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| **USE CASE** | **User Posting To Forum** |
| **Preconditions** | User account exists. User is logged in. User has connection to the server. User has working microphone. |
| **Success End Condition** | Post added to forum thread (including audio and textual versions). |
| **Failed End Condition** | Post is discarded. Forum remains unchanged. |
| **Actors** | User (primary), UI (secondary), Forum Management System (tertiary), Admin (quaternary). |
| **Trigger** | User clicks “post” button after recording their message and confirming it is correctly internally annotated. |
| **Successful Path** | 1. User records voice message. 2. Voice message run through voice to text program to generate text. 3. Transcribed text is displayed to user. 4. User confirms text is a correct transcription of their voice message 5. User clicks “post” button. 6. Text length checked by system. 7. Post text checked against forum banned phrases. 8. User is displayed a loading text alert. 9. Validated audio and text post is appended to forum thread. 10. User entry field discarded. 11. Post successful alert displayed to user. 12. User returned to forum thread with their post now visible. |
| **Unsuccessful Paths** | 1a. Microphone access/use denied – Display microphone unusable error to user.  1b. Recording cancelled – Restart cascade, alert user recording was cancelled. Discard post data.  1c. Post interface not displayed – Display interface error. Return to forum.  1d. User exits – Post discarded, user directed to chosen page.  2a. Transcription failed – Transcription error displayed to user. System requests they annotate manually or re-record their message.  3a. Transcribed message not displayed – Transcription display error, alert user that their text cannot be displayed at this time.  4a. User voice message different to transcription – Discard transcription, restart cascade.  5a. Post not sent to server – Retry request (5) times with delay between, if successful: Stop. If unsuccessful: Display post upload error.  6a. Text length invalid – Disable post feature, user alerted message is too long. Disabled until text length is appropriate.  7a. Post contains banned content – Banned content error displayed, user returned to forum, post discarded.  8a. Unable to display alert – Continue cascade.  9a. Unable to append, thread no longer exists – Thread deleted error displayed, user sent to forum home page, forum remains unchanged.  9b. Unable to append, user ID is banned from server – Banned user error displayed, user sent to forum home page, forum remains unchanged.  9c. Unable to append, internet or server error – Connection error displayed, user remains on post creation page with data stored until further action, forum remains unchanged.  10a. Unable to discard entry field – Alert system admin with entry field discard entry error.  11a. User redirected to forum thread.  12a. Unable to return to thread – Return to home page. |