**Physics Lab Booking system:**

**Client Deployment**

**- Setup Instructions**

**- Acceptance Criteria**

**System Setup Instructions:**

1. Load up the schema and the seeds file using the following command:

- rake db:setup

1. Start the server using the following command:

- rails server

1. Direct to opened port:

Localhost:3000

ADMINISTRATOR SETUP

1. Login into admin
2. Define the calendar specifications for the current year and semester if not altered on the seeds file

- Select the Calendar tab on the navigation bar

* + Start date (for semester and semester break)
	+ End date (for semester and semester break)
	+ Click Save
1. Add students using a csv file or by manually adding one student each time.

- Select the Students tab on navigation bar. On the Students page, below the table, there are options to add a “new student” or “import Student List”

1. Add the experiments manually by defining each experiment’s details

- Select the Experiments tab on the navigation bar. On the Experiments page, below the list of experiments on the table, there is an option, “New Experiment”, to select below the table.

1. Define the available dates that an experiment(s) is available during the semester

- Select the Calendar tab on the navigation bar

1. The experiments can have different dates indicating their availability

- Toggle an experiment from the list of experiments on the right side of the calendar. Click on the set button and then choose the dates on the calendar that the experiment will be available.

1. Experiments can also be defined to have the same calendar by selecting multiple experiments or selecting all

- Toggle multiple experiments or toggle “select all” from the list of experiments on the right side of the calendar. Click on the set button and then choose the dates on the calendar that the experiment will be available.

STUDENT BOOKINGS

1. Login into Student with one of the accounts created
2. Make a booking on the Students page

- Select Book Experiment on the navigation bar. Information will be provided regarding the number of sessions the student can make and the experiments that can be booked.

1. Choose an experiment to book

- Click book experiment next to the specific experiment on the list and then the page with the calendar to select the dates for the bookings will be shown

1. Choose to book an experiment with two sessions over two weeks or over a week

- Toggle “1 session per week” or toggle “2 sessions per week”

1. Choose to book an experiment with four sessions over four weeks, one session per week, or over two weeks, two sessions each week.

- Toggle “1 session per week” or toggle “2 sessions per week”

1. Choose the dates on the calendar that are marked in green

- Toggle the check box, if visible, for the particular dates and then select “Book Experiment”

1. View Bookings made from the Students page

- Select “Bookings Summary” from the navigations bar and there will be a table displayed showing the experiments booked by the student

Acceptance Criteria

**-** First set of User Tasks

User Task 1:

As an admin, I want to be able to add students with their personal details

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| I select “new student” and there will be fields provided to input a range of student data |  |
| All data can be inserted into the fields  |  |
| Once I select the submit button, a page will be provided with the details of the student added |  |

User Task 2:

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

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| When I have credit points of 2, then I can only book 6 sessions |  |
| When I have credit points of 4, then I can only book 10 sessions |  |
| When I have credit points of 2, then I can only book 16 sessions |  |
| When I have credit points of 8, then I can only book 20 sessions |  |

User Task 3:

As a student, I want to be shown when days are fully booked

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| Fully booked days by myself appear occupied in a white cell on the calendar |  |
| Fully booked days by other students appear in a red cell on the calendar |  |
| I am not able to select all the occupied days on the calendar |  |

User Task 4:

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| I can book an experiment on any particular day that is open |  |
| The booked day becomes occupied  |  |
| I am not able to book another session for an experiment on that day |  |

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

User Task 5:

As a student, I want to be shown a confirmation when making a booking

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| I am able to select the days on the calendar and click on “Book Experiment” |  |
| A large notification is provided at the top of the page  |  |
| As a student, I want to be shown a confirmation when making a booking |  |

User Task 6:

As a student, I want to be able to cancel a booking a certain number(X) days before the booked date

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| I select an experiment that I have booked and there will be a “delete booking” button visible |  |
| I can click on the “delete booking” button if the current date is X or more days before the booked date |  |
| Once the current date is not X days prior to the booked date then the “delete booking” button not clickable |  |

- Second set of User Tasks

User Task 1:

As an admin, I want to import/upload a list of students

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| I am given details about how to upload the CSV file |  |
| I am able to click on “choose file” and upload CSV file containing a list of students  |  |
| I am able to click on “upload CSV” to upload the file |  |
| A confirmation will be provided if the upload was successful |  |

User Task 2:

As an admin, I want to define the number of days prior a student can cancel a booking

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| On the admin settings page, I am able to select the number of days a booking can be cancelled |  |
| The number of days will be set and is visible on the settings page |  |

User Task 3:

As an admin, I want to view the list of experiments side by side with the calendar

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| On the calendars page there will be a list of all experiments listed on the right of the calendar |  |
| The list of experiments will have a checkbox next to it that can be selected |  |
| All experiments can be selected by toggling the “select all” checkbox |  |

User Task 4:

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

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| I can select an experiment from the list of experiments and click set to make dates available |  |
| I am able to select dates on the calendar and/or one column of a particular day  |  |
| I am able to select all experiments and set the same availability using the calendar |  |
| A confirmation will be provided at the top of the page to indicate dates have been saved |  |

User Task 5:

As an admin, I want to disallow students to cancel a booking

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| On the admin settings page, I can select ‘0’ to set the minimum amount of days to cancel a booking |  |
| I can choose to instead select ‘yes’ or ‘no’ to allow students to cancel a booking |  |
| The minimum amount of days will be set to zero when selecting the ‘no’ option on the checkbox |  |
| The minimum amount of days will be set to five when selecting the ‘yes’ option on the checkbox |  |

- Third set of User tasks

User Task 1:

As an admin, I want to be able to cancel bookings at any time for enrolled students

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| I can set the minimum number of days to cancel a booking to zero |  |
| I am able to delete any bookings for all students  |  |

User Task 2:

As an admin, I want email notifications sent when making or cancelling a booking

|  |  |
| --- | --- |
| **Acceptance Criteria** | **Y/N** |
| After I make a booking, I will receive an email notification to the email linked to my account |  |
| After I cancel a booking, I will receive an email notification to the email linked to my account |  |

**Please sign below if the client deployment was not conducted on the physics department servers due to restrictions placed by the physics department administrators**

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**Please sign below to confirm that the client deployment was conducted and that members of the team were present**

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