



Practice test

Frontend Developer

The purpose of this practical test is to check the frontend coding skills for the web using the web standards and the Vue ecosystem technologies.

The main tasks consist of creating a small administrative interface, and a public area.

All the code must be made available in a .zip packages sent to us in response to the email sent with this test. The packages must contain a readme with instructions for setting up the applications. All the code must be written/documented in English.

About the scope

The main scope is to create a credit card manager and a public area where you can see the list of cards and check their details.

Administrative area (SPA in Vue)

* Do not use Nuxt

List of cards

- Use localStorage as storage;
- It must contain a link to the page to create new products;
- The list must be paginated on the frontend and contain a maximum of 10 items per page;
- The list can be filtered on the frontend by name;
- List items must have the Edit and Delete actions;
- The list must contain the name of the card, brand [Visa, Mastercard, Elo] and category [Silver, Gold, Platinum, Black];
- The list must be ordered by the name of the card;
- Only administrators can access the functionality (use static credentials to simulate authorization).



Card creation and editing

- Use localStorage as storage;
- Name, slug, image, brand, category are required;
- Credit card limit (amount) and annual fee amount are optional;
- The name cannot exceed 80 characters;
- The brand must be chosen from a single selection list;
- The category must be chosen from a single selection list;
- Show validation errors when one or more of the validation rules are violated;
- Only administrators can access the functionality (use static credentials to simulate authorization).

Card removal

- Display a confirmation dialog to confirm the action;
- Only administrators can access the functionality (use static credentials to simulate authorization).

General

- Each screen/feature must be on its own URL;
- The cards list, brands list and the categories list must be in a shared state;
- If necessary use a .json file to mock the underlying API.

Public area (SPA in Vue)

* Do not use Nuxt

Card details page

- Must display the details of a card on its own URL;
- Must follow the design concept available at <https://www.figma.com/file/IFsoPL4g4QRDINHmj08qKP/Teste-FrontEnd?node-id=69%3A497>;
- Must be available for mobile and desktop as in the concept.

Cards list (Home)

- List the cards paged by infinite scroll;
- Display card image and name in the list;
- Each page must contain 6 cards;
- When clicking on the card, display its details (name, image, brand, category, credit limit and annual fee ...);
- The page must be responsive (at least 2 widths: mobile and desktop);
- Try to use the styles of card details concept to create the cards list.

What will be evaluated

- Running the solutions;
- Easy setup;
- Technologies used;
- Packages used (less is better);
- Solutions architecture;
- Coding quality and standards;
- Best practices for web;
- Requirements compliance
- Usage of unit tests;
- Usage of Vue, VueRouter and Vuex concepts.