Code, Camera, Action!
How Developers Create and Use Code Walkthrough Videos
Laura MacLeod, Andreas Bergen, Margaret-Anne Storey - University of Victoria

```
 6  function Tween( elem, options, prop, end, easing ) {
 7    return new Tween.prototype.init( elem, options, prop, end, easing );
 8  }
 9  jQuery.Tween = Tween;
10
11  Tween.prototype = {
12    constructor: Tween,
13    init: function( elem, options, prop, end, easing, unit ) {
14      this.elem = elem;
15      this.prop = prop;
16      this.easing = easing || "swing";
17      this.options = options;
18      this.start = this.now = this.cur();
19      this.end = end;
20      this.unit = unit || ( jQuery.cssNumber[ prop ] ? "" : "px" );
21    },
22    cur: function() {
23      var hooks = Tween.propHooks[ this.prop ];
24
25      return hooks && hooks.get ?
26        hooks.get( this ) :
27        Tween.propHooks._default.get( this );
28    },
29    run: function( percent ) {
30      var eased,
31        hooks = Tween.propHooks[ this.prop ];
32
33      if ( this.options.duration ) {
34        this.pos = eased = jQuery.easing[ this.easing ](
35          percent, this.options.duration * percent, 0, 1, this.options.duration
36        );
37      } else {
38        this.pos = eased = percent;
39      }
40      this.now = ( this.end - this.start ) * eased + this.start;
41
42      if ( this.options.step ) {
```

L.MacLeod; A.Bergen; M.Storey - 21 videos

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12,061,713

104,902   4,077

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Video walkthroughs are becoming more prevalent in today's culture for on-boarding, training and marketing aimed at developers. Social media allows the dissemination of this information to a larger audience.

Our work focuses on analyzing YouTube videos to explore how developers present code in video walkthroughs. We interview video creators to identify the practices and strategies that contribute to making these videos.

We hope this work will improve the practices and tool support for developers creating code walkthrough videos.
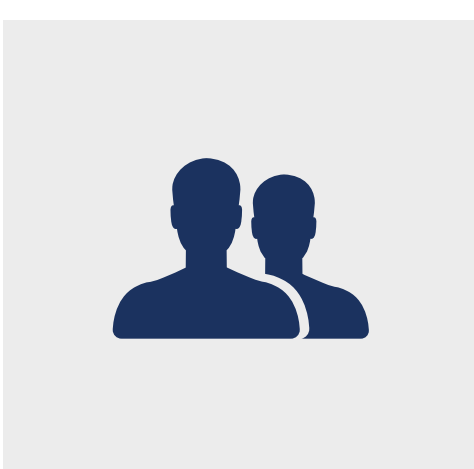
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Research Questions

How do developers produce code walkthrough videos?

How do developers describe code in these videos?

Why do developers make code walkthrough videos?

Methodology

Grounded Theory: using video analysis and interviews.

Future Work

Are code walkthrough videos effective?

Can we build tools to improve code walkthrough videos?

Contact

Laura MacLeod

lmacleod@uvic.ca

@LauraAnnMacLeod

University of Victoria

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thechiselgroup.org