*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID #1329

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**Project:** VIP Website 7.0

**Product Owner(s)**: Francisco Ortega, Masoud Sadjadi

**Mentor(s)**: Jose Ponce

**Instructor**: Masoud Sadjadi

**User Story Name:** Add infinitely many YouTube videos to a project

* Description: As a user, I want to be able to add as many YouTube videos to a project as possible, exceeding the three video maximum that currently exists.

Acceptance Criteria

* The videos should be displayed in as a gallery on the page.
* Fix the YouTube playlist field, as it does not currently have any functionality implemented.
* Add thumbnails of YouTube videos to the project’s card.

**Use Case**

* Name: Administrator adds video and/or playlist to a new project.
* Actor: PI/CoPI
* Preconditions: Admin must be logged with proper privileges and be on the project proposal page.
* Description:

1. PI/CoPI fills out required fields and reaches the video field.
2. PI/CoPI types/inserts a YouTube video URL into the Video Link field.
3. PI/CoPI clicks Add Video button.
4. The VIP website responds by adding the video to a list below the Video Link field with an appropriate thumbnail image.
5. Steps 2-4 are repeated for each YouTube URL, whether it be a playlist or single video.
6. PI/CoPI clicks the Submit button at the bottom of the page and the video(s) are saved with the project.

* Name: Administrator removes video and/or playlist from a project.
* Actor: PI/CoPI
* Preconditions: Admin must be logged with proper privileges and be on the existing project’s proposal page.
* Description:

1. PI/CoPI finds the video in the list on the project proposal page.
2. PI/CoPI clicks Remove Video button.
3. The VIP website responds by removing the video from the list.
4. PI/CoPI clicks the Submit button at the bottom of the page and the video(s) are removed from the project.

* Name: Administrator adds YouTube channel link to a new project
* Actor: PI/CoPI
* Preconditions: Admin must be logged with proper privileges and be on the project proposal page.
* Description:

1. PI/CoPI fills out required fields and reaches the Link to your YouTube pagefield.
2. PI/CoPI types/inserts a YouTube channel URL into the Link to your YouTube pagefield.
3. PI/CoPI clicks Add Video button.
4. PI/CoPI clicks the Submit button at the bottom of the page and the channel link is saved with the project.

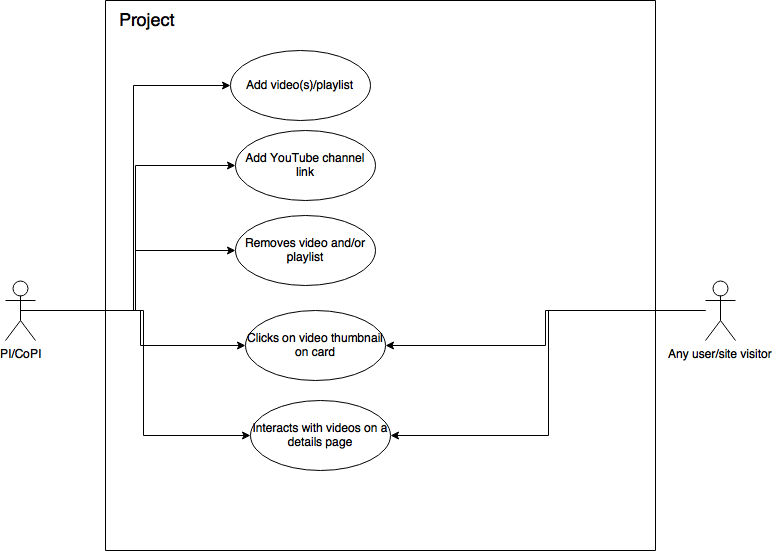
* Name: A user/site visitor clicks on a video thumbnail on a project card.
* Actor: any user/site visitor
* Preconditions: A user/site visitor must be on the Projects page.
* Description:

1. User/site visitor sees a project that looks interesting.
2. User/site visitor clicks on a video thumbnail located on the project card.
3. User/site visitor sees a modal window appear and plays the selected video from the modal window.
4. User/site visitor clicks the link below the video in the modal window to go to the project details page.

* Name: A user/site visitor interacts with videos on a project details page.
* Actor: any user/site visitor
* Preconditions: A user/site visitor must be on a chosen project details page.
* Description:

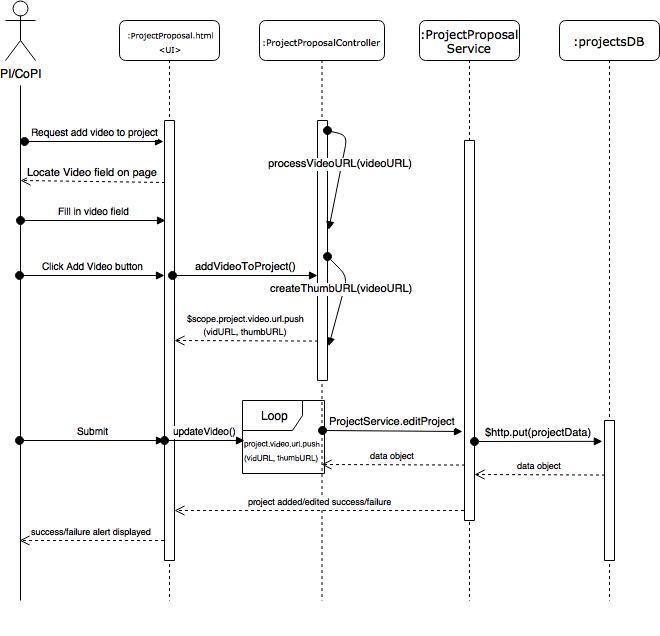
1. User/site visitor sees a video player, along with several additional videos associated with the chosen project.
2. User/site visitor plays the first/initial video that is shown with the project.
3. User/site visitor clicks on a video thumbnail underneath the video player to change to a different video.
4. User/site visitor plays the newly selected video in the video player.

**Use Case Diagram <**you can use draw.io**>**

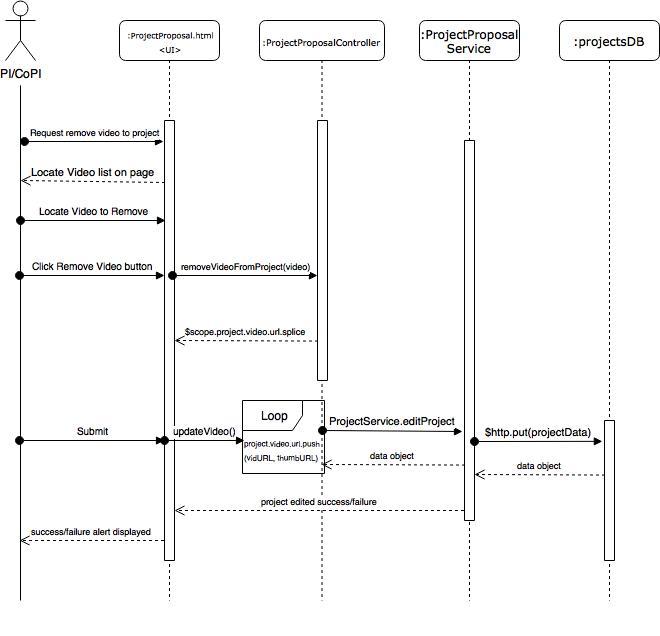


**Sequence Diagram**

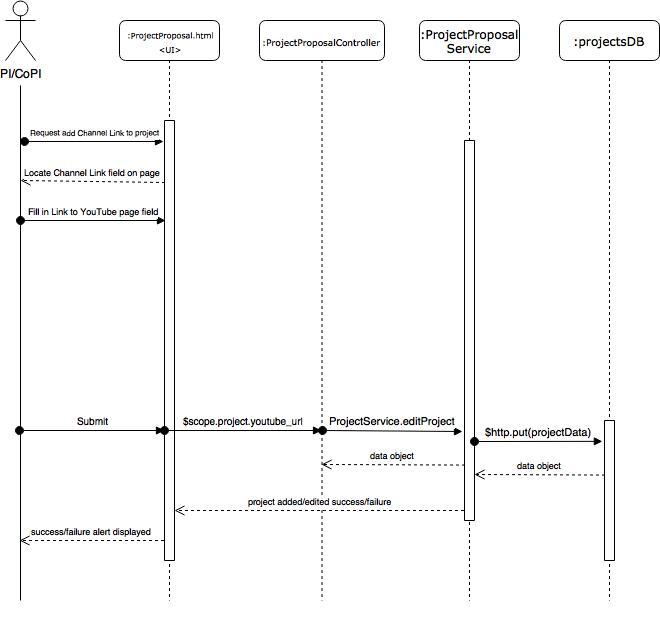
Add Video



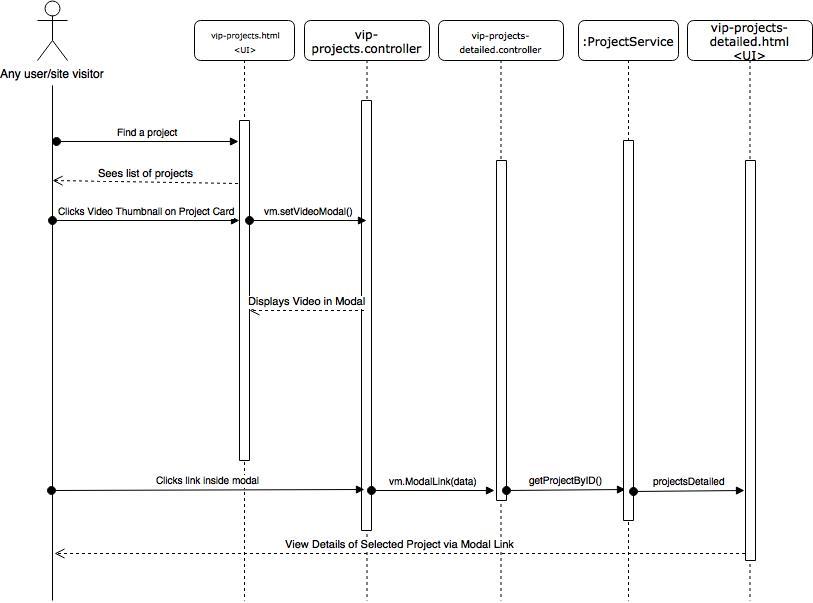
Remove Video



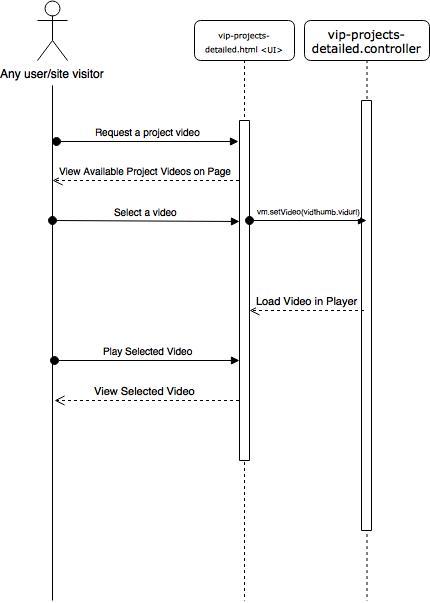
Add Channel link



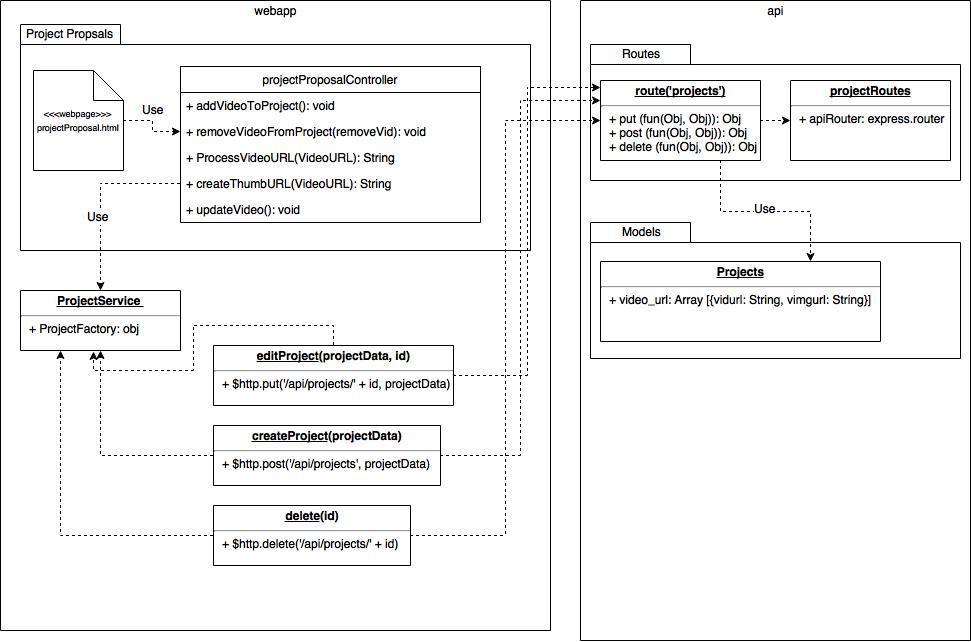
Click a thumbnail on card



Interact with videos on project details page



**Class Diagram**



**Unit Test**

* Test case ID: VIP-1329-U1
* Description: Add a new video to a project
* Summary of Test:

1. Tester enters YouTube URL or YouTube playlist URL into Video Link field.
2. Tester clicks Add Video button.
3. Tester observes that the new video is added to video list.
4. Tester presses Submit button to save changes/create a new project.

* Test Data
  + Video URL: <https://www.youtube.com/watch?v=iqMpy8oxNws>
* Pre-condition:

1. Admin must be logged with proper privileges.
2. Admin must be on the project proposal page.

* Expected Results:

1. Video will be added to the project in the database, along with a proper thumbnail
2. Video will be shown on the project card and project details page

* Actual Result:

1. Video was added to the project in the database, along with a proper thumbnail
2. Video was shown on the project card and project details page

* Status (Fail/Pass): PASS
* Test case ID: VIP-1329-U2
* Description: Removes video and/or playlist from a project.
* Summary of Test:

1. Tester finds video to remove in video list.
2. Tester clicks Remove Video button.
3. Tester observes that the video is removed from the video list.
4. Tester presses Submit button to save changes/update the project.

* Test Data
  + Video URL: <https://www.youtube.com/watch?v=iqMpy8oxNws>
* Pre-condition:

1. Admin must be logged with proper privileges.
2. Admin must be on the project proposal page.

* Expected Results:

1. Video will be removed from the project in the database, along with its thumbnail
2. Video will no longer be shown on the project card or project details page

* Actual Result:

1. Video was removed from the project in the database, along with its thumbnail
2. Video is no longer on the project card and project details page

Status (Fail/Pass): PASS

* Test case ID: VIP-1329-U3
* Description: Add YouTube channel link to a new project
* Summary of Test:

1. Tester enters YouTube channel URL into the Link to your YouTube page field.
2. Tester presses Submit button to save changes/create a new project.

* Test Data
  + Channel URL: <https://www.youtube.com/user/FloridaInternational>
* Pre-condition:

1. Admin must be logged with proper privileges.
2. Admin must be on the project proposal page.

* Expected Results:

1. YouTube Channel Link will be added to the project in the database
2. YouTube Channel Link will be shown on the project details page under the Discover More section

* Actual Result:

1. YouTube Channel Link was added to the project in the database
2. YouTube Channel Link was shown on the project details page under the Discover More section

Status (Fail/Pass): PASS

* Test case ID: VIP-1329-U4
* Description: Click on a video thumbnail on a project card
* Summary of Test:

1. Tester enters YouTube URL or YouTube playlist URL into Video Link field.
2. Tester clicks Add Video button.
3. Tester observes that the new video is added to video list.
4. Tester presses Submit button to save changes/create a new project.

* Test Data
  + Click on thumbnail for video: <https://www.youtube.com/watch?v=iqMpy8oxNws>
* Pre-condition:

1. Tester must be on projects page

* Expected Results:

1. Tester will see a modal window containing the video
2. Tester will press play to view the selected video
3. Tester will click the link in the modal window to view the project associated with the video

* Actual Result:

1. Tester saw a modal window containing the video
2. Tester pressed play to view the selected video
3. Tester clicked the link in the modal window to view the project associated with the video

Status (Fail/Pass): PASS

* Test case ID: VIP-1329-U5
* Description: Interact with videos on a project details page
* Summary of Test:

1. Tester selects a video to view on the project details page
2. The video is loaded into the video player
3. Tester presses play to view the video

* Test Data
  + Click on thumbnail for video and press play: <https://www.youtube.com/watch?v=iqMpy8oxNws>
* Pre-condition:

1. Tester must be on a project’s details page

* Expected Results:

1. The selected video will be loaded in the video player
2. Tester will play the video

* Actual Result:

1. The selected video was loaded in the video player
2. Tester played the video

Status (Fail/Pass): PASS

**Integration Test**

* Test case ID: VIP-1329-G1
* Description: User and Admin Email will be notified when user submits a new project or makes changes (like adding or removing a video) to an existing project
* Summary of Test:

1. Tester enters a test site admin email into the admin email input
2. Tester selects the entered admin email and selects the ‘change’ button
3. VIP-1329-U1, VIP-1329-U2, and/or VIP-1329-U3 was executed successfully
4. Upon successful execution of VIP-1329-U1, VIP-1329-U2, and/or VIP-1329-U3 an email is automatically sent to the product owner email and admin email specifying whether a new project has been proposed or edited/changed

* Pre-condition:

1. User must be logged with proper privileges.
2. User must be on the admin panel - admin maintenance page

* Expected Results:

1. The new video(s) will be added/removed from the specified project
2. The product owner(s) and site admin will receive an email notification

* Actual Result:

1. The new video(s) were added/removed from the specified project
2. The product owner(s) and site admin each received an email notification

Status (Fail/Pass): PASS

**Visual User Guide** <like one or two screenshots of the feature. For the hardware project, a photo of device is required>

