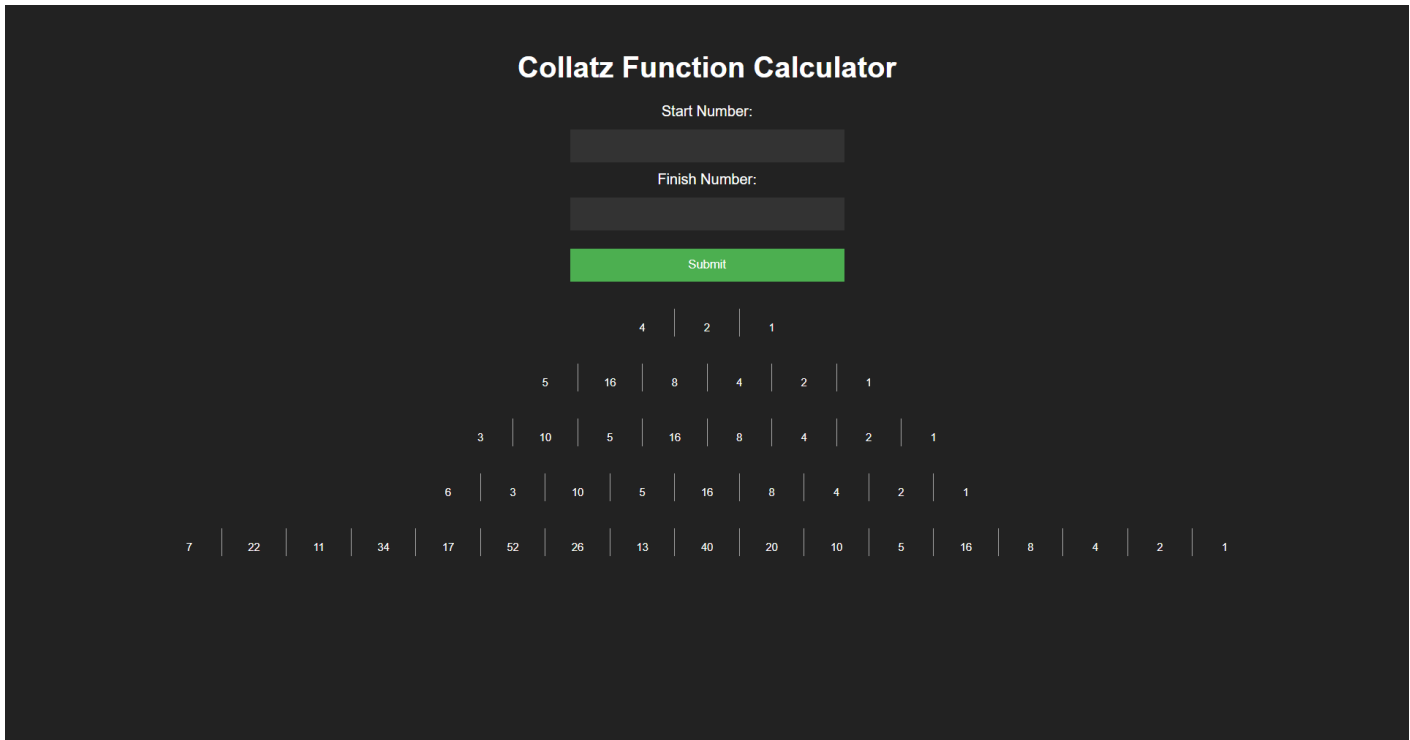




VILNIUS UNIVERSITY
ŠIAULIAI ACADEMY
BACHELOR PROGRAMME SOFTWARE ENGINEERING

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Collatz Class (collatz.php):

This class does math. It counts how many times you can play a game with a number until it becomes 1. The game rules are: if the number is even, you divide it by 2. If it's odd, you multiply by 3 and add 1.

HTML Renderer Class (html_renderer.php):

This class makes the website look nice. It creates the starting page where you put numbers and click a button. It also shows the result of the game in a cool way.

Main Program Class (main_program.php):

This class controls everything. It decides what to show on the website. If you put in numbers, it plays the game and shows the result. It uses the other classes to make the website work.

Overall Process:

When you open the website, the main program class starts. It shows you a form to put in numbers. When you submit the form, it plays the game with your numbers and shows the result on the website. It uses the other classes to do this.