sub_assembly.js — Program Flow Summary

Initialization Flow

On Page Load

- `$(document).ready()`
    - Disable `#sub_ass_part_div`
    - Load `menu.html` → Highlight current page
    - Get `editProcessId`, `breadcrumb`, `edit_mode_exit` from sessionStorage
    - Set Username from localStorage
    - Call:
        - `check_login()`
        - `get_bom_recent()`
        - `get_bom_count()`

Part and Process Autocomplete Flow

Output Part

- Inputs: `#part_no_out`, `#part_name_out`
    - Autocomplete via `get_part_name_auto_wel.php`
    - On select:
        - Save `part_id`
        - Call: `get_bom_list()`, `get_bom_list_comp()`

Input Part

- Inputs: `#part_no`, `#part_name`
    - On select → Save `part_id`, focus `#qty`

Process

- Input: `#process_name`
    - Autocomplete via `get_process_auto.php`

Adding to Welding Table

Add Input Part

- Button: `#add_part_btn`
    - Validate input
    - Append `<li>` with part info to input column
    - Clear fields

Add Process

- Button: `#add_process_btn`
    - Validate
    - Append process `<li>`
    - Call `get_machine()`

Submit and Update Flow

Submit Process

- Button: `#submit_btn`
    - Validate rows (must have input & process)
    - Collect data → `allWeldingData[]`
    - AJAX to `insert_wel_process1.php`

Update Process

- Button: `#update_btn`
    - Same as submit
    - Also sends deleted process list
    - AJAX to `update_wel_process1.php`

Welding Table Events

- `.add_pr` → Add row below current one
- `.delete_pr` or delete button → SweetAlert → Remove row
- First `td` click → Mark row as selected
- `.qty-editable` blur → Validate & update qty

BOM Flow

From Recent

- Click `#bom_recent_list li`
    - → `get_bom_output()`
        - → `selectAutocompleteByPartId()`
        - → `get_bom()`
        - → `get_bom_process_details()`

From Dropdown

- On `#bom_list_select change`
    - → Load BOM
    - → Enable `#sub_ass_part_div`

Sub-Assembly Part Flow

- Inputs: `#sub_ass_part_name`, `#sub_ass_part_no`
  - Autocomplete from `get_part_name_auto_sub.php`
  - On select:
    - Call `get_bom_output(part_id)`
    - Disable form

Add Sub-Assembly

- Button: `#add_sub_ass`
  - AJAX → `insert_new_sub_part.php`

Delete Flow

Delete Process List

- Button: `#del_btn`
  - SweetAlert confirm
  - Call `del_process_list()` → AJAX to `del_wel_process1.php`

Utility Functions

- `get_bom_process_details()`
- `get_machine()`, `get_machine_1()`
- `get_bom()`, `get_bom_list()`, `get_bom_list_comp()`
- `insert_new_part()`, `insert_new_input()`, `insert_new_process()`
- `update_input()`, `update_process()`, `update_output()`
- `delete_input_part()`, `delete_process()`, `delete_implement()`
- `selectAutocompleteByPartId()`