

# IMY 220

## Assignment 4:

### jQuery

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Due: Wednesday 30 August @ 23:59

The submission instructions are available on ClickUP. Any deviation from these instructions will cause a 10% deduction from your mark.

#### Instructions

- Use jQuery to add the functionality to be able to send messages using the provided form and embed an iframe if a YouTube link is detected.
- Download *index.html* from ClickUP. This file contains the markup for an input tag and two buttons that you will use to send messages. You will need to create and include a new file called *script.js* which will contain all the code for this assignment. You are not allowed to add any markup, such as classes or ids, to the code in *index.html*. You are however allowed to make some changes to the internal CSS that is provided.
- You must use *on()* for event handling and you must use the recommended syntax from the slides for adding new elements.

#### Part 1 – Adding a new message

Add the following functionality when the button with the class of “submit” is clicked:

- All your messages should be added to the div with the class of “messages” and “row”.
- After doing this, you will need to add a new div element. This element must be added on top of the div with the class of “messages”.
- This newly added div must take up a third of the width of the row and it will also need an offset of a third of the width of the row. It must be rounded, and it must also have a bottom margin.
- The value of this div will be the value of the text area with the id of “message”. If this value is empty, then a message should **NOT** be added.
- Also, side note: The CSS in the screenshot provided can be changed, but it can also be left as it was given. The CSS can be found in *index.html*. If you did this correctly you will have the following result:

#### Send message

Type a message and hit send

The screenshot shows a form with a text input field containing the placeholder text "Left send button". Below the input field is a dark grey button labeled "Send". To the right of the input field is a blue button labeled "Send". Below the input field, centered, is a light blue rounded rectangle containing the text "Left send button".

## Send message

Type a message and hit send

Right send button

Send

Right send button

Send

## Send message

Type a message and hit send

:)

Send

Send

Hey, how's it going?

All good, just working on an assignment

Are you ready for the IMY220 class?

:)

In this screenshot, the message “:)” was sent last

### Part 2 – Embedding an Iframe

For this part, you will need to add functionality that will detect a YouTube link. If a link to a YouTube video is detected in your message, then an iframe needs to be generated with the video link. The following must happen:

- If a link is detected an iframe needs to be **appended** to your message. The Width of this iframe must be 100% (i.e., it fills up the entire column that it's in) and the height can be set as 315px.
- You **must** still be able to have text before and after the YouTube video link (like the screenshots below). I recommend using Regex for this, but any form of string manipulation can be used.
- **Please note** that you will need to run the assignment on a XAMPP environment (i.e., run it on localhost like with php) because of CORS errors.
- Hint: if you want to see the properties that are needed for an iframe, go onto a YouTube video and select share. You will see an option for “embed” and it will provide you with the code for an iframe.

If you've done all of this correctly, a message that contains a YouTube link will look like this:

## Send message

Type a message and hit send


Send

Send

Hey, whats the cool video you showed us in class?

Oh yeah

Here, it's a video Stewart made for the UP library  
<https://www.youtube.com/watch?v=HXWg70efTBk>



WOW

That is so funny and creative man

### Part 3 - GIT

Create a Github account (if you don't have one already) and create a (public) repository called IMY220-Assignment4. Commit the required files to this repository and save the (public) link to this repository in a text file called github.txt, for example: <https://github.com/username/IMY220-Assignment4>. The result of this should be that whoever is marking your work should be able to navigate to that link, click on the Clone or Download button, and click on Download ZIP to download your file for this assignment, which is the file that will be used for marking purposes. (However, you will still have to submit index.html and script.js in a zip file on ClickUP.)

### Bonus

If you got the assignment working, you will notice that you are only able to get one link to show up as an iframe at a time. Add functionality to be able to send multiple YouTube links in one message and get them to show up as iframes in the same message. These iframes should be added underneath each other.

## **Additional Information**

- Refer to the slides and online resources for help
- Comment your name and student number at the top of your files

***Submit only the following file(s) according to the submission instructions.***

- *index.html*
- *script.js*