

Home Assignment. Objects & Functions

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.

Hint

To complete this assignment, use your knowledge of all the topics in this lesson.

Task 1. Create a bank account

Develop a banking system. To do that, first, create an object named “bankAccount” with the following fields:

- “bankAccountID”, which is autogenerated
- “accountNumber”
- “credentials”, which is an array with a username, password, and pin
- “balance”, which is an amount of money
- “createdAt”, which is a date

Hint

You can write any imaginary data you like. However, please don’t use your real data because it’s not safe.

Task 2. Create a user account

Create an object which represents a user account and has the following fields:

- “bankAccount”, which is an object from task 1
- “debitCard”, which is a card number
- “firstName”
- “lastName”
- “birthDate”
- “validID”, which is an array with a type of ID—passport or driver’s license—and the ID number
- “address”

Task 3. Add functionality to the system

Outside the objects, create functions that enable interaction with a user’s bank account:

- “getBankAccountDetails”, which checks if the username and password are correct and shows the bank account details
- “withdrawMoney”, which checks if the username and password are correct and enables getting money from the bank account using the account number
- “depositMoney”, which allows putting money in the bank account using the account number

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”.