Media Capture: Bugs To Consider

June 2014

Status: The ones from May's deck

- 22214 How long do permissions persist?
  - proposal in https://github.com/fluffy/webrtc-w3c/pull/33
- 22337 When does the light come on?
  - Closed, in security considerations
- 25707/25708 Async settings
  - Closed - wontfix
- 23820 Special values in constraints
  - Closed with constraints revamp
- 25298 FacingMode of "other"
  - Agreement on resolution. Assigned to jib
- 25247 GetCapabilities without a track
  - Closed - wontfix (irrelevant after caps revamp)
- 24015 Event to signal "devices have changed"
  - Closed - added
- 23128 "get access" call
  - Closed - remains "won't do this"

Scanning was effective in resolving issues.

Others closed since May meeting

- 23934, 25604, 25652, 25768, 25773, 25784, 25789, 25805, 25860 (and more)
- Editor process seems to be working

But - still 47 bugs in the database.

Bugs we don't need to scan here (I think)

22251	Define better error when no video or audio source is available
22271	Terminology section should not have conformance requirements
24933	deviceId is not registered as constraints, so apps can't choose device based on the device enumeration
24934	invalid definition for the "seekable" attribute when MediaStream is set to srcObject. When seekable.length is "0", seekable.start(0) and seekable.end(0) should not return currentTime.
25245	Specify "access" in the context of getMediaDevices
25298	How to represent VideoFacingMode if browser is not able to detect the FacingMode of the camera.
25605	Definition of MediaStreamTrackEvent is not complete
25609	MediaStreamErrorEvent is incomplete
25629	Give more clarity on initializing AduioTrack.enabled and VideoTrack.selected in "Loading and Playing a MediaStream in a Media Element"
25650	In getUserMedia algorithm if user denies permission spec is wrongly redirecting to Constraint Failure.
25651	All the links in spec should redirect to specified contents without failure.
25725	getUserMedia constraints should be non-nullable
25752	sourceType is redundant as constraint
25763	does the ID really have to be exaclty 36 char long?
25765	Need to move a bunch of text around
25766	Problem with constraints failure when there is no constraint.
25767	Missing Ref to Image Capture spec
25769	Need extensibility for media types that are not audio or video
25770	MediaStreamTrack disassociated meaning
25771	Explanation of constraints in GUM call
25772	Not clear what goes in the same group
25774	Mixed isolation
25775	Do we need both MediaDeviceKind and SourceTypeEnum
25776	add groupID to MediaTrackConstraintSet
25777	Capabilities seem under specified
25778	SourceType enum should be extended
25779	Computation of largest set of unordered constraint
25780	Clarify step 3 of clone
25782	Do we need multple constraintsNames in error object
25785	peerIdentity displayed to user in device selection UI
25787	More clarification required while explaining started event.
25788	Spec should explicitly specify whether the return types can be nullable or not.
25793	Make facingMode a DOMString for now to avoid throwing on future facingModes
25794	Make facingMode a VideoFacingModeEnum again once enum default notation is supported in webidl.
25802	Remove peerIdentity
25803	Mark section entitled "The model: sources, sinks, constraints, and settings" as non-normative
25804	Change 'remote' attribute definition
25809	Security issue: Abuse of "call me" URLs
25810	Change all extensable enum to DomStrings
25884	Constraints should be reworked to May 21 consensus
25988	Need a list of MediaStreamError "name" values
26062	fixing the description of the "_readonly" attribute on MediaStreamTrack
26111	need typedef of ConstrainVideoFacingMode

22214 How long do permissions persist?

Hope this is an easy one by now.

- Stored permissions: Until revoked
  - includes label permissions
- Single-use permissions: Until device close
  - A device closes when all tracks sourced from it have stopped.
- Label permissions: Until all devices close

Text proposal exists.

25248 MediaStreamTrack.stop() and the ended event

To fire or not to fire? That is the question

- Not fire: Consistent with some other APIs
- Fire: More consistent behaviour(?)

25801: getNativeSettings()

The need for this has been challenged. To stay or to go?

- Need: To figure out what the actual mode of the device is
- Challenge: Why do we need to know?

Stuff we don't need should be removed. Stuff we need stays. Which is it?

25786 Allow file for device

- When we can generate stream from <video>, most cases for JS-driven usage of file disappear.
- Some people have argued for user-driven (JS-invisible) originating of media from file.
  - Is this needed? (argumentation: do not lock out users without e.g. a camera from accessing services)
  - If so - is it part of the spec?
- One suggestion: Remove all mention of "file".
  - UAs can do what they want

The Bug Fix Pipeline (simple bugs)

- Bugs are filed
- Editors determine that solution is obvious
  - If not, chairs ensure discussion happens
- Editors make a fix
  - May consult with people active in discussion to verify solution
- Editors check in fix to github, and close bug
  - Bug close contains link to github commit
  - Bug close always sent to TF mailing list
- If people are unhappy, bug will be reopened

How You Can Help

- When filing bugs, make them as clear and actionable as possible
- If you want specific phrasing, make a pull request
  - Merging pull requests is *easy* (if they're fresh)
- Editors, backed by chairs, take final decision