

# GI Digital

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## Introduction

GI digital is a start-up known for revolutionizing the way endoscopies and colonoscopies are done. They created a device called capsule endoscopy, which is a camera in the size and shape of a pill that records the entire tract when going through the human digestive system.

I created a custom video player with various functionalities in which gastro-intestine doctors will use to view these endoscopy recordings.

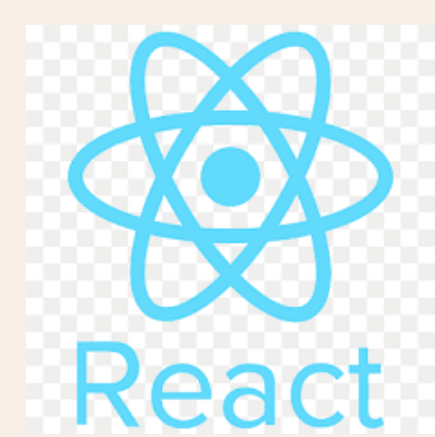
## Technologies Used

### Microsoft Azure:

Used to convert proprietary video formatting to mp4 or jpeg and to enable streaming access.

### ReactJS:

Framework used to build the website and video player.



## Main Page

### Time and Frame Display

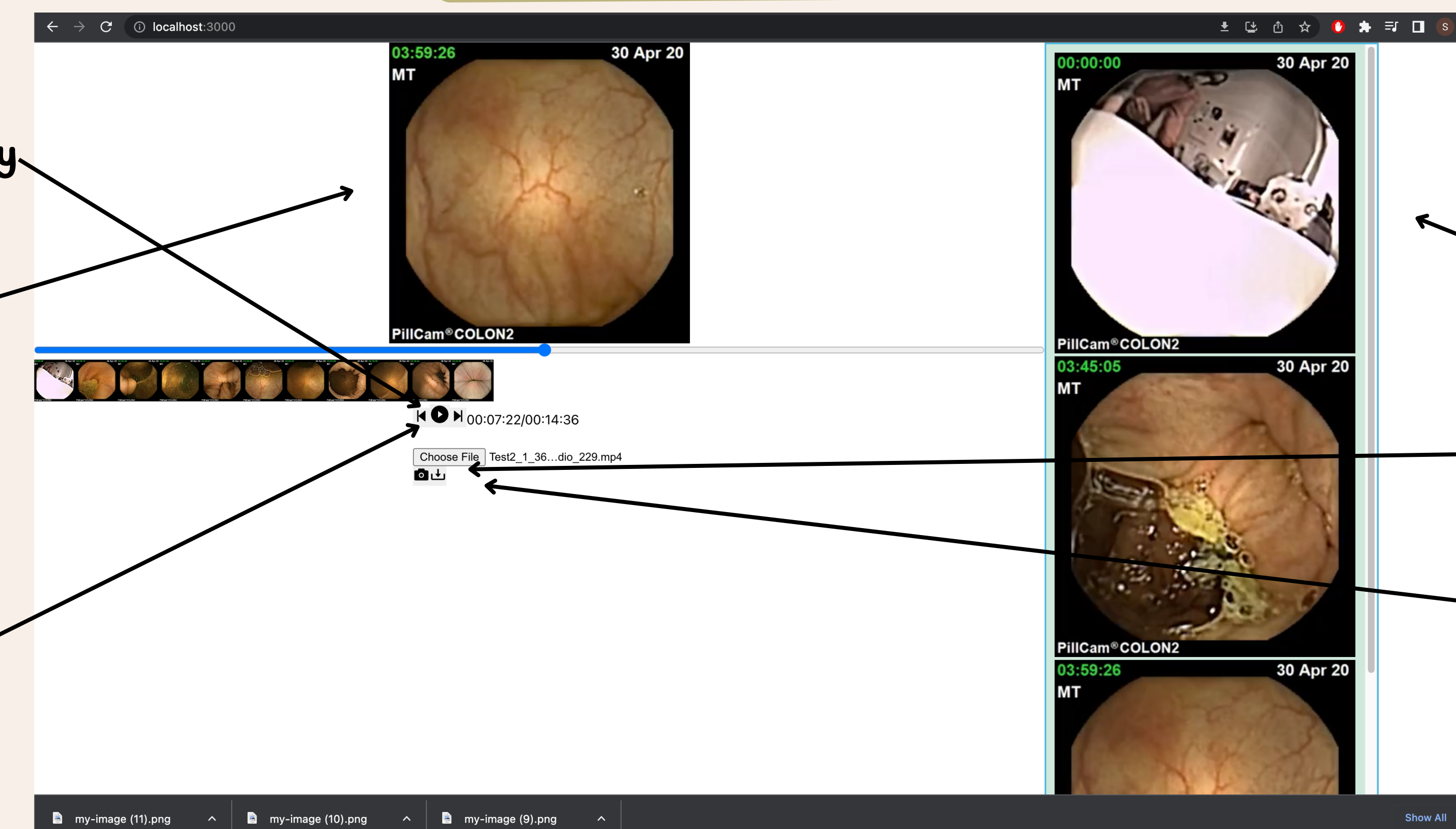
### Video Source:

Location where video is played.

### Play/pause

### Step Forward/Back:

Move 5 seconds back or forward.



**Image Capture Display:**  
Screenshots taken are shown here.

**Image Capture:**  
Screenshot button.

**Image Download:**  
Button to download screenshot images.

## Future Work

My work with GI Digital is not complete. As far as the course length, I was able to complete the basic functionalities of a video player, but still need to implement the other functionalities that were in the vision of this project.

Functionalities still needed:

- Image annotating
- Multiple layout view
- Image/summary reporting

## Why Use This Video Player?

- Allows recorded videos to be live streamed to patients.
- Serves unique functionalities for GI doctors to use to provide better services.

## Creator

