Classforma Frontend Intern Assessment Task

Task description
You will develop a workflow designer. For an example of what a workflow designer is, checkout this url: https://reactflow.dev/docs/examples/overview/

Code Requirements:
- Your code must be based on React
- You are free to use any 3rd party library for rendering the workflow canvas and functionalities as long as they are free. We recommend React Flow unless you are strongly familiar with other libraries.

Submission
- All the functionalities described below must be implemented. Unfinished submissions won't be unevaluated.
- Once completed, you need to deploy your react app on vercel/netlify/heroku/github page
- Provide GitHub URL to your source code
- Submissions in the form of zipped files or google drive won't be evaluated.
- You can submit at any time, hiring will be based on first come first serve basis.

Expected Functionalities
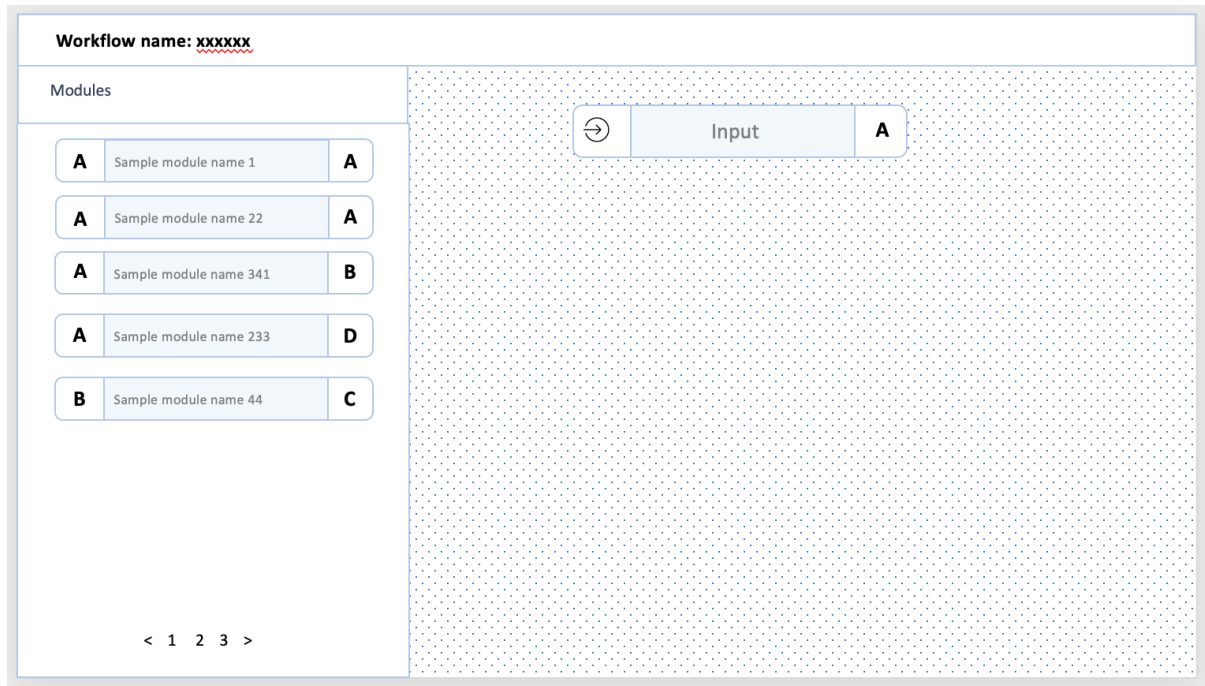
Functionality 1: Workflow list page

Workflows

Name	Input Type	Created at
Eileen Vandervort	O	2023-04-06
Constance Cartwright IV	E	2023-04-06
Preston Champlin	E	2023-04-06

Use https://64307b10d4518cfb0e50e555.mockapi.io/workflow endpoint to load list of workflows

Functionality 2: Workflow designer page

Users come to this page by clicking on one of the workflows from the list.

Loading workflow:

Endpoint: https://64307b10d4518cfb0e50e555.mockapi.io/workflow/<workflow_id>
for example: https://64307b10d4518cfb0e50e555.mockapi.io/workflow/19
  ➤ Extract and display workflow name on the top
  ➤ Create one 'Input' node in the canvas with the correct workflow input type, this data is available as part of the workflow data you get.

Loading modules
Endpoint: https://64307b10d4518cfb0e50e555.mockapi.io/workflow?page=1&limit=5
  ➤ Use page parameter and load only 5 modules per page.
  ➤ There are in total 99 modules.
  ➤ Users should be able to drag and drop the modules into the canvas.
  ➤ Users can delete nodes in the canvas by pressing delete/backspace keys.
  ➤ Each module has input type, output type and a name.

Functionality 3: Modules states.

Modules in the canvas have valid and invalid states. Module is invalid it has no input edge and it is valid if it has input edge. Invalid nodes are marked with red border.

This does not apply to the input node, input node is always valid.

Workflow name: xxxxxx

Modules

A	Sample module name 1	A
A	Sample module name 22	A
A	Sample module name 341	B
A	Sample module name 233	D
B	Sample module name 44	C

< 1 2 3 >

| A | Input | A |

| A | Sample module name 22 | A |

| A | Sample module name 341 | B |

| B | Sample module name 44 | C |

Workflow name: xxxxxx

Modules

A	Sample module name 1	A
A	Sample module name 22	A
A	Sample module name 341	B
A	Sample module name 233	D
B	Sample module name 44	C

< 1 2 3 >

| A | Input | A |

| A | Sample module name 22 | A |

| A | Sample module name 341 | B |

| B | Sample module name 44 | C |

Workflow name: xxxxxx

Modules

A	Sample module name 1	A
A	Sample module name 22	A
A	Sample module name 341	B
A	Sample module name 233	D
B	Sample module name 44	C

< 1 2 3 >

| | Input | A |

| A | Sample module name 22 | A |

| A | Sample module name 341 | B |

| B | Sample module name 44 | C |