

Module Testing

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All team mates tested modules together while sitting in the same room with the same computer.

Module 1

- Calendar - A week view calendar that the user can scroll through to see future and previous weeks.

Testing

1. Checked that the automatically displayed week reflects the current week.
 2. Checked that each date displayed on the screen corresponded to the correct day of the week for the current, previous, and next week.
 3. Checked that the correct year is displayed, and increments correctly once the calendar goes to the next and previous year (December to January and January to December).
 4. Checked that the correct month name is displayed, and corresponds the month of the first day of the displayed week.
- Database - The database should save the user's lists, todo items, and where the todo items are placed in the calendar.

Testing

1. Create two todo items, add one to the calendar, keep one in the list.
2. Scroll to the next week and see that the todo item is not in the same day for the next week.
3. Scroll back to see that the todo item is in the same position that you placed it in.
4. Logout of the app.
5. Log back in to see that the list is still present, the todo item in the list is still present, and the todo item assigned to the calendar is still present and in the correct position.
6. Delete a todo item and refresh the page to see that the item is still deleted.
7. Search for that item to see that it does not appear in the search results.
8. Delete the list. Observe that the todo item in the list is also deleted, but the todo item in the calendar is still present.
9. Refresh the page to confirm that the list is still deleted.
10. Create a new list, and change the color of the list.
11. Refresh the page to see that the list retains the color.

12. Create a todo item, and drag it to the calendar.
 13. Change the color, and observe that the todo item's color also changes.
 14. Refresh the page to observe that the todo item retains the color.
 15. Edit the start time and finish time on the todo item in the calendar.
 16. Refresh the page to see that the start and finish time still displays correctly.
 17. Test with only start time, and only finish time.
 18. Edit a list name.
 19. Refresh the page to see that the edited name is displayed.
 20. Edit a todo item.
 21. Refresh the page to see that the edited item is displayed.
 22. Test steps (20-21) with todo items in a list and in the calendar.
 23. Create a todo item. Check the checkbox to mark as complete.
 24. Refresh the page to see that the item is still checked off.
- Drag task to Day - A todo item in a list can be dragged to a day in the calendar, so that the user can plan when they want to do it.

Testing

1. Moused over todo item to see that the cursor indicates the item can be dragged.
 2. Dragged an Item over a day to see if borders indicate that the day is a droppable area.
 3. Dropped a todo item into a day to see that the item appeared in the section for that day.
 4. Moved calendar forward one week and backward one week to test that the todo item stayed in the correct day.
 5. Checked that the item is no longer displayed in the list.
 6. Dragged back into the list to unscheduled it.
 7. Drag and drop into neither of the calendar days or todolists. Nothing should happen.
- Events - Events are todo items that have specific start and end times. The user can assign these times when an item is in the calendar.

Testing

1. Assigned todo item to a day to see that there is a clock icon.
2. Clicked icon to see that the "edit time" form is shown.
3. Input a valid start and end time to see that the time is shown on the todo item.
4. Input an invalid time (start time later than end time) to see that an error message is shown, and the invalid time is not assigned.

5. Input only a start time to see that the start time is displayed without the end time.
 6. Input only an end time to see that the end time is displayed without the start time.
- Lists - User can create multiple lists to categorize their todo items.

Testing

1. Clicked the “+” button to show a form that asks for a new list label.
 2. Clicking “Create” makes a new list component with the label that is the same as the text entered in the input.
 3. Clicking “Create” when the input is empty does nothing.
 4. Clicking the “x” icon closes the form.
 5. Created a new list when there is an existing list to see that the new list appears next to the existing list.
 6. Created multiple lists that go across the screen, and when no more lists will fit, the next generated list appears below the others.
 7. Clicking the “Delete” button in the list options menu deletes the list, but not the list items associated with it that are in the calendar.
 8. Creating a list with the name of an existing list does not generate a new list. Instead, nothing happens.
- Modify todo list labels and list items - User can modify list name and items in case they make a typo or have a change of heart** (anthony said that)**LOL

Testing

1. Click the three dots next to list name.
2. Click “Edit List Name”.
3. Enter new list name into the input and hit enter.
4. Press “Exit” to exit list name modifying.

Module 2

- Progress Bar - communicates to the user the percentage of total tasks done.

Testing

1. Create multiple todo items.
2. Check the box on the left of the todo item. There should be a cross across activity name to indicated this was successful. Would increase the percentage of tasks done. Checking the box on multiple todo items would increase the

percentage of tasks done. The color green would increase in the progress bar to signal that the percentage of tasks being done is getting higher while pink is decreasing.

3. Unchecking the box on the left of the todo item would decrease the percentage of tasks done. Observe that the cross disappeared from the activity name. If this occurred, unchecking happened perfectly. Would cause the progress bar to decrease where the color pink would increase and the color green would decrease.
 4. Adding a new todo item would decrease the percentage of tasks done. We should observe that the amount of green in the bar lowers.
 5. Deleting a todo item that is not done would increase the percentage of tasks done and we should observe an increase in the progress bar.
 6. Deleting a todo item that is done would decrease the percentage of task done and we should observe a decrease in the progress bar.
- Saved todo items - saves todo item to the respective user in the database

Testing

1. Create item(s) in a list.
2. Close calendar.
3. Reload the calendar. The item(s) should be in the same list as before.
4. Drag and drop item to another place in the application, ie. the calendar area or another list. Repeat from step 1.

Module 3

Module 3 had to do with adding additional features that would relay useful information to the users, help them be able to customize their displays and make the overall experience easier.

- Mouseover Tooltips - communicates to the user what they can do with the todo lists when hovering over an icon and what percent of their total tasks they have completed when hovering over the progress bar

Testing

1. Made one todo list and hovered icon to make sure works properly
2. Created many todo lists and hovered over each to make sure that only one appeared at a time
3. Moused over progress bar with no items to make sure that 0% displayed

4. Moused over progress bar with one item but not checked off to make sure that 0% displayed
 5. Moused over progress bar with one item that is checked off to make sure that 100% displayed
 6. Moused over progress bar with two items, one checked off and one not, to make sure that 50% displayed
- Drop-Down Todolist Editor - Allows the user to delete a todolist, edit the todolist's name and change the color of the todolist and its events, even when dragged into the buckets

Testing

1. Made one todolist and opened editor to ensure that it opened properly
 2. Used the delete button of the editor to make sure that it deleted the todo list properly
 3. Created an event in a todolist and dragged it into the buckets. Then deleted todolist in order to make sure that event still existed in the buckets
 4. Created an event in a todolist and dragged it into the buckets. Deleted the todolist and created another todolist with the exact same name as the deleted todolist. Changed the color of the new todolist to make sure it did not affect the event in the buckets
 5. Made one todolist and edited its name to ensure that it worked
 6. Made one todolist and created two events in it. Dragged one event into buckets. Changed the color of the todolist to every color to make sure that the color is reflected in the event in the buckets and that the change did not affect anything else
 7. Tried to edit the name of a todolist to the name of an existing todolist (cannot)
- Drop-Down Logout Menu - Drops down a menu when user clicks on their profile name. In this menu they can log out of their account. This also helps prevent accidentally logging out by adding an additional click.

Testing

1. Clicked profile name to make sure that drop-down appeared
 2. Opened drop-down and clicked outside of menu to make sure that it closed properly
 3. Clicked on logout button to verify that it properly logged user out of account
- Return To Today Button - Allowed the user to return to the current week if they are currently viewing a different week.

Testing

1. Clicked on button when viewing the current week to make sure that nothing happened
 2. Went to next week and and clicked button to make sure that it took me back to the current week
 3. Went to the previous week and clicked button to make sure that it took me back to the current week
 4. Went to the next week and then to the previous week to make sure that it took me back to the current week
 5. Clicked to view a full year in the future and then clicked button to ensure that it took me back to the current week
 6. Clicked to view a full year in the past and then clicked button to ensure that it took me back to the current week
- Search Bar - Allows users to search for events and todos by name. Results tell user where the event is and if the item is complete or not. When a result appears the user can delete the item from the results.

Testing

1. Searched for event that does not exist to make sure that it gave the right results
2. Created event in todolist and searched for it. Verified results
3. Created event in todolist and marked it as complete. Searched for it and make sure that the results reflected this
4. Created an event and searched for it. Made sure that when clicked button to delete item from search results that the item was deleted
5. Created an event and dragged it into a bucket. Searched for it and made sure that the date in the results matched
6. Created an event and dragged it into a bucket. Then dragged it into another day and searched for it to make sure that the results reflected the updated date
7. Searched for an existing event and used cancel search button. Made sure that nothing else was affected.
8. Created two events of the same name and searched for them. Made sure that both events appeared in the search results
9. Created two events of the same name and deleted one of them. Made sure that only one event was deleted
10. Created one event and deleted it. Made sure that the search did not return the event