

Bike rental app

TECHNOLOGIES:

Frontend:

VanillaJS or one of these React /Angular/ Vue

Backend:

NodeJS and Express

Database:

PostgreSQL or MongoDB

TASK

FEATURES:

Create app for bike rental. App user should be able to:

- View list of available bikes;
- View list of rented bikes;
- Add new bike to available list;
- Delete bike from available list;
- Rent a bike (move bike from available to rented list);
- Cancel rent (move bike from rented list to available list);
- Calculate rent time for each bike;

Would be a plus:

- Decrease price due to rent time. If rent time of the bike more than 20 hours price decreases in half;

DESCRIPTION:

The page should contain a form for adding bikes. The form should consist of the following fields: Bike name — a text field, Bike type (road, mountain, etc.)—a dropdown list, Rent price—a numeric field,

When you click on the button **Add**, a bike should appear in the **Available** list.

Under the form, two lists of bikes should be displayed, **Available** and **Rented**.

A user can rent a bike from the **Available** list.

Next to each bike, there should be two buttons, **Rent** and **Delete**.

When a user clicks on the button **Rent**, the bike should disappear from the **Available** list and appear in the **Rented** list.

To cancel the rent, a user should click on the button **Cancel rent** next to the corresponding bike in the **Rented** list, and the bike should return to the **Available** list.

The total number of items in each list should be displayed above the lists.

All the information should be saved to a database on a server and loaded when the page is refreshed.

The design of the page should roughly correspond to the following mock-up:

Awesome Bike Rental

👤 Create new rent

Bike name	Bike type	Rent Price	
<input type="text" value="Ex. Cannondale S6"/>	<input type="text" value="Custom"/>	<input type="text" value="99.00"/>	<input type="button" value="Submit rent"/>

👤 Your rent (Total: \$12.99)

Superfast bicycle / Custom / \$12.99	<input type="button" value="Cancel rent"/>
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🚲 Available bicycles (3)

Superfast bicycle / Custom / \$12.99	<input type="button" value="Rent"/>	<input type="button" value="Delete"/>
Superfast bicycle / Custom / \$12.99	<input type="button" value="Rent"/>	<input type="button" value="Delete"/>
Superfast bicycle / Custom / \$12.99	<input type="button" value="Rent"/>	<input type="button" value="Delete"/>