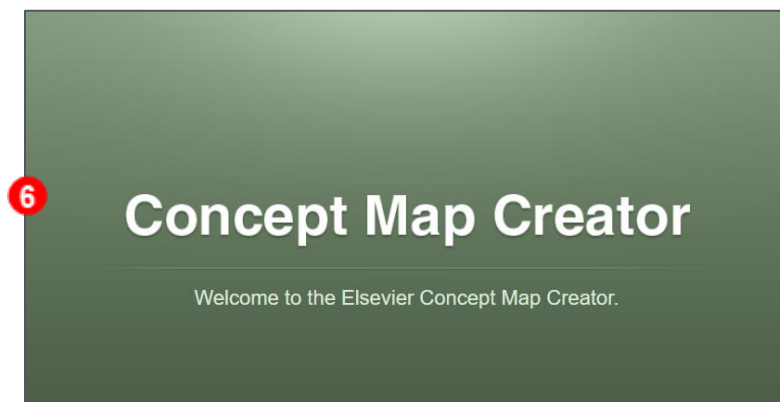
**Patient Report** Settings

Patient Report

<b>SBAR Hand-Off</b>	Current day and time: Thursday 0800	Admission day and time: Tuesday 1300
<b>Situation</b>	Name: Aaron Jackson Age: 9 months Sex: Male Ethnicity: White Religion: Non-denominational Provider: John Whittingham, MD Admission diagnosis: Hirschsprung's disease	
<b>Background</b>	Pertinent medical history: Aaron was diagnosed with Hirschsprung's disease at 2 months of age. The disease has been managed non-surgically until recently, when the sigmoid colon became increasingly distended and unresponsive to non-surgical management. Pertinent social history: Not applicable Allergies: No known allergies Code status: Full code Vital signs (most recent): Time: 0400 T: 98.4 F (36.9 C) BP: 112/82 P: 98 RR: 24 O <sub>2</sub> Sat: Oxygen therapy: Mode: LPM: Pain: Rating: 1 Most recent pain medication: Morphine sulphate 0.75 mg Time: 0200 Other recent medication: No other PRN medications administered IVs: Site: Right hand Type: Peripheral Assessment: Saline lock Fluid: None Drains and tubes: Site: None Type: Not applicable Assessment: Not applicable Wounds: Site: Abdomen Type: Stoma Assessment: Well approximated ADLs: Diet: Regular for age Activity: Not applicable Restrictions: Isolation: Standard precautions Fall risk: Not applicable Assessments: Neurologic: Age appropriate. Pupils 3 bilaterally, brisk reaction. Cardiac: Normal sinus rhythm. Capillary refill within normal limits. Respiratory: Lung sounds clear throughout GI/GU: Abdomen flat, soft, tender. Bowel sounds active all quadrants. Stoma red. Voiding clear yellow urine. Integumentary: Warm, dry, intact Ortho/Mobility: Moves all extremities Psychosocial: Age appropriate Other: Labs and diagnostics: No labs since Wednesday morning	
<b>Assessment</b>	Nurse's assessment: Colostomy bag is intact and a small amount of stool has been produced. Mother is in the room and supportive of care. Aaron's pain score has ranged from 0 to 5 during the night. He has responded well to IV pain medication.	
<b>Recommendation</b>	Plan of care: Continue to monitor patient and provide stoma care. Administer pain medication as needed. Tests/results pending: None Orders pending completion: None Other:	

**NOTE:** By default, this assignment is set to instructor only. To change this setting follow the directions for changing *Simulation Assignment Settings* later in this document.

- [Patient's Name] - Concept Mapping** – This link brings the Student to the **Concept Map Creator**, where they can create a concept map that addresses the patient's health state.



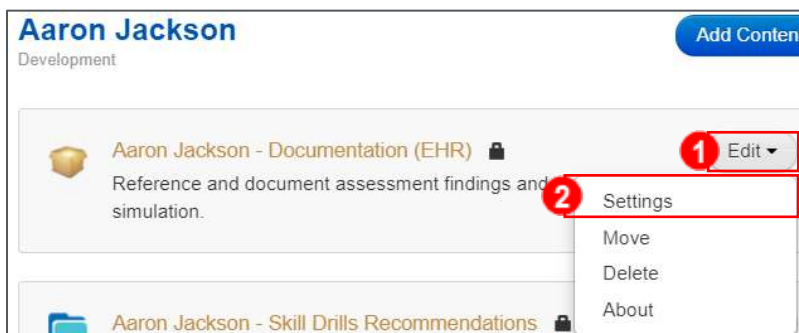
7. **[Patient's Name] – Documentation (EHR)** – A SimChart assignment where the student will document what they completed in the simulation.

The screenshot shows a window titled "Simulation Information". At the top, it says "This is a new Simulation". Below this, under "Patient Details:", the information for Aaron Jackson is listed: Name: Jackson, Aaron; Age: 9 Months; Gender: Male. To the right of this section are links for "Print Phase Info" and "Simulation History". A paragraph of text describes Aaron Jackson as a 9-month-old Caucasian male with a history of Hirschsprung's disease who underwent surgery on Tuesday afternoon for aganglionic colon segment removal with temporary colostomy placement. At the bottom of the window are two buttons: "Start Pre-Simulation" and "Start Simulation". A red circle with the number 7 is positioned to the left of the patient details section.

**NOTE:** By default, this assignment is set to instructor only. To change this setting follow the directions for changing *Simulation Assignment Settings* later in this document.

## Simulation Assignment Settings

1. To access the settings of a Simulation assignment, begin by clicking the **edit** button next to the desired simulation.
2. Next click **Settings**, this expands the settings menu in the assignment.



3. **Visible To** – This determines who can view the assignment if it is available.
- All Students** – This selection will make the assignment visible to all students.
  - Select Teams** – This selection will provide you with the ability to select when different teams are able to view the assignment.
  - Faculty only** – This selection will make the assignment appear only for faculty members.

**NOTE:** With Select Teams there does not need to be values for both **start and end dates** if desired. A blank **start date** will make it available until the **end date** passes, and a blank **end date** will make it available permanently once the **start date** passes.

4. **Availability** – This determines who the assignment is available to.
- a. **On** – This will make the assignment available to all students.
  - b. **Off** – This will make the assignment available only to instructors.
  - c. **Set Date** – This will allow an instructor to put in a Start Date and an End Date for the availability of the assignment to students.

Availability

☐ On ☐ Off ☒ Set Date

Starting

CST

4 Ending

CST

Due Date

CST

**NOTE:** With Set Date there does not need to be values for both **start and end dates** if desired. A blank **start date** will make it available until the **end date** passes, and a blank **end date** will make it available permanently once the **start date** passes.

5. **Due Date** – If a due date is selected, the assignment will be placed on the Course Calendar if it is visible to the student.

Due Date

5    CST

6. **Graded Assignment** – If checked a column will be made in the gradebook.

- a. **Extra Credit** – This will set the assignment to extra credit.
- b. **Points Possible** – This is the number of points the assignment will be worth in the gradebook.
- c. **Category** – This will determine which category it appears in inside the gradebook. If **New Category** is selected, two new boxes will appear for the name and weight of the new category.
  - i. **Category name** – This box is where the category's name can be selected or entered.
  - ii. **Category Weight** – This box is where the category's weight can be entered.

**NOTE:** When grading a SimChart Assignments the grade does not pass back to the gradebook. This would need to be completed manually.

7. **Password Protected** – If checked, students will need a password designated by the instructor prior to entering the assignment.

- a. **Password Text Box** – This will appear when *Password Protected* is checked for the instructor, to input the desired password.

**NOTE:** An Instructor can view the password in plain text by hovering over the *PW* next to *Password Protected*.

- When the settings are adjusted as desired, click **Save**.

Boyle, Emily: Newborn Care

Title  
Boyle, Emily: Newborn Care

Subtitle  
Reference and document assessment findings and care given during case study.

Additional Info

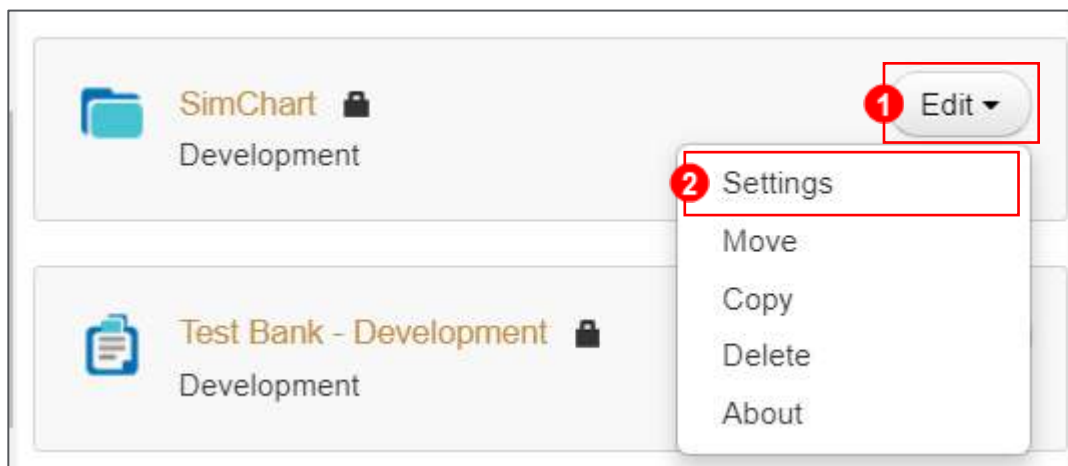
Tool  
SimChart NCO CaseStudy Custom Drop Box

Additional Parameters  
SC-ae4e25a4-b4b3-40ff-b0cb-b0f7b9dfc594

8 Save Cancel

## Changing Folder Settings

- To access the settings of a folder, begin by clicking the **edit** button next to the desired folder.
- Next, click **Settings**. This expands the settings menu in the folder.



3. **Visible To** – This determines who can view the folder if it is available.
  - a. **All Students** – This selection will make the folder visible to all students.
  - b. **Select Teams** – This selection will provide you with the ability to select when different teams are able to view the folder.
  - c. **Faculty only** – This selection will make the folder appear only for faculty members.

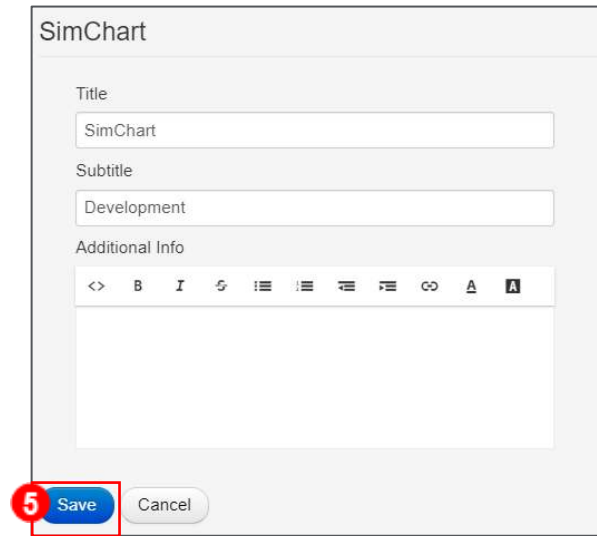
**NOTE:** With Select Teams there does not need to be values for both **start and end dates** if desired. A blank **start date** will make it available until the **end date** passes, and a blank **end date** will make it available permanently once the **start date** passes.

4. **Availability** – This determines who the folder is available to.
  - a. **On** – This will make the folder available to all students.
  - b. **Off** – This will make the folder available only to instructors.
  - c. **Set Date** – This will allow an instructor to put in a Start Date and an End Date for the availability of the folder to students.

**NOTE:** With Set Date there does not need to be values for both **start and end dates** if desired. A blank **start date** will make it available until the **end date** passes, and a blank **end date** will make it available permanently once the **start date** passes.



5. When the settings are adjusted as desired, click **Save**.



The image shows a 'SimChart' configuration dialog box. It has a title bar 'SimChart'. Inside, there are three sections: 'Title' with a text box containing 'SimChart', 'Subtitle' with a text box containing 'Development', and 'Additional Info' with a rich text editor. The rich text editor has a toolbar with icons for bold, italic, underline, bulleted list, numbered list, link, unlink, text color, and background color. At the bottom left of the dialog, the 'Save' button is highlighted with a red box and a red circle containing the number '5'. To its right is a 'Cancel' button.

*END OF GUIDE*