Code a Friend

By European Parents' Association - EPA

Objective

Understanding the need for explicit instructions in coding.

Duration

15 min

Target group

Children 5+ yrs

Experience

beginner

Setup

One partner is the "coder," the other the "robot". The coder chooses a simple task for the robot and gives step-by-step instructions (an algorithm). The robot follows the instructions exactly
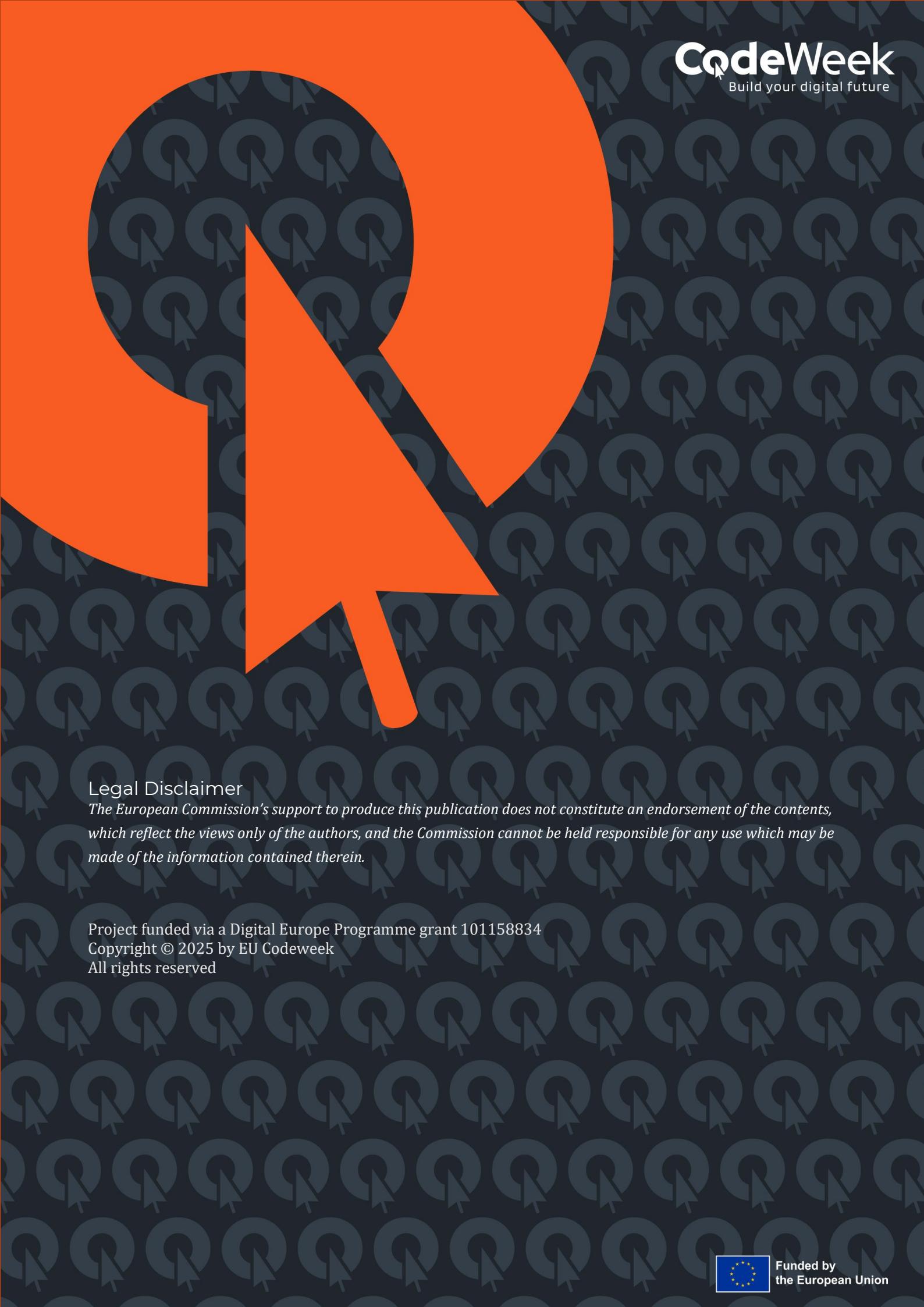
Description

The coder provides instructions, and the robot attempts to complete the task. If instructions are incorrect or not specific, it creates a bug, and the algorithm needs to be redone. Partners switch roles.

Discussion and Reflection

Discuss the importance of clear instructions, what happens with unclear/missing instructions, how this is similar to functions in programming, how functions make programming easier, and other everyday examples of functions/procedures.

CodeWeek
Build your digital future

Legal Disclaimer
The European Commission's support to produce this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Funded by the European Union