Release Summary
YT Comments Reborn
The Revivers
4 June 2023
Revision 1.0

- **User Story #1.1:** As a YouTube viewer I want to make a comment on restricted videos and see it
    - **Acceptance Criteria:**
        - User should be able to see comments on restricted videos
        - Posting a comment should interact with the database
        - Able to have HTML overlay
        - Setup database and get basic schema
        - Have a web server with initial endpoints
        - Have server interact with database
- **User Story #1.2:** As a user, I would like to use the app as Chrome extension
    - **Acceptance Criteria:**
        - User should be able to use Chrome extension and have the functionality of a web app
        - Have the frontend app as Chrome extension
- **User Story #2.1:** As a Youtuber I want my viewers to be able to give me feedback even in the case my comments are disabled
    - **Acceptance Criteria:**
        - A comment written by a user should be stored for others to see
        - Link the frontend overlay to the backend to store comments
- **User Story #2.2:** As a commenter I want to be able to be identified by my username
    - **Acceptance Criteria:**
        - Users should be able to sign in with their Google Accounts and see their profile pictures and usernames
        - Use Google OAuth to access and use user's email profile picture and username
        - Map unique user-ids to display names
        - Implement Google Sign-In to grab usernames from Google accounts
- **User Story #2.3:** As a commenter I want to be able to reply to others
    - **Acceptance Criteria:**
        - Users should be able to interact with other users by replying to them
        - Replies should appear as subcomments to the original comment
        - The reply endpoint and schema are setup in the backend
- **User story #3.1:** As a YouTube user I want to be able to comment and see other people's comments in real time [5]
    - **Acceptance Criteria:**
        - Users can see posted comments without refreshing the page

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- **User story #4.1:** As a YouTube Comment Reader I want to be able to like/dislike comments [2]
    - **Acceptance Criteria:**
        - Users should be able to interact with other users by liking/disliking a comment
        - Create backend request to get likes/dislikes
        - Setup web server endpoints to pass likes/dislikes
        - Pass like/dislike updates from frontend to backend
- **User story #4.2:** As a YouTube user I want to be able to sort comments by date or popularity [1]
    - **Acceptance Criteria:**
        - Users should be able to view comments by most recent, or by most popular
        - Have a button that change the sorting by date or by popularity

Known Bugs:
- Two different machines are unable to use the Chrome extension at the same time as Google Cloud only allows one extension ID to be used at a time.
    - In order to fix this, we would need to have the extension validated and approved by Google.
- Comment state does not change when changing videos on the same tab causing comments from other videos to be displayed on an unrelated video.
    - A quick refresh will display the correct contents.
- All sample commenters have the same profile picture.

Product Backlog:
- Profanity / Hate Speech Filter
- Don't leak implementation details in error messages