Name: BikeCheck

API: <https://bikeindex.org/documentation/api_v3#!/search/GET_version_search_format_get_0>

BikeCheck is a JavaScript web application that helps users verify the legitimacy of a used bike before purchase. By connecting to the BikeIndex API, the app allows users to search for details on a specific bike using its serial number or other identifying information. This project enables users to quickly check if a bike has been reported as lost or stolen, ensuring a more secure buying experience.

Key Features:

* Main page will consist of a Search feature, 24 items per page and pagination.
* Users can enter a bike’s serial number to retrieve information about a particular bike. If the bike has been stolen or lost, users will see a card with information about the bike.
* If there is no information about bike, user will see message “There is no information in database about bike ${bike.serial}”. So in this case users know that the bike sells without any issue.
* Users can search with other parameters such as model, color, location. Because some of the data doesn’t contain a serial number. If a user finds a similar bike that has been stolen, they can decide not to buy this suspicious item.
* Users can click on every item and see the details of it.
* Users can send a message to the owner if they have any information about a stolen or lost bike.

Must have:

* Search functionality by serial number, location, model, color - using form;
* Pagination;
* Bike item page with details;
* Messages in case of errors and rejected Promises;
* Show animation while loading data;
* Responsive design.

Nice to have:

* Form to contact with owner;
* Map with location where bike was stolen.

Color palette:

* Main background color (delicate cream color, almost white) - rgb(247,247,247);
* Background color for every item on the main page (white) - rgb(255,255,255);
* Text color (dark gray, almost black) - rgb(58,58,58);
* Header, footer, some text, some buttons (blue) - rgb(0,169,224);
* Some text, some buttons (warm yellow) - rgb(253,180,66).

I’ll take a look in style when JS code is finished and maybe change something for better user experience.