**List of functions created:**

* **SetController.php**
  + actionFlowSet(): Called after a user has made changes to the format of the Set flowchart model. It first parses the necessary information retrieved via POST in order to make changes to a courses position within the Course display.
  + accessRules(): Permissions based function used to determine what users are able to call particular functions within a controller.
* **GroupController.php**
  + actionFlowGroup(): Called after a user has made changes to the format of the Group flowchart model. It first parses the necessary information retrieved via POST in order to make changes to a sets position within the Set display.
  + accessRules(): Permissions based function used to determine what users are able to call particular functions within a controller.
* **TrackController.php**
  + actionFlowGroup(): Called after a user has made changes to the format of the Track flowchart model. It first parses the necessary information retrieved via POST in order to make changes to a groups position within the Group display.
  + accessRules(): Permissions based function used to determine what users are able to call particular functions within a controller.
* **FlowCourse.php**
  + model(): Function which creates the ability to query and alter the flow\_course database table.
* **FlowSet.php**
  + model(): Function which creates the ability to query and alter the flow\_set database table.
* **FlowGroup.php**
  + model(): Function which creates the ability to query and alter the flow\_group database table.
* **CourseFlowInfo.php**
  + getCourseInfo(): Accepts an array of courses within a particular set. The function iterates through the array building a string representation of the course. It returns an array containing course information and course ids.
* **HisRequisites.php**
  + model(): Function which creates the ability to query and alter the his\_requisites database table.
* **CurrSetByCourse.php**
  + model(): Function which creates the ability to query and alter the curr\_set\_course database table.
* **CurrTrackByGroup.php**
  + model(): Function which creates the ability to query and alter the curr\_track\_group database table.
* **CurrGroupBySet.php**
  + model(): Function which creates the ability to query and alter the curr\_group\_set database table.
* **flowchartdrag.js**
  + Box(id, dropState): Initializes three variables based on the parameters passed. Initiaizes the id of the Box as well as the current state, or dropState. The variable value is set to empty.
  + allowDrop(obj, ev): Tests to see whether or not the box, or obj, can be dropped in a specific location, ev.
  + drag(parent, ev): Acknowledges the box, or parent, is being dragged in a certain environment, ev.
  + drop(dropTarget, ev): Ensures that a box can be dropped in a specific location. Inside this function is where the key updates to the metadata is made based on position, flowchart id, and either course, group, or track id.
  + dragStart(obj): Changes the boxes border to show that it is being moved to a new location in addition to updating the object source and changing the dragging flag.
  + dragEnd(obj): Signifies the end of dragging a specific object by changing the destination border to red and updating field canDrop to true and the isDragging flag to false.
* **flowchart.css**
  + float-left: Sets the position to relative and dictates that positions should float left.
  + drag: Sets the position of objects that are being dragged to relative.
  + outer: Defines the outer container for the flowchart.
  + box-container-group: Sets the width and position for a track container of groups.
  + box-group: Defines how a group should appear inside the group container.
  + box-container-set: Sets the width and position for a group container of sets.
  + box-set: Defines how a set should appear inside the set container.
  + box-container-course: Sets the width and position for a set container of courses.
  + box-course: Defines how a course should appear inside the course container.
  + result: Sets the positon to the left.