Main Page

<task-item> Web Component
task-item.js
task.css

This Web Component represents the individual task items inside of the <task-list>. It is mostly contained within the task-item.js file with some styling drawn from task.css.

Creates the HTML of the Web Component. Allows the Attributes of the Component to manage the visual displays (Progress bar, pomo count, etc.). Connects the functions passed from the <task-list> to its different buttons.

- CSS -
- Has a Shadow Root
- Some colors defined in JS
- Link to task.css

- HTML -
- HTML created dynamically through JS
- Attributes managed with JS

- JS -
- Uses functions passed by the <task-list> in task.js during initialization
- Can be managed through its Attributes

<task-list> Web Component
task.js
task.css

This Web Component represents the entirety of the task list. It handles the logic of the individual <task-item> elements and interfaces with the rest of the Pomodoro app. It is a very interconnected element, that is itself very simple in terms of HTML and CSS.

- HTML -
- A single <ul> element generated with JS
- Internals are represented by <task-item> elements

- CSS -
- Has a Shadow Root
- Link to task.css

- JS -
- Reads and writes localStorage. Sets the initial state of localStorage with each session. Also reads the initial state of localStorage in order to initialize the task items.
- Handles the logic of the <task-item> elements, including their drag and drop mechanics.
- Removes the welcome-message upon adding a <task-item> to the page (either from localStorage or through the #add-task-modal.
- Adds an event listener to the #add-task-modal form to know when to create a <task-item>. Uses #task-name, #task-num, and #task-note form elements when creating a new <task-item>.
- Handles deleting <task-item> elements, inlcuding showing/hiding the #delete-modal, and adding an event listener to the #confirm-button of the #delete-modal. It does so by passing a function it defines to the <task-item>.
- Handles editing <task-item> elements through the #edit-modal. It changes the values of the <task-item> through their Attributes by using element.attribute synatx. It accesses the #editform, #edit-note, #edit-name, and #edit-num elements directly. It does so by passing a function it defines to the <task-item>.
- Handles checking <task-item> elements using their Attributes through element.attribute syntax. It does so by passing a function it defines to the <task-item>.
- Handles "playing" <task-item> elements by opening the #play-modal and adding the target <task-item> element's ID as a value in localStorage called currentTask. It does so by passing a function it defines to the <task-item>.

<header-comp> Web Component
header-comp.js

This Web Component represents the header of the page. It contains date information, as well as some information about the number of completed pomo cycles. It does not include the link to the statistics page. The link is a seperate element floating in the upper right corner (#stats-btn). It allows for its internal state to be modified through its HTML Attributes.

- CSS -
- Has a Shadow Root
- Some colors hardcoded
- Some CSS added through style Attributes
- CSS style saved as a JS string

- HTML -
- Generated with JS
- Some HTML Saved as JS strings
- Attributes managed with JS

- JS -
- Sets its own Attributes to communicate variables and allows changing internal values via its attributes.
- Accesses localStorage to get sessionCounter,

#welcome-message
Static HTML
index.html

"Welcome. Add a task to get started."

Referenced by:
- task.js
  ◦ Deletes this element

#add-task-modal
Static HTML
index.html

Appears when an Add Task button is clicked. Has a form to fascilitate creation of a <task-item>.

Referenced by:
- task.js
  ◦ Closes the modal
- main.js
  ◦ Opens the modal

Referenced elements:
- task.js
  ◦ #taskform
    ▪ Adds event listener and resets
  ◦ #task-name
    ▪ Gets value
  ◦ #task-num
    ▪ Gets value
  ◦ #task-note
    ▪ Gets value
- main.js
  ◦ .cancel-btn
    ▪ Adds event listener
  ◦ .close
    ▪ Adds event listener

#edit-modal
Static HTML
index.html

Appears when an the .edit-btn of a <task-item> is clicked. Has a form to fascilitate editing of a <task-item>.

Referenced by:
- task.js
  ◦ Opens and closes the modal
- main.js
  ◦ Closes the modal

Referenced elements:
- task.js
  ◦ #editform
    ▪ Adds event listener
  ◦ #edit-note
    ▪ Gets and sets value
  ◦ #edit-name
    ▪ Gets and sets value
  ◦ #edit-num
    ▪ Gets and sets value
- main.js
  ◦ .cancel-btn
    ▪ Adds event listener
  ◦ .close
    ▪ Adds event listener

#delete-modal
Static HTML
index.html

Appears when the .delete-btn of a <task-item> element is clicked. Has a confirmation button.

Referenced by:
- task.js
  ◦ Opens and closes the modal
- main.js
  ◦ Closes the modal

Referenced elements:
- task.js
  ◦ #confirm-button
    ▪ Adds event listener
- main.js
  ◦ .cancel-btn
    ▪ Adds event listener
  ◦ .close
    ▪ Adds event listener

#info-modal
Static HTML
index.html

Appears for the onclick event of the #info button element. The onclick event calls openInfoModal() which is defined in main.js. Shows introductory information about the Pomodoro app.

Referenced by:
- main.js
  ◦ Opens and closes the modal

Referenced elements:
- main.js
  ◦ .close
    ▪ Adds event listener

#play-modal
Static HTML
index.html

Appears when an the .play-btn of a <task-item> is clicked. Has a form to transition to beginning a pomo for a <task-item>.

Referenced by:
- task.js
  ◦ Opens the modal
- main.js
  ◦ Closes the modal

Referenced elements:
- main.js
  ◦ .cancel-btn
    ▪ Adds event listener
  ◦ .close
    ▪ Adds event listener

localStorage

Entries:
- allTasks
  ◦ A list of information on <task-item> details.
  ◦ Managed by task.js
- currentTask
  ◦ The ID of a <task-item> which is currently scheduled to be worked on
  ◦ Written by task.js
- sessionCounter
  ◦ Which part of the pomo cycle is the app in
  ◦ Read by header-comp.js
- lastVisit
  ◦ The most current day in which the site has been loaded
  ◦ Read and written by main.js
- statsList
  ◦ A list of previous days statistics
  ◦ Read and written by main.js
- todayPomo
  ◦ Read and written by main.js
- distractCounter
  ◦ Read and written by main.js
- sessionCounter
  ◦ Read and written by main.js

#add-task-btn (x2)
Static HTML
index.html

Two buttons that both open the #add-task-modal

Referenced by:
- main.js
  ◦ Add event listeners

main.js

- Handles the opening and closing of the #info-modal
- Adds the events listeners for opening the #add-task-modal to the #add-task-btn elements.
- Adds the event listeners for closing the #delete-modal, #edit-modal, #info-modal, and #play-modal
- Adds previous days stats to the localStorage statsList, and resets the localStorage current statistics of todayPomo, distractCounter, and sessionCounter
- Updates localStorage lastVisit on page close