

Sprint 4 Traceability Matrix

User Story	Acceptance Test	Test Case ID	Test Result	Backend/Frontend	Automated Test	Notes
2.02	Admin can add a resource with a specified name, room number, and details.	T 2.02.1	PASS	Backend	<input type="checkbox"/>	In Django-Admin, In the BOOKING - Resources section, Add resource and it provides you necessary fields to be filled up.
	Admin can edit the name, room number, and details of an existing resource.	T 2.02.2	PASS	Backend	<input type="checkbox"/>	In Django-Admin, In the BOOKING - Resources section, click the ID of the resource to be edited.
	Resources must display the specified name, room number, and details consistently.	T 2.02.3	PASS	Backend	<input checked="" type="checkbox"/>	Tested in Selenium that checks if resource both in room and equipments show up in corresponding toggle view. Also, manually checked back-end if fields align with the front-end.
						Admin will be updating the approval.
3.01	Admin can view a list of Events submitted by organizations.	T 3.01.1	PASS	Frontend	<input type="checkbox"/>	Google form is collected in G-Suite, specifically Google Sheet, and can be viewed by the Admin.
	Admin can approve Events, allowing them to be displayed on the Events Calendar.	T 3.01.2	PASS	Frontend	<input type="checkbox"/>	Admin can approve the event and create it in the Admin's Google Calendar that will appear in the events page.
	Admin can reject Events, preventing them from being shown on the Events Calendar.	T 3.01.3	PASS	Frontend	<input type="checkbox"/>	Admin can reject the event and not continue with the event creation process.
3.02	Organization can submit event details, including name, room number, date(s), organization, and details.	T 3.02.1	PASS	Frontend	<input type="checkbox"/>	Organization is redirected to a google form to fill up and submitted for approval of an Admin
	Organization receives confirmation of successful event submission.	T 3.02.2	PASS	Frontend	<input type="checkbox"/>	Given that it is a Google Form, confirmation will be present.
	Organization is notified of approval or rejection by the admin.	T 3.02.3	PASS	Frontend	<input type="checkbox"/>	Admin can contact the organization via registered email in the filled up form.
	Validation ensures that all required details are provided before an event is added.	T 3.02.3	PASS	Frontend	<input type="checkbox"/>	Provided that its Google Form, making a field required is convenient, and yes, it is applied in the event form.
3.03	Admin can add a new event with specified details (name, room number, date(s), organization, details).	T 3.03.1	PASS	Frontend	<input type="checkbox"/>	Admin can go through both the Event form for a formal submission of events, or create an event using the Admin's Google calendar that is synced in the application's events.
	Admin can edit the details of an existing event.	T 3.03.2	PASS	Frontend	<input type="checkbox"/>	Admin can edit event details through the Google Calendar.
	Admin can delete an event successfully.	T 3.03.3	PASS	Frontend	<input type="checkbox"/>	Admin can delete an event through the Google Calendar.
	Deleted events no longer appear on the Events Calendar.	T 3.03.4	PASS	Frontend	<input type="checkbox"/>	Events page contents is synced with the Admin's Google calendar, so any changes made from the calendar will directly update to the events page.
	Respective Organizations will be notified of deleted events.	T 3.03.5	N/A	Both	<input type="checkbox"/>	Moved to sprint 5 as client requirements changed.
	Users can click into details of an event in the calendar.	T 3.03.6	PASS	Frontend	<input checked="" type="checkbox"/>	Tested in Selenium and checks if further details show up when event is clicked in the embedded calendar.
	User can view upcoming events in the Events page.	T 3.03.7	PASS	Frontend	<input checked="" type="checkbox"/>	Tested in Selenium and checks if upcoming events are present in the Events page.
	User can use the date filter and view list of events on that specific day.	T 3.03.8	PASS	Frontend	<input checked="" type="checkbox"/>	Tested in Selenium and checks if a list view shows up when date filter is used(given that there is an event to present).
3.04	Admin can initiate the integration process with Google Calendar.	T 3.04.1	PASS	Frontend	<input checked="" type="checkbox"/>	Tested in Selenium and checks if Google Calendar is embedded successfully in the events page.
	Events added to the Events Calendar are automatically synchronized with Google Calendar.	T 3.04.2	PASS	Frontend	<input checked="" type="checkbox"/>	Tested in Selenium and checks if further details show up when event is clicked in the embedded calendar.
	Changes made in Google Calendar are reflected in the Events Calendar on the website.	T 3.04.3	PASS	Frontend	<input checked="" type="checkbox"/>	Tested both in Selenium and manually, after creating an event in google calendar, Selenium can check if event in specific date show up with necessary details.

3.05	Admin can preset a format for events. (Event Title, Description of Event, Location, Event Day, Event Start Time, Event End Time, and an optional Event Image)	T 3.05.1	PASS	Frontend	<input type="checkbox"/>	User is redirected to an preset Event form by the Admin that has necessary details to be filled up by the User.
	Events displayed on the calendar adhere to the specified format consistently.	T 3.05.2	PASS	Frontend	<input checked="" type="checkbox"/>	Tested in Selenium, checks if important detail is present both in the clicked event on the calendar and list view of the events page.
	Validation ensures that all required details are provided before an event is added.	T 3.05.3	PASS	Frontend	<input type="checkbox"/>	Since its through Google form, the team ensures the necessary details to be required and filled up by all type of user before getting evaluated by an Admin.
4.01	Users can navigate to the "Statistics"/"Insights" tab on the website.	T 4.01.1	FAIL	Both	<input type="checkbox"/>	Not yet implemented in the frontend, but backend is ready.
	The "Insights" tab displays usage hours, peak times, and the popularity of various technologies and resources.	T 4.01.2	PASS	Both	<input type="checkbox"/>	The backend clearly has all requested insights and popularity of various assets
	Insights are presented in a clear and understandable format.	T 4.01.3	PASS	Backend	<input checked="" type="checkbox"/>	Backend has clear and automated tests covering all the client's requested tracked statistics.
4.03	Admin can download the Email list of all users.	T 4.03.1	PASS	Backend	<input type="checkbox"/>	In Django-Admin, the Admin can select set of Users and then choose "Export to CSV" to download.
	Downloaded Email list contains accurate and relevant data.	T 4.03.2	PASS	Backend	<input type="checkbox"/>	Downloaded file will contain the full name and @ualberta.ca email of the user.
	Downloaded Email list is in a CSV or XLS format.	T 4.03.3	PASS	Backend	<input type="checkbox"/>	Downloaded file will be in CSV format.
	Downloaded Email list contains all user Email addresses grouped by their Gmail domain.	T 4.03.4	FAIL	Backend	<input type="checkbox"/>	Email exports aren't sorted by domain as a default, which allows the client more flexibility in choosing what they filter by upon exporting to their spreadsheet software of choice
5.02	Admin can compose and send Email notifications from the admin dashboard.	T 5.02.1	N/A	Both	<input type="checkbox"/>	Moved to sprint 5 as client requirements changed
	Email notifications are sent to users' registered Email addresses.	T 5.02.2	N/A	Both	<input type="checkbox"/>	Moved to sprint 5 as client requirements changed
	Email notifications contain relevant information about updates, events, and opportunities.	T 5.02.3	N/A	Both	<input type="checkbox"/>	Moved to sprint 5 as client requirements changed.
7.02	Admin can edit the URL of a link successfully.	T 7.02.1	PASS	Both	<input type="checkbox"/>	in Django-admin, the admin can successfully update images of resources
	Link changes are reflected accurately on the website.	T 7.02.2	PASS	Both	<input type="checkbox"/>	After updating a resource, such as an image, the image is reflected in on the front-end
	Feedback form and asset image links are updated successfully.	T 7.02.3	PASS	Both	<input checked="" type="checkbox"/>	The feedback form is correctly redirected to when the user clicks on the add event button. As the admin updates the form, this is reflected in the new link. Selenium confirms the re-direct and form contents
	Admin can delete images and links successfully.	T 7.02.4	PASS	Both	<input type="checkbox"/>	in Django admin, admin can successfully update images of resources as a blank string, in which case they are no longer rendered on the front-end