

Our basic Online Calculator should have a home page (/) where you see all four available operations: add, subtract, multiply and divide. Pretty simple stuff.

For each one of the available operations, we will have a form with two input fields and a button, which will go to another URL/route and display the result, like "The multiplication of 4 and 15 is 60" or "The addition of 10 and 39 is 49".

You should keep the main controller separated from the logic and the views, putting them in their corresponding folders.

For example, creating a Calculator class inside the lib/ folder could be a great idea. There you could create all the methods in charge of the mathematical operations, freeing the main controller of all the logic that doesn't concern it.

This way, for each route you define related to the Calculator you should only create a new instance of the class and use the basic methods you have defined.

So now it's your turn. Take the forms for each operation, assign them a route in the controller and create the view where the result will be display.

And for now we recommend you to don't spend your time in making it to look nice. We have many iterations ahead, a lot of functionalities to implement, and clean code to write. Don't worry. We will have plenty of time in the future to make pretty things.

Real calculators don't have different forms for each operation. Having a single form with two input fields and four buttons, one for each operation, would be closer to reality. Think a second about how we could implement it.