

Before the experiment



Participants Recruitment

Participants invited via mailing lists and local advertising in a university



During the experiment



Group Assignment

52 participants randomly assigned to try one of the two programming tools



Task Resolution

Participants had 105 minutes to solve the three picking and placing tasks



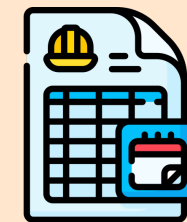
Training

Video tutorials trained participants about the assigned tool and experiment task



Questionnaire

Participants responded to demographic questions and gave feedback on the tool.



Data Annotation

Proctors observing participants annotated information about their performance, completion times, and mistakes



After the experiment



Data Analysis

Descriptive analysis of the annotated data and qualitative analysis based on the feedback of participants in the questionnaire