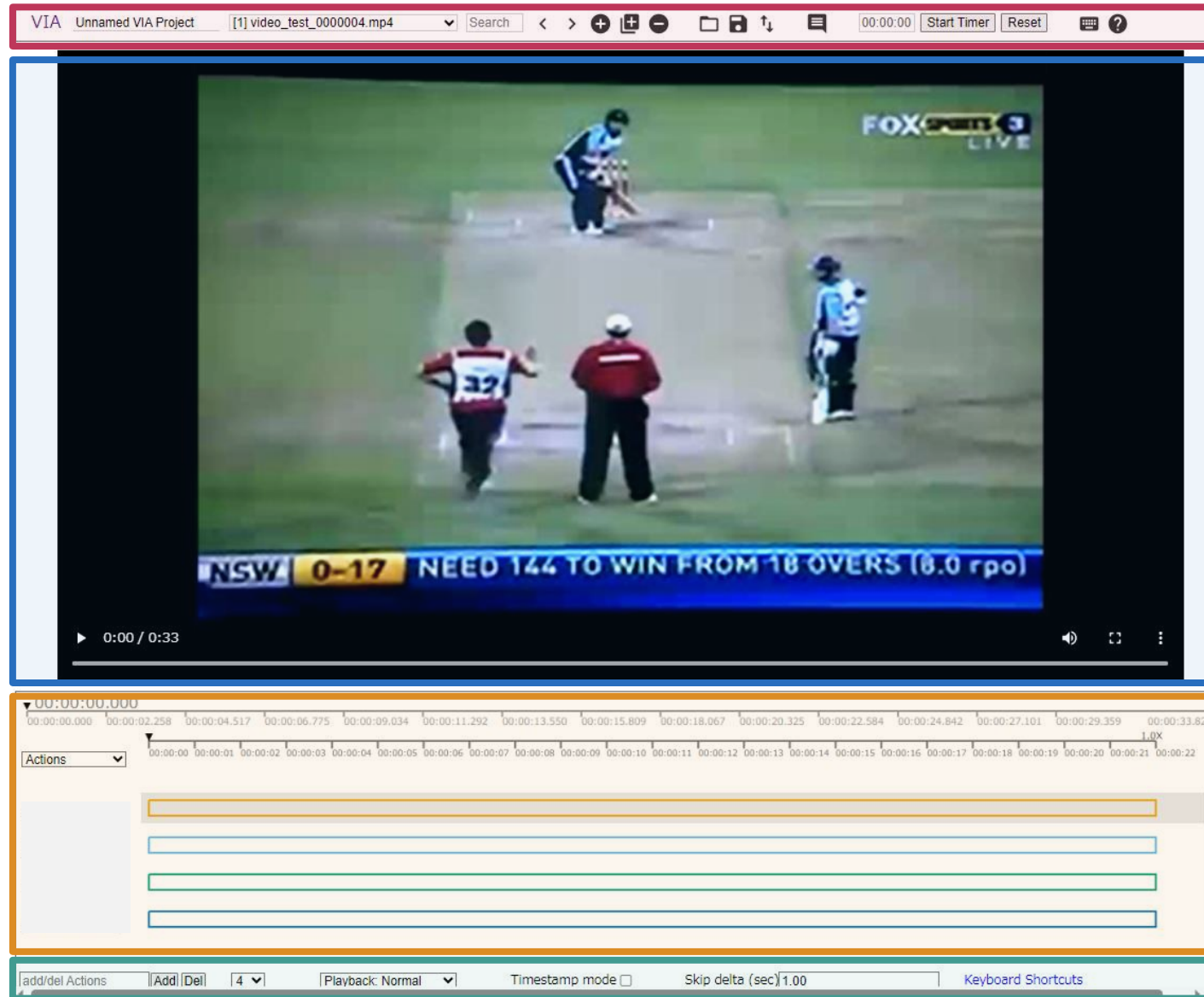


User Guide of Annotation Tool

Screen Layout and Basic Operation

Screen Layout (after loading a project file and a video)



Control Panel

Video View

Action Segment Panel

Tool Bar

Control Panel

- ① Open a video
- ② Open a VIA Project file
- ③ Save a VIA Project file
- ④ Timer display
- ⑤ Start/Stop button for Timer
- ⑥ Reset button for Timer



Video View

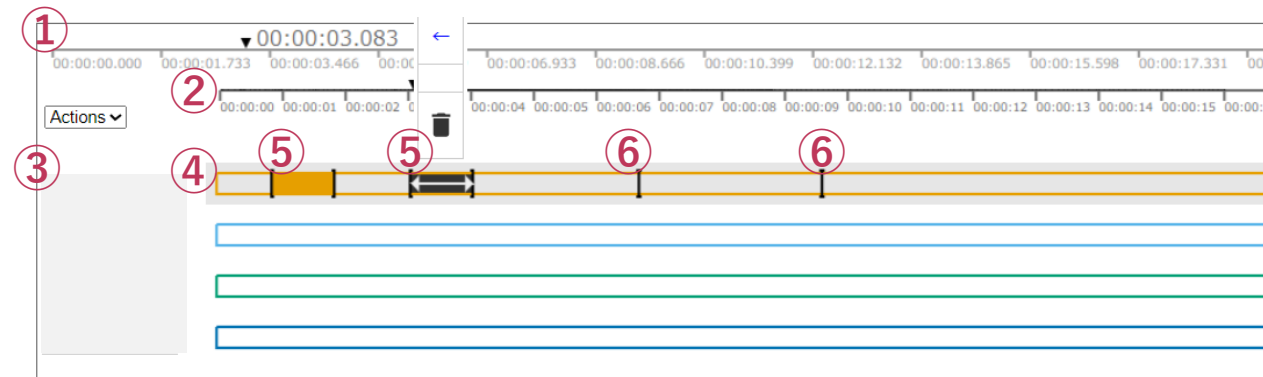
- ◆ **Space:** Play/Pause Video
- ◆ **N:** Move forward by “Skip delta” seconds
- ◆ **N + Shift:** Move forward to the next multiple of “Skip delta” seconds
- ◆ **P:** Move backward by “Skip delta” seconds
- ◆ **P+Shift:** Move backward to the previous multiple of “Skip delta” seconds

Click for more keyboard shortcuts



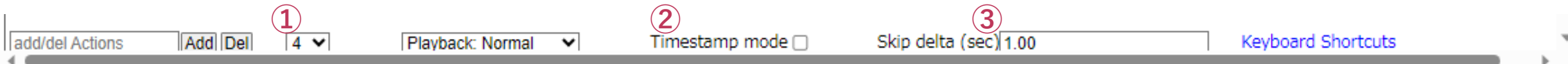
Action Segment Panel

- ① Seek bar
 - The triangle shows the current position
 - Jump to the position if clicking the lower part of the bar
- ② Magnified seek bar
 - Same as the seek bar but magnified
- ③ Name of an action class
- ④ Action segment bar
 - Shows action segments/point labels of a class
 - Selected bar is highlighted by grey background
- ⑤ Action segments
 - Selected segment is filled by black
- ⑥ Timestamps
 - Point labels entered in the timestamp mode



Tool Bar

- ① Number of displayed action segment bars
- ② Toggle Timestamp mode
 - Point labels, instead of action segments, are entered in the timestamp mode
 - Use this for point-level/AAPL annotations
 - Change of the modes affects the labels input after the change
- ③ Skip delta (see the “Video View” page for how this works)

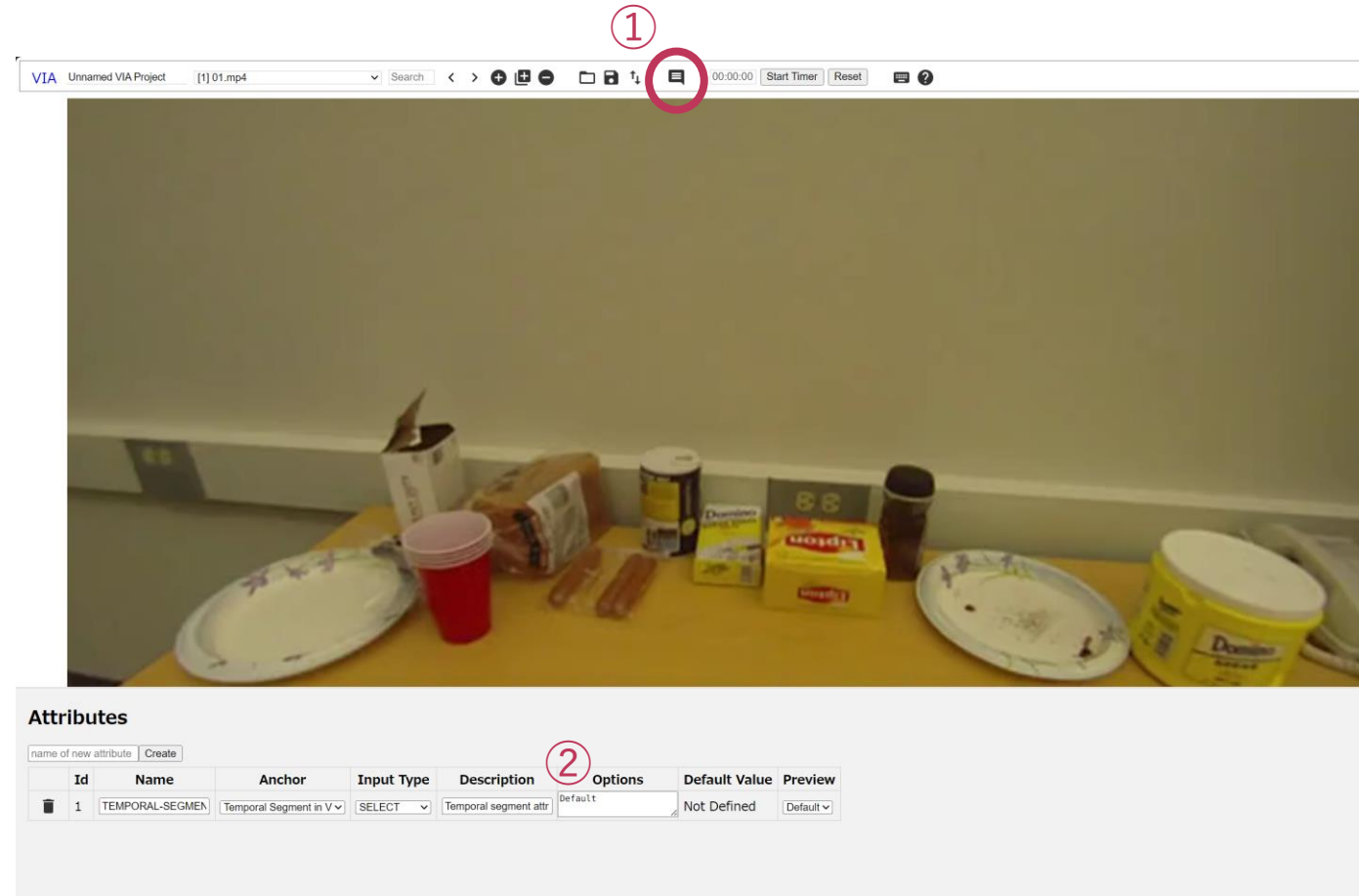


Annotation Operation

Preparation for Full/Point-Level/AAPL Annotation

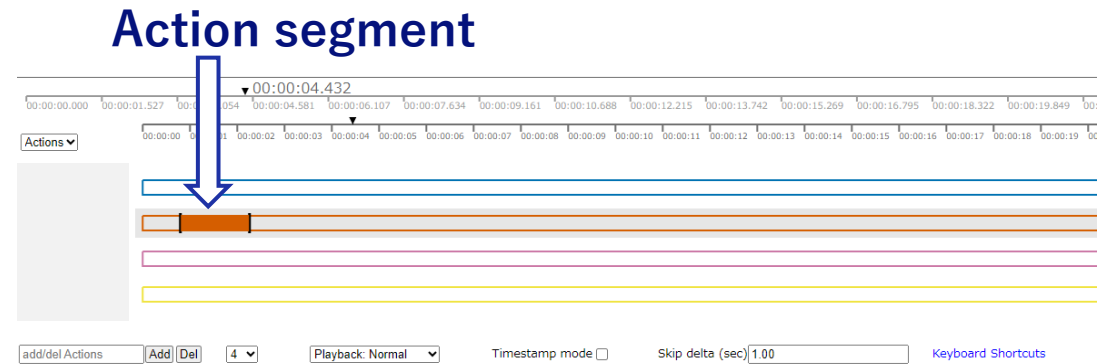
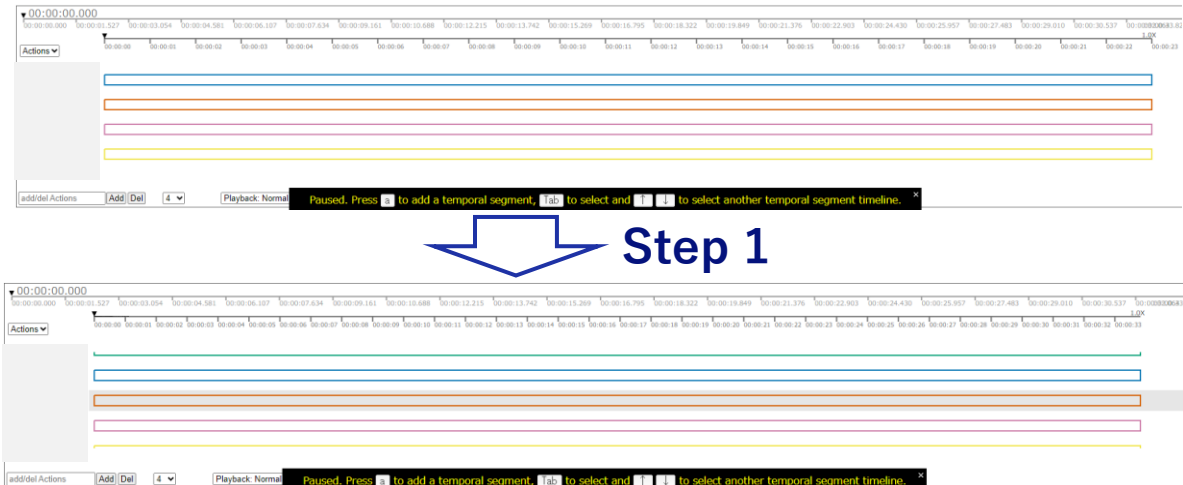
◆ Steps

- ① Click Show/Hide Attribute Editor to show the attribute editor
- ② Enter the comma-separated list of action class names in “Options”
- ③ Hide the attribute editor
- ④ (Point-Level/AAPL only)
Enable the timestamp mode
(see “Tool Bar” for how to do this)
- ⑤ (AAPL only) Enter “Skip delta”
(see “Tool Bar” for how to do this)
- ⑥ Now you are ready to annotate the video



Adding an Action Segment

1. Select an action class by click the Action Segment Bar next to the class name
2. Record the starting point of an action segment by pressing the “A” key
 - Segment of one second long starting at the current position (default mode) or a point label (timestamp mode) is recorded
3. Update the ending point of the segment by pressing “Shift + A”
 - This operation is invalid in the timestamp mode



Editing/Deleting an Action Segment

◆ Change the starting/ending time of an action segment

■ Two methods

1. Drag the edge of the action segment on the action segment bar
2. Select the segment by clicking it, and then press L, Shift+L, R, Shift+R (see the keyboard shortcut list for the effects of these keys)

◆ Move an action segment

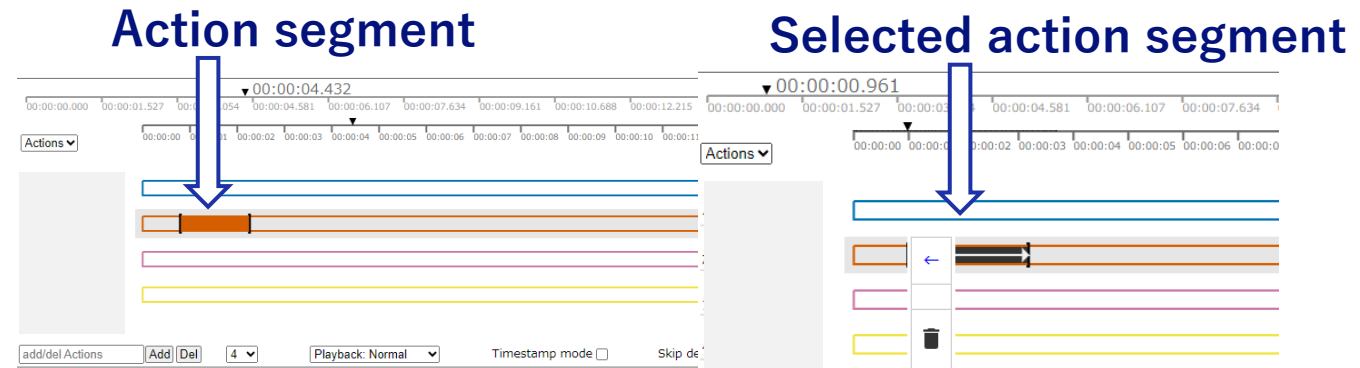
■ Two methods

1. Drag the body of the action segment
2. Select the segment, and then press the left/right arrow key

◆ Delete an action segment

■ Two methods

1. Select the segment, and click the trash bin icon
2. Select the segment, and press the backspace key



Preparation for Video-Level Annotation

◆ Steps to enter video-level labels

- ① Click Show/Hide Attribute Editor to show the attribute editor
- ② Select “Attribute of a File” in “Anchor”
- ③ Select “CHECKBOX” in “Input Type”
- ④ Enter the comma-separated list of action class names in “Options”
- ⑤ Video-level labels can be entered using the checkbox at the top-left of the video view

The screenshot displays the VIA video annotation interface. At the top, a toolbar contains a speech bubble icon circled in red with a '1' above it. Below the toolbar, a video frame shows a kitchen counter with various items. In the top-left corner of the video frame, a 'TEMPORAL-SEGMENTS' panel is visible, with a checkbox circled in red and a '5' above it. Below the video frame, the 'Attributes' panel is shown. It includes a 'name of new attribute' field and a 'Create' button. Below this is a table with columns: Id, Name, Anchor, Input Type, Description, Options, Default Value, and Preview. The first row of the table has the following values: Id: 1, Name: TEMPORAL-SEGMENT, Anchor: Attribute of a File (e.g. i), Input Type: CHECKBOX, Description: Temporal segment attr, Options: Default,aa,bb, Default Value: Not Defined, and Preview: ☐ Default, ☐ aa, ☐ bb. The 'Anchor' column is circled in red with a '2' above it, the 'Input Type' column is circled in red with a '3' above it, and the 'Options' column is circled in red with a '4' above it.

Id	Name	Anchor	Input Type	Description	Options	Default Value	Preview
1	TEMPORAL-SEGMENT	Attribute of a File (e.g. i)	CHECKBOX	Temporal segment attr	Default,aa,bb	Not Defined	<input type="checkbox"/> Default <input type="checkbox"/> aa <input type="checkbox"/> bb