1. Introduction

Goal of this project is an Extension Update for this extension:

https://chrome.google.com/webstore/detail/google-meet-attendance/fkdjflnaggakjamjkmimcofefh
ppfljd

Goal of the update is to achieve the following aspects:

- Add a video content blocking mode feature that blocks videos from starting on all websites.
- Add the new features in an update to allow the users receiving it via optional permissions (All urs, web request, web request blocking).
- Integrate alerts that motivate people to use the new feature including an update page
- Do a redesign of the different menu items
- Bugfixing

2. Safe Screen Sharing mode

The Video content blocking mode feature can be activated and de-activated in the browser action menu (checkbox, see screen Browser Action Menu.png). When activated. it blocks all videos on any website from playing. The goal is to avoid unwanted videos from playing when a user is sharing the screen in a video call. When a user wants to play a video, an overlay over the video appears with a warning and the user can decide to play the video or not.

3. Implement new feature

The required permissions for Safe Screen Sharing mode are:

- all urls
- web request blocking
- webrequest

Safe Screen Sharing mode should be integrated as optional permissions. When a user requires the feature, he can accept the new required permissions.

Important: Once he activated the new feature, the new permissions need to stay active even when he deactivates the Safe Screen Sharing mode.

4. Motivate the user to activate the feature

Once the extension is updated with the new version, we want to motivate the user to activate the feature in the following ways:

- In the popup menu on the google meet website.
    - „Activate the new Safe Screen Sharing mode now" when starting a call we show a message: „hey user there is a cool new Safe Screen Sharing mode, Activate it here"
    - Browser Popup Menu.png
- when user starts a call he gets an alert
    - „Activate the cool Safe Screen Sharing mode now for your safety"
    - Browser Start Call.png
    - This can only happen three times.
- Update Page
    - with the update we want to open an update page saying: „hey, there is a new feature Safe Screen Sharing, activate now"
    - Browser Update Page.png

5. UX Redesign

The existing UX items should be redesigned to make them look more modern and user friendly. This can be done by the developer or we can provide a design by a different designer so it just needs to be implemented.

6. Bugfixing

Students names being duplicated in the class lists in two different formats. I believe that this is due to a setting in the Grid View Fix extension. This would need to be fixed.

7. Deliverables

New Extension build including

- Safe Screen Sharing Mode functionality
- Integration of the feature with optional permissions
- New feature activation requests (point 4)
    - including Update Page with request to activate new functionality and accept optional permissions (functionality. Design can be changed later)
- new UX design can also be provided by us if necessary. Then only needs to be implemented
- Bugfix