Iconography Guide

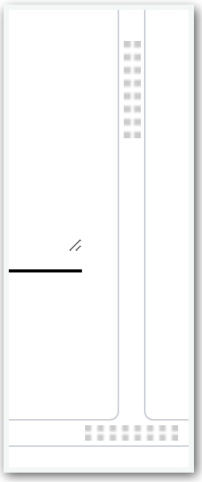
MarkBook uses icons based on *Material UI* (maintained by Facebook) where most of “Google’s mobile applications for Android as well as its web app counterparts had applied the new design language. Those applications include Gmail, YouTube, Google Drive, Google Docs, Google Sheets, Google Slides, Google Photos, Google Maps, Google Classroom, Google Translate, Google Chrome, Google Keep, Google Play, and most other Google products. It is also the primary design language of Android and Chrome OS.”

Taken from *Wikipedia’s Article on Material UI*

What follows are guides to understanding what each icon element means to the operation of the application.

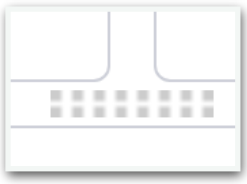
Interpreting these iconography components, its colours and interactions plays an integrated role in the behaviours, feedback to the User Experience and the success of working in MarkBook®.

In this image (on the right) taken from the Report Comments workspace, there are three icons that work together to provide the user with the ability to slide panels around and input comments. The vertical and horizontal *Panel Handle* icons combined with the *Text Expander* icon, allow for revealing or hiding information as needed.



Panel Controls

Horizontal Panel Handle

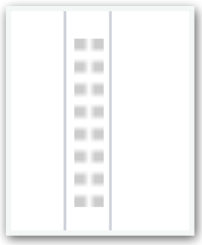


Horizontal Panel Handle

This *Horizontal Panel Handle* icon provides for sliding panels up and down to reveal useful information.

This icon is used in Loaned Items, and in Report Comments.

Vertical Panel Handle



Vertical Panel Handle

This *Vertical Panel Handle* icon provides for sliding panels left and right to reveal useful information.

This icon is used in Mark Sets, Loaned Items, Entries, Entries Overview, Student Report, and in Report Comments.

Scroll Controls

Short List Scroll

Vertical Scroll

This *Vertical Scroll* icon (whose length depends on the length of the list) provides for scrolling through data up and down to reveal useful information.

This icon is used throughout the application in lists.

Long List Scroll

Cut and Paste/Drag and Drop Controls

Drag Indicator for Drag and Drop

Drag Indicator | In-focus data element to be dropped | In-focus data element to be removed

Whenever an object is to be moved (such as this component from the Generic Import routine), the *Drag Indicator* icon needs to be selected by hovering and then dropping to the desired location. When an item is “in-focus”, the pick turns light blue until it is dropped in place. Before being “out-of-focus”, the item may be removed by dragging elsewhere or returning to its original location.

This icon is used in Seating Plan, Report Comments, and in the Generic Import routine.

Paste/Drop Indicators

In-focus data element to be dropped | Available data element drop zone

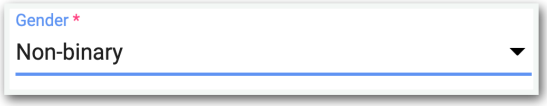
Whenever an object is to be moved (such as this component from the Generic Import routine), an element with a *Drag Indicator* icon may be dropped into the desired location so long as it is available (shown with light blue dashes).

This icon is used in Seating Plan, Report Comments, and in the Generic Import routine.

Data Input Fields

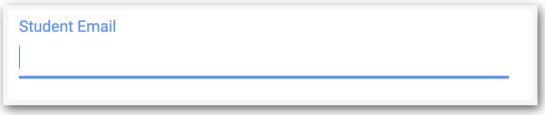
Dropdown Menus

Data Input Field with Dropdown Chevron

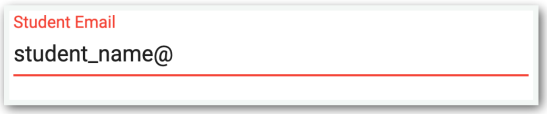


Required* Valid Data Input Field with Chevron

Data may be input by typing or selecting from a Dropdown Menu. The *Chevron* icon (downward-pointing triangle) may be activated by hovering to reveal the valid choices (indicated by the light blue line). If input data is typed incorrectly or rejected by the validation routines, the line and contents may turn red.

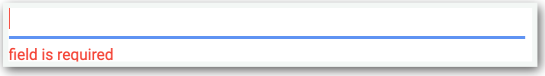


Data Input Field with Valid Data

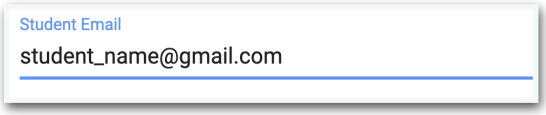


Data Input Field with Invalid Data

When valid data is present, the application provides feedback about the validation of the contents (indicated by the light blue line) and should the data conflict with that validation process, *Field Heading* and input line turn red.



Required Data Input Field with Valid Data



Data Input Field with Valid Data

Sometimes data is required (as typed content) while the validation process monitors input until successfully collected, where the interface releases the Input Field to proceed to the next operation.

This procedure and its integrated icons is used in the Welcome Interface and throughout the application.

Data Input Field taken from Device Folder

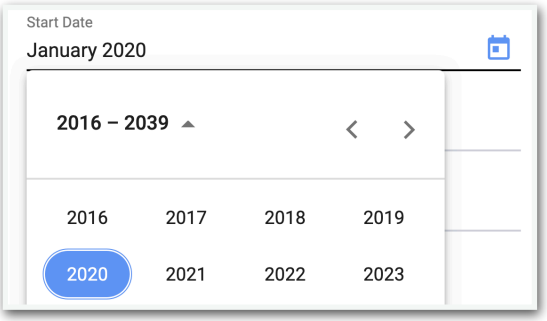
In some instances, a *Folder* icon indicates that data is to be served from a device's local repository.

Date and Calendar Functions

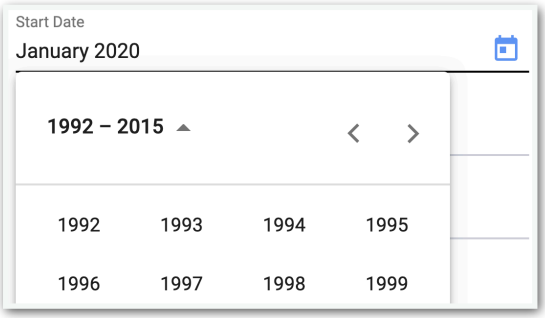
Date Input Field

Data Input Field taken from Calendar

When the *Calendar* icon is selected, a modal dialog box provides the Years as picks (light blue as the “in-focus” year.

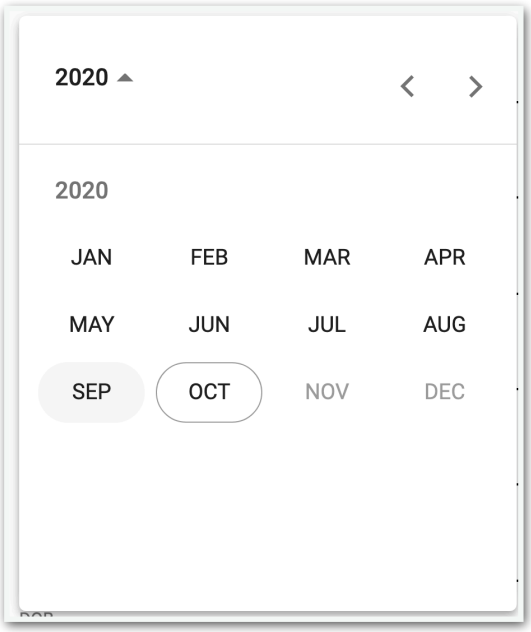


Current Year picks from Calendar

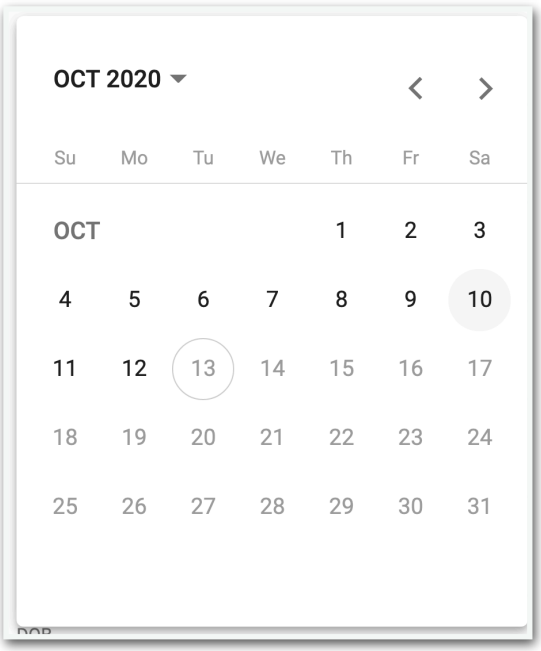


Prior Year picks from Calendar

The Years are set out in 24 year intervals where navigating among them responds with clicking the selected Year. To navigate to other 24 year intervals, clicking the > (right pointing *Chevron* icon) points to the future and the < (left pointing *Chevron* icon) points to the past.



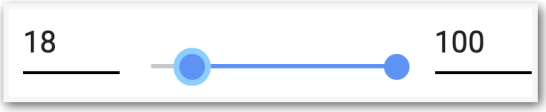
Selected Year’s Month picks from Calendar



Selected Month’s Date picks from Calendar

The same *Chevron* icons advance or retreat through Months and Dates.

Sliders

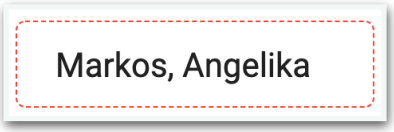


Slider for Filters and Sorting

Sliders may be adjusted by entering values between 0 and 100 for filtering or spring data.

These components are found in Entries, Entries Overview and Seating Reports.

Error Status



Error Status Dashed Indicator

Under certain circumstances, the application looks to validate data. In this case the students email address was incorrectly imported and drilling down into the Student Information reveals an invalid data value that needs edition before progressing to completion.

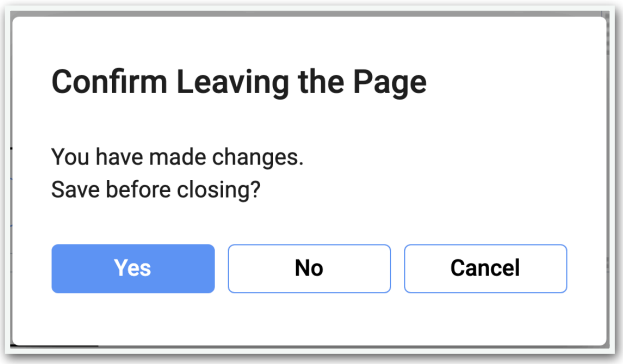
Icon Badges

Save Alert

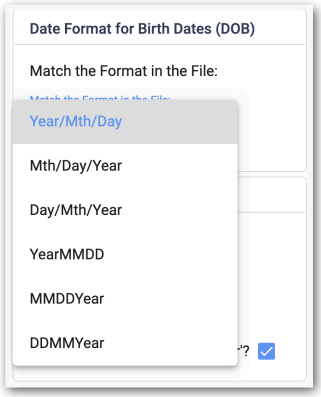
Save Icon

During the process of making any changes in any of the Dashboards, MarkBook® monitors the acquisition of changes in important data. A red badge appears on the upper right corner of the *Save* icon in the upper right corner of the MarkBook Navigation Banner.

In the event that the user does not press the *Save* icon, in the non-saved state, a confirmation Alert Pop-up prompts that a decision must be made to further proceed to other Dashboards. Once pressed, the badge on the *Save* icon will turn orange until the process has been completed and a green badge is displayed for a short period of time. Once the badge has disappeared, data has been received and stored in the Cloud database.



User Alert Pop-up About Pending Data

Date Formats

MarkBook® accepts the following Date Formats for importing from external data sources in the Generic Import Routine. Should the Date Format be in conflict with the expected MarkBook Date Format, an *Error Status* Alert prompts the user to correct the choice of Date Format.