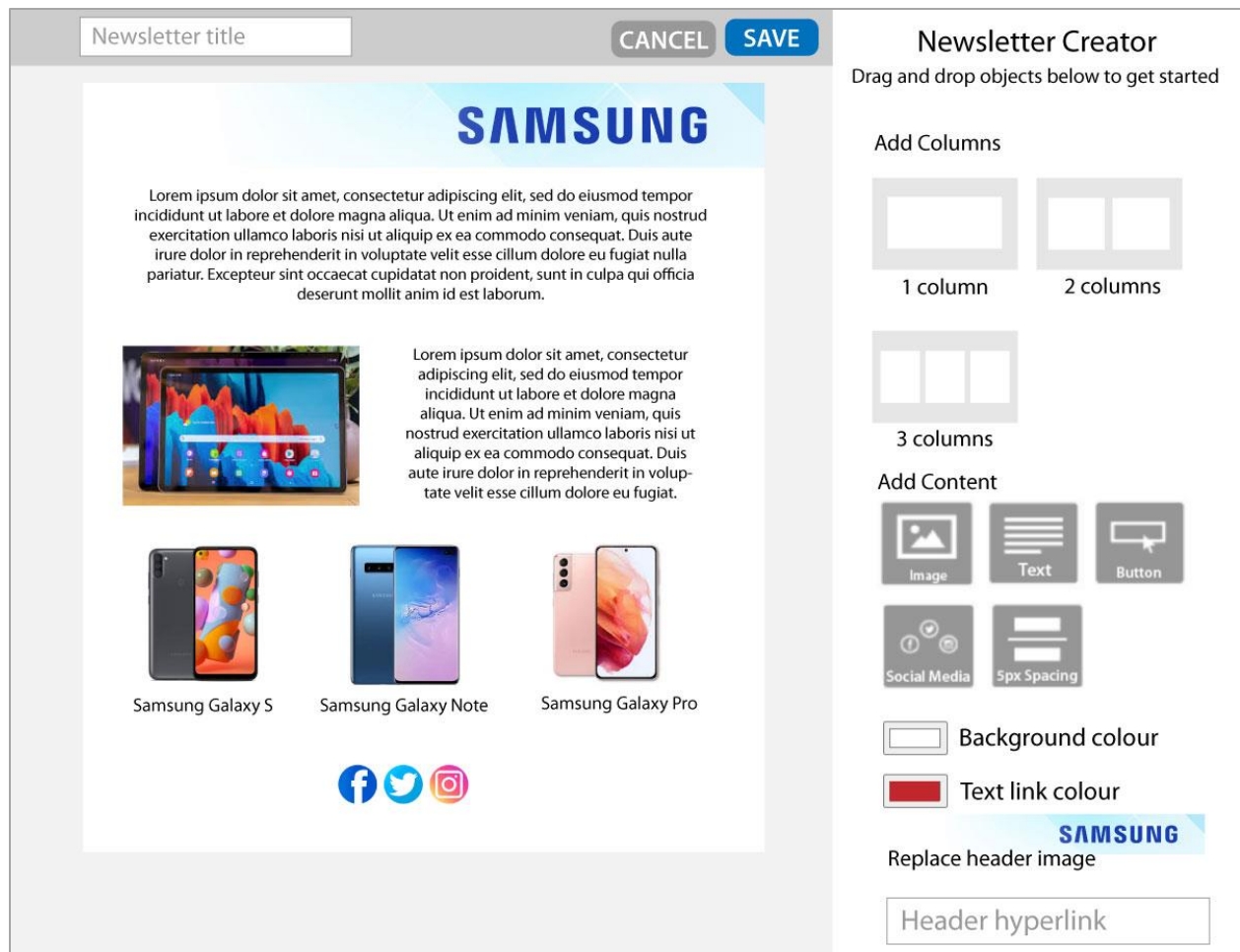


This newsletter creator should be a drag-and-drop interface for creating beautiful email newsletters. The user can drag and drop **Column Sections** to a template to create the column blocks. Once the user drags and drops the columns, it will show the columns in the template with blank content. The user can also enter the story's Title and choose a background colour, which gets saved to the database (see last page). The 'Replace Header Image' button and 'Header hyperlink' textbox allows the user to add/edit and hyperlink the header image. Every newsletter must have a header image.

This needs to be created in native NodeJS in order to provide an outstanding user experience. If the developer suggests any other language, it could be considered and agreed upon mutually. However, it is believed that most competing newsletter creator products run on NodeJS to achieve this level of functionality.




The user can then drag and drop **Content** to each column such as text, images, buttons, spacing, and social media icons. The user simply selects one of the **Content** types and drags it to a column in the template. The content type will now appear in the template so the user can add content.




Also, when the user clicks outside any content/image box within the template, it will go to this mode.

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Newsletter Creator

Drag and drop objects below to get started

IMAGE OPTIONS



Replace Image

Hyperlink

<http://samsung.com/gal>

☒ Open link in new tab

Adding an Image

In order to add an image, the user simply drags the “Image” content type to one of the columns or column splits. For instance, in the example above, you can see that the user dragged the **image** content type to 4 columns. In the second row, the user dragged an **image** content type to the left part of the two-column layout. In the third row, the user dragged the **image** content type to all 3 columns of the three-column layout.

After dragging an **image** content type to the column, the column should show the image below to show empty image. The user clicks on the empty image icon and it opens the properties in the right sidebar menu, as shown in above image. The user can select/replace an image and add a hyperlink to the image.




Empty Image Icon:


<https://customercare.igloosoftware.com/.api2/api/v1/communities/10068556/previews/thumbnails/4fc20722-5368-e911-80d5-b82a72db46f2>

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Newsletter Creator

Drag and drop objects below to get started

SOCIAL MEDIA LINKS

FACEBOOK

TWITTER

INSTAGRAM


☒ Open links in new tab

Adding Social Media Icons


In order to add an image, the user simply drags the “Social Media” content type to one of the columns or column splits. The Social Media Icons can only be dragged to a one-column or a two-column layout. It cannot be added to a three-column layout. Once added to a column, the user can enter the social media URLs into their appropriate boxes, as shown above.

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Newsletter Creator

Drag and drop objects below to get started

PARAGRAPH OPTIONS

LEFT

CENTER

RIGHT

FONT OPTIONS

Calibri

10px

B

i

U

Bold

Italic

Underline

Hyperlink the text

http://samsung.com/gal

☒ Open link in new tab


Adding Text

The user can add a **text** content type to a one-column, two-column, or three-column layout. This will add create a text area with the placeholder text “Enter text here...”. Once the **text** content type is added, the user can add text as they like. They should be able to highlight certain text in the textbox, apply bold, italic, or underlined style just to the text they highlighted. They should also be able to hyperlink certain highlighted text and open in new tab. They should also be able to select a font-style and a font-size just for the highlighted text. The font-style dropdown should provide at least 10 options and the font-size dropdown should provide font-sizes between 4pt and 24pt font sizes.

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PREVIEW



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CHECK

CLICK




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VIEW



Samsung Galaxy Note

OPEN



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DOWNLOAD

Newsletter Creator

BUTTON OPTIONS

Button Colour

Text Colour

FONT OPTIONS

Calibri

10px

Button Text

CLICK

Button Hyperlink

http://samsung.com/gal

☒ Open link in new tab

☒ Make button rounded edges

BUTTON ALIGNMENT

LEFT

CENTER

RIGHT

Adding Buttons

The user can add **Buttons** to either one-column, two-column, or 3-column layouts. The user simply drags the **Button** content type to the column or column splits and it shows a button with the placeholder text “Button”. The user can customize the button’s colour, text colour, font size and font style, and add rounded corners. The user can also enter the button’s text and add a hyperlink to the button. Each button can be aligned within its column. The button must have 5px padding around the width of the text it contains.

In the example above, the “Preview” button is left-aligned to a 1-column layout. The “Check” and “Click” buttons are right aligned to a 2-column layout. The “View”, “Open”, and “Download” buttons are center-aligned to a 3-column layout.

Newsletter Creator

COLUMN BLOCK OPTIONS

Select a block and move or delete it using the options below.


DELETE BLOCK

MOVE BLOCK UP

MOVE BLOCK DOWN

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Moving Column Blocks

The user should be able to move column blocks up and down by simply selecting the column block. The columns can be moved up and down using two arrows on the right side of the column, or by clicking a “Move Block Up” and “Move Block Down” buttons on the right sidebar. There should also be a button called “Delete Block” that allows the user to delete the whole column block and its content (add a confirmation alert before deleting).


Newsletter Creator

SPACING OPTIONS


10px ▼

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Add Spacing

The user can add spacing to the layout using the **Spacing** content type. The user can add the **Spacing** content type to any one-column, two-column, or three-column layout. Once added, the user can set the spacing properties (in pixels) in the right sidebar. Once clicked the **Spacing** content type needs show a blue outline so user can set its properties. In the example above, the user clicked on the spacing box (in blue border above) and set it to have a 10px vertical spacing.

DATABASE

This section explains various ways the newsletter/story creator communicates with the database.

Table: “nodejs_story”

This table determines the title and date of the story. You only need to populate the ‘title’, ‘make_id’, and ‘created_at’ fields from the newsletter creator.










#	Name	Type	Collation	Attributes	Null	Default
1	id 	int(11)			No	None
2	title	varchar(255)	utf8mb4_general_ci		No	None
3	make_id	int(11)			No	None
4	created_at	datetime			No	None
5	updated_at	datetime			No	None
6	created_by	int(11)			No	None
7	updated_by	int(11)			No	None
8	active_date	int(11)			No	None
9	publish_date	datetime			No	None
10	embargo_date	datetime			No	None
11	status	int(11)			No	None

Table: “nodejs_story_content”

This table determines what content goes where within the story/newsletter.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None			Change Drop More
2	story_id	int(11)			Yes	NULL			Change Drop More
3	row_id	int(11)			Yes	NULL			Change Drop More
4	row_columns	int(11)			Yes	NULL			Change Drop More
5	column_id	int(11)			Yes	NULL			Change Drop More
6	content	int(11)			No	None			Change Drop More
7	content_type	int(11)			Yes	NULL	1=image,2=text,3=button,4=spacing		Change Drop More
8	created_on	datetime			Yes	NULL			Change Drop More

The “nodejs_story_content” table is where the newsletter content gets saved. When a user presses “Save”, it updates all the relevant rows in the table with the appropriate data.

story_id: the id of the story/newsletter.

row_id: determines the order of the elements in the story/newsletter. (eg: header=1,body=2,footer=3)

row_columns: how many columns each row has (minimum 1 , max 3).

column_id: which column the content belongs to. Eg: if the content is in a 3-column row, the column_id would be 3.

content: the code for the text, image, button, etc. that goes in the column (in html format).

content_type: use 1 for image, 2 for text, 3 for button, 4 for social media, and 5 for spacing.

created_on: date and time the content is being added.

Opening the Newsletter for Editing

The user should be able to visit following URL to open and edit the template using the newsletter creator:

www.domain.com/newsletter-template/40 where '40' is the story_id that will load all the newsletter's contents from the database so the user can edit it at any time.