

Labs: JavaScript

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1 First steps with JavaScript

1. Take a look at the shown example(s).
2. Similarly, create your own example for managing passengers. The information below will guide you through each step.
3. Create a constructor function for *Passenger*. These should have the following properties: id, firstName, lastName.
4. Create a constructor function named *PassengerManager*. This should manage passengers in an array and grant access to them. This array should be able to be passed. The *PassengerManager* shall have the following methods:
 - add – add passenger
 - getById – get passenger by id
 - getName – get passenger by last name
 - count – Return number of managed passengers
5. Test your solution.

2 Details of JavaScript

1. Extend your example with an *ExtendedPassengerManager*. This should also have an update method and its add method should check whether an entry with the specified id already exists. In this case, *add* should throw an exception.
2. Test your solution.
3. Bonus: Set up a module for your solution (without import and export).
4. Test your solution.