

A) Page format is dependent on the binding. For example, for hard cover, only DIN A4 portrait can be chosen.

When an admin is creating a new / editing an existing binding, he should be able to see a list of available page Formats and set which ones are going to be seen in the page format dropdown for the selected binding.

B) Cover type is dependent on the binding

- In case of hard cover, only color dropdown will be shown (the setting called AA),
- In case of soft cover bindings, color , cover sheet, and back sheet dropdowns are shown (the setting called BB),
- Color dropdown choices depends on the selected binding

When an admin is creating a new / editing an existing binding, he should be able to see a list of available colors, and set which ones are going to be seen in the Color dropdown for the selected binding. Also, the admin should be able to choose between settings AA (show only Color dropdown) and BB (show Color , Cover sheet , and Back sheet dropdowns).

C) Number of pages - their min. and max. values are dependent on 3 items/selections: binding, side option, and paper weight. The number of pages can be combined with the side option, leading to the number of sheets.

- A dynamically created matrix/table should be populated when creating a new / editing an existing binding. The matrix should contain all possible paper weights, together with the min. and max. sheets. The values would be stored in json format in the db.
- During the order process, the number of sheets is figured out by the number of pages and the side option. The resulting value will be compared with the dependency list. If the entered number of pages is out of range, an error message will be shown.
- In case new paper weight values are added in the meantime, they would be included in the matrix/table on the next create/edit of a binding. These values, if entered, would be used as validation for number of sheets. It would be something along the lines of the following (the designer freedom is implied):

paper weight, min sheets, max sheets

| Paper Weight | Min Sheets | Max Sheets |
|--------------|------------|------------|
| 80 | 60 | 240 |
| 100 | 50 | 200 |
| 120 | 40 | 160 |

- D) The ability to include DIN A3 and DIN A2 pages as additional pages in the order is dependent on page format .
- When creating a new / editing an existing page format in the admin dashboard, columns named Can add DIN A2 and Can add DIN A3 should be added. They would be of a Boolean value set via a switch or a checkbox.
 - If any of the values is set to true, a column named Max. number of pages would be shown as well. It would be text input field which accepts integer entries only, for DIN A2 and DIN A3 pages, respectively. It is set for the page format that is created/edited.
 - If entered, those (max. number of pages) values would be used as validation for Number of A2 pages and Number of A3 pages input fields. Of course, only if Can add DIN A2 and Can add DIN A3 values are set to true , HAS DIN A2 and HAS DIN A3 switches will be shown to the user.
- E) Refinement type is dependent on the binding . In the binding create/edit page of the admin dashboard, there should be a refinement column/dropdown with options CC , DD , and None. CC and DD represent the available parameters which are grouped in settings. Therefore, either CC , DD , or neither will be shown on the order page, depending on the saved setting for the chosen Binding .
- The setting named CC contains the following parameters (req. docs - page 3):
 1. Cover
 2. Date Format
 3. Spine
 4. Direction
 5. Spine text choices - Choice 1, 2, and 3 , and
 6. Spine text positions - Top, Middle, Bottom
 - The setting named DD contains the following parameters (req. docs - page 4):
 1. Cover sheet embossing
 2. Art - Edition or Classic
 3. Template
 4. Date Format
 5. Spine embossing
 6. Direction
 7. Spine text choices - Choice 1, 2, and 3 ,
 8. Spine text choice typing, and
 9. Spine text positions - Top, Middle, Bottom
- F) Spine is dependent on the paper weight and number of sheets. For example, if 100g/m² paper is selected, a min. 40 sheets of paper are needed for a spine to be available.
- While creating/editing page format, there is a field called MinSheetsSpine, in which the minimum number of sheets to create the spine can be entered.
 - A matrix/table shows how many letters can be written on the spine depending on the sheet range.

It would look like something along the lines of the following:

| Min Sheets | Max Sheets | Number of letters |
|------------|------------|-------------------|
| 0 | 10 | 10 |
| 11 | 20 | 15 |
| 21 | 30 | 20 |

- G) Depending on the chosen page format, the labels and info popups/messages/tooltips should show the selected page format . For example, if the chosen page format is DIN A4, then the label for number of pages would show number of DIN A4 pages.
- H) When choosing between one-sided and two-sided prints, the recommended paper weight will be chosen, but the user can change the selection. For example, for One-sided print, the recommended Paper is 100g/m² , and for Two-sided , it is 120g/m² .
- J) Embossing depends on the binding. The embossing types shall be activated in the binding create/edit page. For example, for the binding hard cover the embossing “edition” and “classic” exist, but for the binding soft cover only the embossing “edition” is available.