

**Heading:** Release Plan, YT Comments Reborn, The Revivers, Release Reborn, 6/4/2023,  
Revision 1.0 6/4/2023

- **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
    - Make a web server with initial endpoints
    - Make 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
    - Make 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:**
    - Use Google OAuth to access and use user's email profile picture and username
    - There is a way to 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
    - Replies appear as regular comments and not as subcomments to a comment
- **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
- **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 date or popularity

**Known Bugs:**

- Two users 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

Trello: <https://trello.com/b/a6EqNP3j/version-10>

### **High level goals:**

1. Be able to leave comments on YouTube videos that have a restricted comments section.
2. Create a web browser extension interface that allows for this functionality.
3. Comments are stored on a web server so that users can view others' comments.

### **User Stories:**

#### **1. Sprint 1**

- a. As a Youtube viewer I want to be able to make a comment so that I can see it even when comments are turned off on YouTube [1]
- b. As a user I want the convenience of using this app as a Chrome extension [2]

#### **2. Sprint 2**

- a. As a Youtuber I want my viewers to be able to give me feedback even in the case my comments are disabled [3]
- b. As a commenter I want to be able to be identified by my username and be able to reply to others [3]

#### **3. Sprint 3**

- a. As a YouTube user i want to be able to comment and see other peoples comments in real time [5]

#### **4. Sprint 4**

- a. As a YouTube user I want to be able to sort comments by date or popularity [1]
- b. As a YouTube Comment Reader I want to be able to like/dislike comments [2]

### **Product Backlog:**

1. As a kid I want to comment on my favorite TV shows on Youtube Kids
2. As a YouTube user I want to be able to login with my Google account.