



# Tribal Knowledge



Mentors: Joe Korngiebel and Leighanne Levensaler

UCSB Capstone 2013: Scott Bishop, Andrew Cooney, Leif Dreizler, Zach Sperske, Andrew Thomas

UCSB: Chandra Krintz, Tim Sherwood, Stratos Dimopoulos



## Overview

In today's market of fast growing technology companies, employers need an easy way to share and preserve internal knowledge that employees can access at anytime. Tribal Knowledge is a web application that solves this problem by making it simple to upload, find, and view video tutorials specific to each company on a desktop or mobile device. Employees are able gain essential knowledge from the video tutorials as well as comment on and rate videos in order to provide feedback and improve the tutorials



## Upload Page

With Tribal Knowledge, uploading a multi-step tutorial has never been easier. Once you have chosen a video to upload, you can add a title, description, and tags to help other employees find it. From there, you are able to easily add steps to your tutorial

Adding steps is quick and intuitive, just give a step a title start time and add it

Step 1:	Start	0.00	sec
Step 2:	First Knot	5.0	sec
Step 3:	Crossover	8.0	sec
<input type="button" value="Add Step"/>			
<input type="button" value="Submit for Approval"/>			

Once all steps are added, the video is submitted to an administrator for review before it is posted

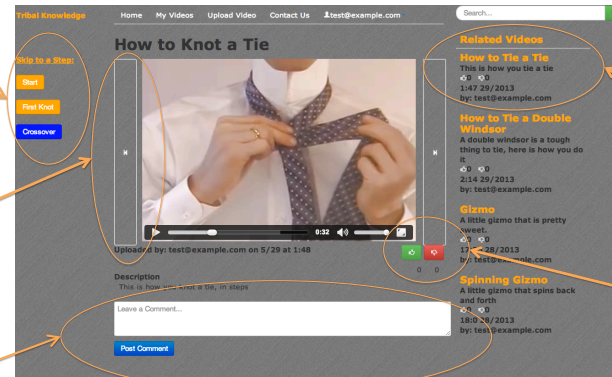
Users can skip through the video by steps, with their current step highlighted

The side buttons allow users to quickly skip forward or back a step, enabling them to easily re-watch a part if needed

Comments allow the user to provide feedback to improve the video

## Video Page

Once you have found a video tutorial you would like to watch, Tribal Knowledge makes the viewing experience a breeze. You'll be able to watch and navigate through the video in a step by step fashion that is tailored specifically for video tutorials



Related videos allows the user to choose a different option related to their search

The thumbs up and thumbs down allow user to quickly rate the video

## Login

Tribal Knowledge leverages Google authentication service to provide a secure and convenient login experience by allowing anyone to use their pre-existing Google account

Sign in Google

Email

Password

Stay signed in

[Can't access your account?](#)

## Searching

The searching functionality is implemented through a fuzzy search algorithm that scores each video based on a ratio of how similar the tags and title are to those of the search parameters. This allows our search function to recognize which video is closest to the search parameters and return all of the related videos

## Mobile

For the majority of consumers, the only video camera they own is the one integrated into their phone. Therefore, allowing users to capture video and then upload directly to Tribal Knowledge was a key goal.

