CapStudio: An Interactive Screencast for Visual Application Development

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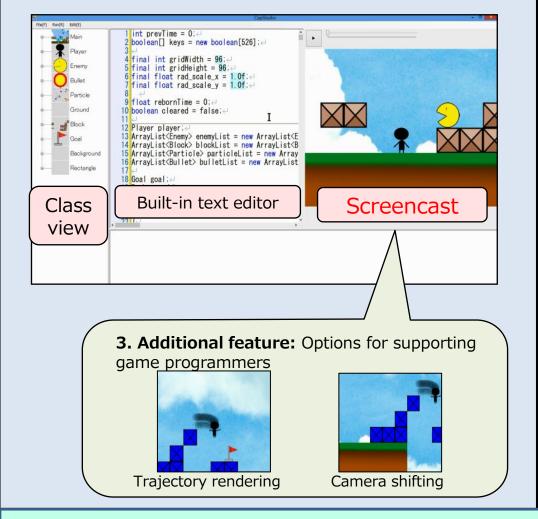
The University of Tokyo

CapStudio IDE

A Processing IDE with an interactive *screencast*

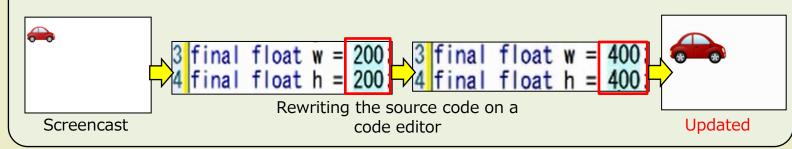
Screencast:

- A pseudo preview window for a game programming
- A captured output window with Forward/Backward editing functionalities

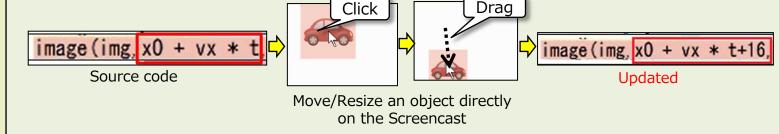


What programmers can do with Screencast

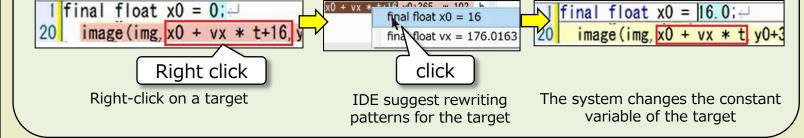
1. Forward Editing: CapStudio can reflect the modification in a screencast to the source code



2. Backward Editing: CapStudio can reflect the modification in a source code to the screencast



• IDE suggests the rewriting for refactoring of constant variables



Implementation

Recording rendering history of the application, not capturing the application window as a Video

- Generate the screencast with the rendering history
- Use the rendering history for Forward/Backward editing

