**USER STORY: Sprint 1, #26**

As a student, I want to book experiments, based on my credit points

**User view:**

Information is provided to the student about the max number of session bookings possible and the number of sessions already booked. Using the information, the student understands the constraints of their credit point requirements and will be provided a message depending on whether the booking was successful or over the max number of sessions possible.

**Implementation:**

🡪 stylesheets/lab3b.css.scss

* Added three new classes (info, data, and data-num) to improve the presentation of the information displayed on the “book experiment” page

🡪 controllers/make\_booking\_controller.rb

* Switched the maximum number of experiments booked to the maximum number of sessions by multiplying the amount of credit points for the student by two
* Modified the “book experiment” trigger from checking the number of bookings in the week to check the student’s current experiment booking will not go over their maximum number of sessions.
* A warning is raised if the number of sessions is exceeded and information is provided to the student in the following manner:

“Unable to make booking as it exceeds max number of sessions available. Please contact the administrator”.

* The booking is not saved when a warning is raised.

🡪 views/make\_booking/index.html.erb

* Added the CSS classes to modify the presentation of the information about the student’s bookings
* Removed the information that showed the maximum number of experiments booked in this week and the number of experiment required.
* Added information on the number of sessions booked and the maximum number of sessions for a particular student

**How to use:**

1. Login as a student
2. Navigate to the “book experiment” page
3. View the information about your current bookings
4. Choose an experiment and select it
5. Make a booking for the experiment
6. If the number of sessions are within the limit then a success message will be shown otherwise a warning message will be displayed in red showing that the number of sessions have been exceeded

**USER STORY: Sprint 1, #27 (completed Chris’s user story)**

As a student, I can only make one experiment booking session per day

**User view:**

The student is able to identify the dates that they have made a booking for another session.

**Implementation:**

🡪 stylesheets/lab3b.css.scss

* Modified the colour scheme of the navigation bar and header
* Enabled the scroll bar to be visible for the navigation section
* Configured the colours for the calendar and switched it to red, green and white
* Modified the font for the calendar

🡪 controllers/make\_booking\_controller.rb

* Switched the @semester\_booking variable to retrieve the data for the number of bookings made by the student for each experiment available
* Added the variable @bookings\_exp to get all the bookings made by the student for the current experiment selected from the “book experiment” page. It ensures the student is only able to delete the session booked for the current experiment selected.
* Configured a loop to cycle through all the bookings and flag the bookings made by the student for the currently selected experiment. There is a condition added that checks in the database if the booking date matches up with the selected experiments bookings
* Added a control statement that loops through the dates selected and checks if there is a booking by the student on that particular date. Raises a warning when a booking is already made on the selected date(s).

🡪 views/calendars/index.html.erb

* Added the CSS class to modify the presentation of the calendar so the colours are different and the hyperlink modifications are removed to each cell on the calendar

🡪 views/make\_booking/view\_experiment.html.erb

* Used the @bookings\_exp variable to allow the student to delete only the currently selected experiment’s sessions booked

**How to use:**

1. Login as a student
2. Go to the “Book experiment” page
3. Select an experiment
4. Observe the colour codes and the dates that are available, unavailable and booked and distinguish between the white cells, booked by the student, and red cells, booked by another student.
5. Now a student is able to identify when they have made a session booking for particular dates.

**USER STORY: Sprint 2, #55 (worked with Julio)**

As an admin, I want to select dates for each experiment in the current semester

**User view:**

The administrator is able to view the experiment list side by side with the calendar and select the availability for each experiment individually or combined

**Implementation:**

**🡪** controllers/calendars\_controller.rb

* Added global class variable: @@exp\_selected to store the selected experiment by the administrator
* In the Index method: Added instance variable @display\_experiment which will store the selected experiments (the checked experiments).
* In the toggle\_calendar method: Changed to toggle only the selected experiments.
* In the update\_experiment method: Created the method to handle the post variable sent whenever the Submit button in the Experiment table is pressed. The method reads post variable and stores relative selected experiments id to @@exp\_selected

🡪 views/calendars/index.html.erb

* Added a new table (experiment table). The table lists the names of all created experiments. A checkbox has been added next to each name and can be selected. The table contains a submit button at the bottom that when clicked will send post variables stored with an array of the experiments id that refer to the experiments checked
* The style of the calendar table was modified so it floated left of the page

🡪 models/calendar.rb

* The methods now takes in one more argument “experiment\_id”

🡪 config/routes.rb

* Added the line “/calendars/update\_experiment” to tell rails where the post request for update\_experiment is being handled

🡪db/schema.rb

* A new attribute, “experiment\_id”, was added to the calendar table in the database

**How to use:**

1. Login as an admin
2. Go to the calendar’s page
3. The page will show a list of experiments on the right side of the calendar. Toggle (check) the experiment or experiments that want to be selected to modify their availability.
4. Click on the “set” button below
5. Now select the dates on the calendar that will be marked as available for these particular experiments