

Home Assignment. Closures & Callbacks

Mentor-Review

Module 1

Unit 1

Lesson 2

You need to submit this task for review.

Watch the video lessons to complete this task. If you have any questions, you may ask your mentor's help via Discord.

After you submit the completed task, mentors will review it. Don't worry if your work is not approved: you can always retake the assignment, and it won't affect your final grade.

Hint

Use Visual Studio Code to complete the tasks. The instructions on how to do that are in the video "Set Up Local Development Environment."

Hint

This is a step-by-step process. You can't proceed to the next task if you haven't completed the previous one.

Task 1. Design a bank application

Create a feature for a bank app that allows users to do 3 things: check their balance and withdraw or deposit money. It is forbidden to manually modify the balance. Users can only do it using the 3 rules mentioned above.

Develop a closure to enable this feature.

Hint

This is an analogy task to the one we have already solved in Guided Practice. Review case #4 to crack the task.

Hint

Complete the code below to solve the case using a closure.

```
function createBankAccount(name){
  let balance = 0;
  console.log("...");

  function depositAmount(amount){
    balance = ...
  }

  ...
}
```

Hint

You cannot withdraw an amount greater than your current balance.

Hint

Don't forget to return the inner functions. To return several inner functions, use curly brackets.

```
return {
  function1,
  function2,
  function3
}
```

Task 2. Try another way

Now, try to solve the same task using callbacks.

How to upload completed tasks

There are 2 ways to upload the assignment:

- 1 The best way is to write your code in Visual Studio Code, save the file with the ".js" extension, make a ".zip" archive, and upload the file here. This option is preferred.
 - 2 If this is easier for you, you can also copy your code from the Google Chrome console, paste it into a Word document, and upload the Word document here.
- ⊗ Keep in mind that we won't be able to download files with the ".js" extension right away. These assignments will be automatically rejected, so you will need to reupload them in ".docx" or ".zip".