greenspark

Task background:

We would like you to create a front-end service that allows a user to display product widgets as well as update their settings. A product widget domain has immutable properties (id, type, amount, action) and mutable settings (color, active and linked states).

Domain description:

Product widget domain: Describes a product widget with its settings.

Property	Type	Description
id	number	The id of the product widget, incremental integer
type	"carbon" | "plastic bottles" | "trees"	The type of the impact
amount	number (integer)	The amount of the impact
action	"collects" | "plants" | "offsets"	The action which corresponds to an impact type
active	boolean	Describes if the widget (badge) is active
linked	boolean	Describes if the widget is linked to the public profile
selectedColor	"white" | "black" | "blue" | "green" | "beige"	Describes the current color of the widget

Non-technical requirements:

- As a user I want to see my product widgets.
- As a user I want to customize my widgets by changing their colors, active state and whether it's linked to my public profile (using client-side state management)
- Only one widget can have the active state at a time
- While there isn't a strict deadline, completing the homework should ideally take only a few hours. We hope to receive your solution within one week.

Technical requirements:

- You can find a Figma prototype for the UI design here. Please make sure that you sign up/login to Figma, so you can investigate the design details. We also recommend making a copy of the design for yourself.
- You can fetch the product widget DTOs and its initial properties from

  https://api.mocki.io/v2/016d11e8/product-widgets

- The initial properties should be reflected on page mount
- The UI can be implemented using any well-known framework or library (FYI, we use Vue.js, Vuex and Typescript)
- Please include a README describing what you've done and why, and how to run and use the service.
- Finish the task by implementing a simple, but production-ready, clean code. We would like you to be proud of the quality of your final code
- *Optional: Write appropriate tests for your frontend service (unit, Storybook)*

Please send us a link to your git repo when you're finished! If you have any questions, don't hesitate to get in touch.