

A short horizontal bar with a teal left half and an orange right half.

Demo presentation

Educational image tool

Web Technology
(706.704)

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A horizontal bar with a teal segment on the left and an orange segment on the right.

Educational tool for computer vision

With our app, we show how pictures are composed in the digital world:

- Split pictures into their RGB channels
- Interact with the channels using drag and drop
- Understand the alpha channel with an interactive slider
- Experience how different image displays are composed
- Save your modified image locally

A horizontal bar with a teal segment on the left and an orange segment on the right.

We used...

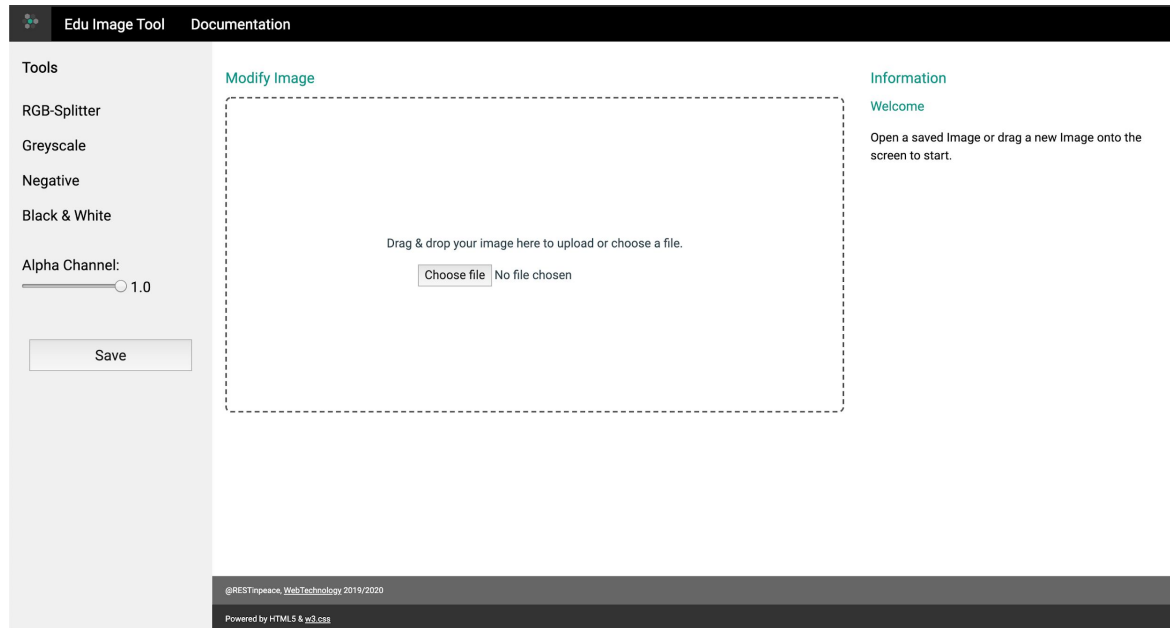
- Semantic Markup
 - To structure our application; <nav> for toolbar and <footer> for additional information
- WebForm components
 - Allows user to interact with the image operations
- Drag & Drop
 - Use drag & drop to upload an image
 - Interact with image using drag & drop on the canvas

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We used...

- Canvas element
 - For manipulating the uploaded image.
- WebWorker
 - Used to handle the image operation in a multi-threading manner.
- FileSystem API
 - For uploading and storing an image from and to local hard drive.

Our result





Our demo





Feedback

