

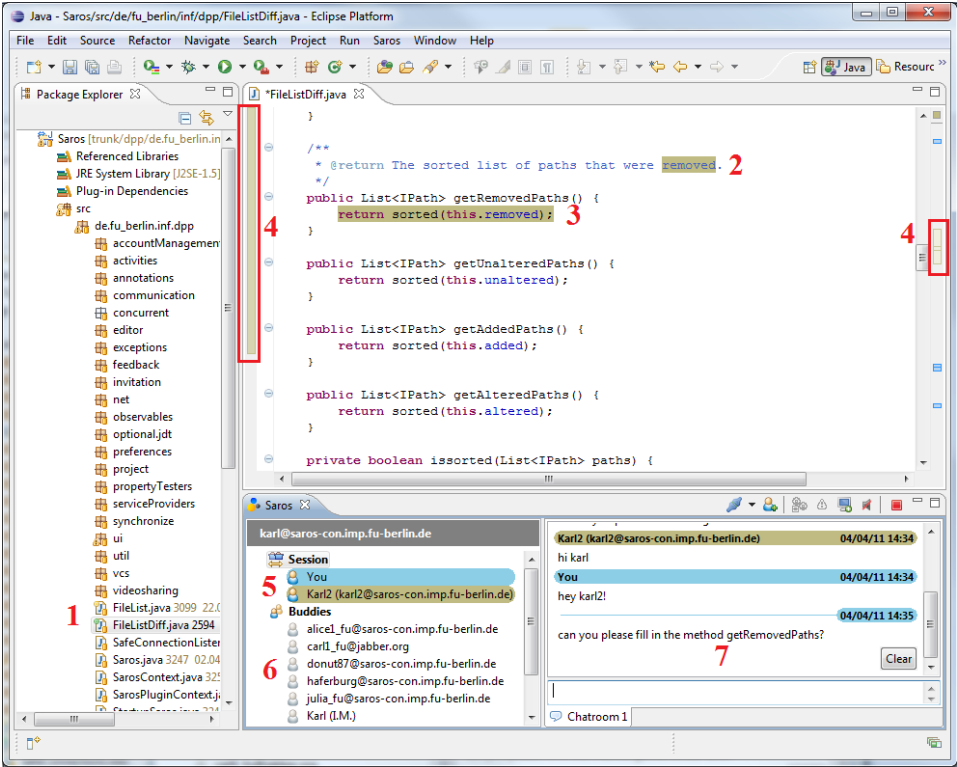
# Saros Whiteboard

**Creating an IDE-independent Version of the Saros  
Whiteboard Using Web-Technologies**

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# Saros

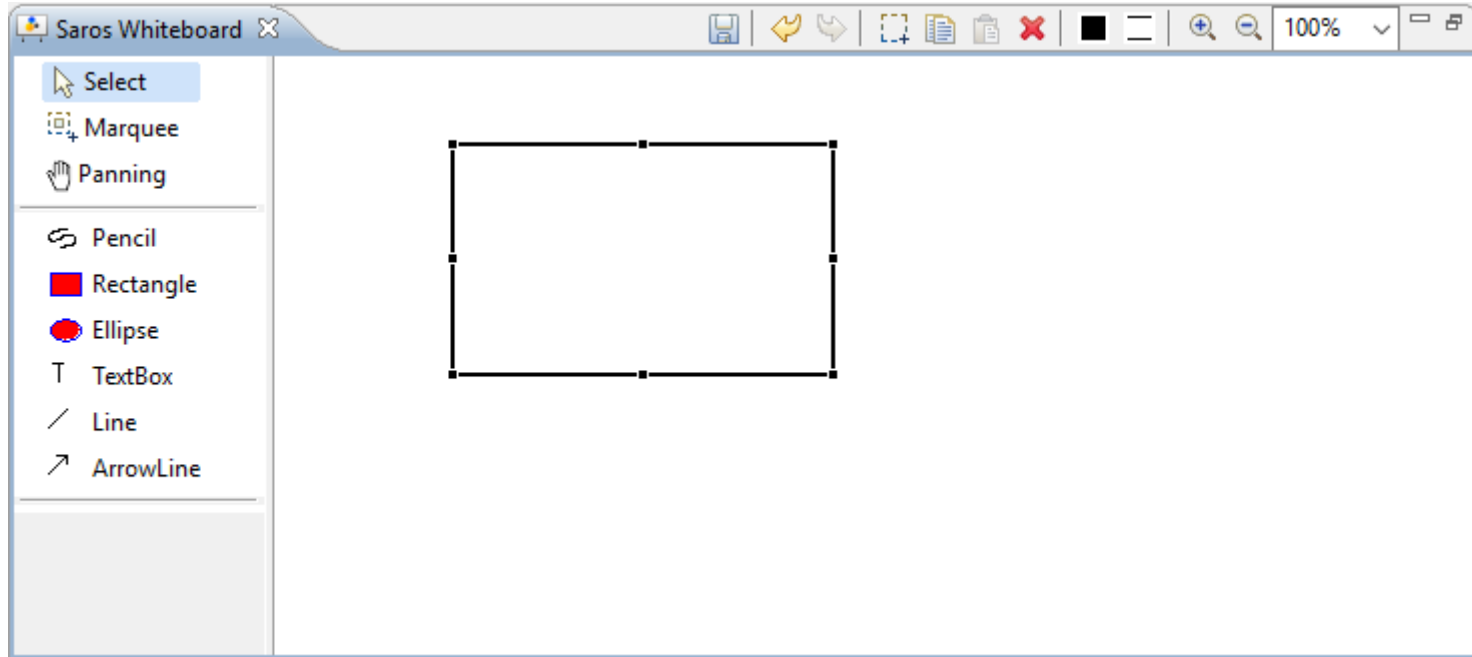


The screenshot shows the Eclipse IDE interface with the Saros plugin. The Package Explorer on the left shows the project structure. The main editor displays the code for `FileListDiff.java`. The Saros chat window is open at the bottom, showing a conversation between Karl2 and other users.

Annotations in the image:

- 1**: Points to the Package Explorer.
- 2**: Points to the comment `/* @return The sorted list of paths that were removed. */`.
- 3**: Points to the code `return sorted(this.removed);`.
- 4**: Points to the vertical scrollbar on the left and right sides of the code editor.
- 5**: Points to the Saros chat window header.
- 6**: Points to the chat message `Karl2 (karl2@saros-con.imp.fu-berlin.de)`.
- 7**: Points to the chat message `can you please fill in the method getRemovedPaths?`.

# Whiteboard



# Why?

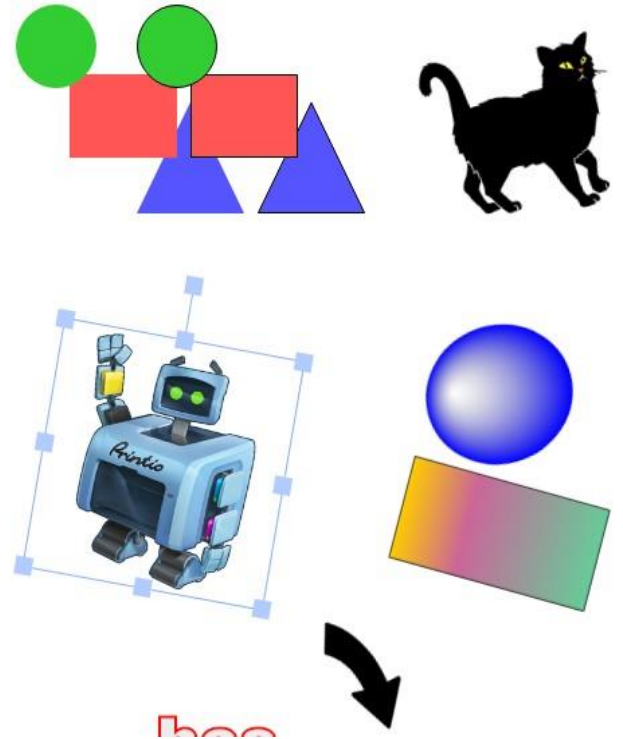
Simply put: IDE Independence

# Rendering Engine

- Flash
- CSS
- Canvas
- SVG

# Rendering Engine

## Fabric.js



# Sync Java → JavaScript

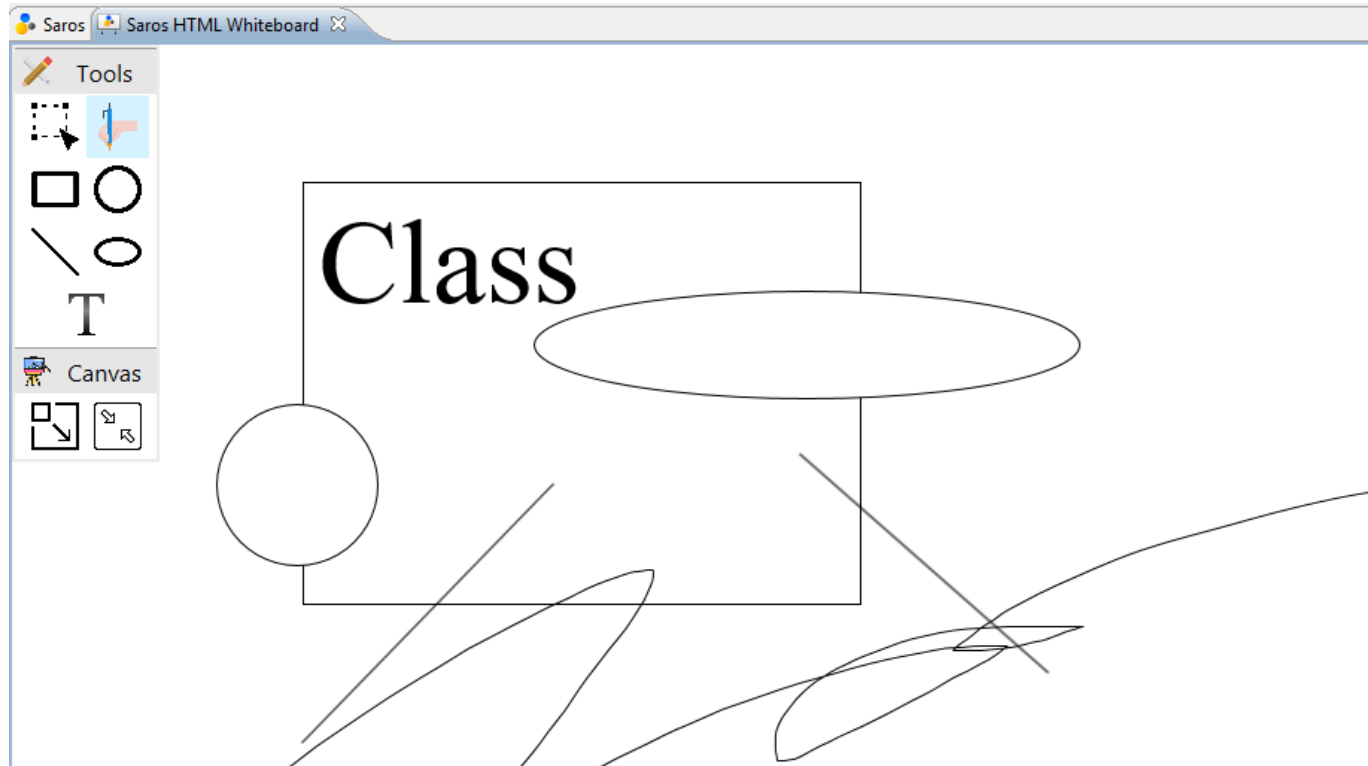
- Move data to browser
- Duplication and consistency watchdogs



# Sync Java & JavaScript

- Message events from SXEController
- Initial sync

# Outlooks



# Thanks

[tinyurl.com/saros-html-wb](https://tinyurl.com/saros-html-wb)

Demo maybe?