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2019 Google Season of Docs Kolibri Workflow Tutorials

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Overview

This proposal presents a solution for guiding the various user journeys that an individual can take importing content from their computer into Kolibri Studio, and then from Kolibri Studio into Kolibri. I propose to create a central repository of tutorials. The user will access these tutorials through a landing page. The landing page will provide a table with links to each workflow tutorial and will indicate the type of user that the tutorial could benefit. This way, tutorials will be more personalized to the user's needs and abilities. A workflow (for example, INSTALL- IMPORT) is demonstrated by multiple lessons. Each lesson contains a video. Videos show a small portion of the workflow and demonstrate individual concepts about how these workflows connect Kolibri applications.

Main Goals

1. Create a tutorial landing page that helps users decide which workflow best suits their needs. This landing page will be hosted on the Read the Docs platform. For my proposed example, see [Tutorial Landing Page](#).
2. Create individual lessons for the components of each workflow and supplement difficult lessons with exercises. See [Tutorial and Lesson Pages](#).
3. Create interactive videos for each workflow. See [Videos](#).

Project Tools

Work will be done using screencasting software. I have experience with Camtasia, but I have also worked with less cost-prohibitive software and freeware. The sample video that is linked [here](#) was made with *Flashback* by Blueberry Software, which I currently have a license for. I will create subtitles using Youtube. Tutorial pages will be hosted on Kolibri's Read the Docs site. Draft work will be completed in Google's Docs and I can help with converting text files to Markdown or reStructuredText for the final product.

Timeline

This project will follow the **long-term project** guidelines (26 weeks total, from 9/2/2019-2/28/2020). I will spend around 10 hours a week completing the goals that are outlined below. In addition to these goals, I will take part in mentor meetings and communication during this time, as needed. I will work with the mentors to determine the best time for this. The timeline is generally split into four week chunks where I will be creating multiple videos, tutorial pages, and exercises.

Note: This timeline is flexible and recognizes the fact that organizational needs can change. The large timeframes allow for flexibility and the ability to switch focus as needed.

Weeks One and Two

Goals:

- Set up personal device with any websites or accounts needed to access information.
- Begin to develop structure and more detailed wireframe for landing page.
- Discuss with mentors the style for videos, as well as develop video opening screen template, any filler music for title and ending screens, and additional information that should be included.
- Review current documentation and documentation structure to extract links for use in additional resources and tutorial references.

Weeks Three through Six (Level 1- Beginner Tutorials)

Goals:

- Develop initial content and lessons for INSTALL-IMPORT/Level 1 workflow. Create video for the download, install, configuration, and import processes. Since the INSTALL-IMPORT functions are the basis for many other workflows, and the most commonly used, a large portion of time will be devoted to getting these tutorials and lessons finalized.
- Focus on the IMPORT location types and develop of a graphic that exemplifies to the user where they can acquire content (public channels that exist in Kolibri Studio) for the landing page.
- Develop additional videos and content for expansions of INSTALL-IMPORT (UPDATE channel). These expansions could also come in the form of additional resources or links to existing documentation.
- Work on subtitles for any videos.

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- “Test” videos and ask for feedback from any available resources regarding usability. This would include revisiting the template for videos and solidifying the template for future videos.

Weeks Seven through Ten (Level 2- Content Uploader)

Goals:

- Focus on lessons and workflow videos for the Studio Uploader persona.
- Complete documentation and lessons for UPLOAD-PUBLISH-IMPORT.
- Develop subtitles for any videos.

Weeks Eleven Through Fourteen (Level 3 - Content “Remixer” and Editor)

Goals:

- Focus on the following workflows and create tutorial/lesson content: UPLOAD-EDIT-PUBLISH-UPDATE and EDIT-PUBLISH-UPDATE.
- Develop any subtitles for videos.

Weeks Fifteen Through Eighteen

Goals:

- As conveyed during my research for this proposal, workflows involving Ricecooker are lower priority (CHEFDEV type). Depending on timing and schedule, I could use this time to create a high-level tutorial that refers to the existing documentation for Ricecooker.

Weeks Nineteen Through Twenty-Two

Goals:

- Assess any gaps at this time and test the current flow of all tutorials.
- Work on finalizing the landing page and begin to link videos together.
- Work through converting page drafts done in Google Docs into Markdown or reStructuredText, as discussed with mentors.

Weeks Twenty-Three through Twenty-Five

Goals:

- Depending on time, finish any final work on low-priority, advanced tutorials.
- Last minute Read the Docs page editing, file testing, grammar/spelling checking.

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- QA for any links within videos or on other pages.

Week Twenty-Six

Final week for long running project. I will work with mentors to wrap-up project deliverables and complete any final, required Google documentation.

Tutorial Components

Tutorial Landing Page

Users will access a tutorial landing page on Kolibri's Read the Docs site, which will provide a brief outline of the various tutorials that are offered for content workflows. The purpose of this page is to give a brief overview of the Kolibri ecosystem as well as provide a graphical view of the various workflows. This gives the user the ability to view the type of workflow that suits their needs, both technically and curricularly. Users will have more of an understanding of the options available to them in Kolibri and Kolibri Studio. Below is a rough sample of the landing page wireframe.

Page Structure Using Read the Docs Format

Kolibri Logo

Tutorial Index

Tutorial 1: Installing Kolibri
Tutorial 2: Importing Content
Tutorial 3: Uploading Content
Tutorial 4: Creating Channels

Section: contains index with tutorial names. Links to tutorials could be "expand" links that would show any sub-lessons under that tutorial.

Kolibri and Kolibri Studio Tutorials

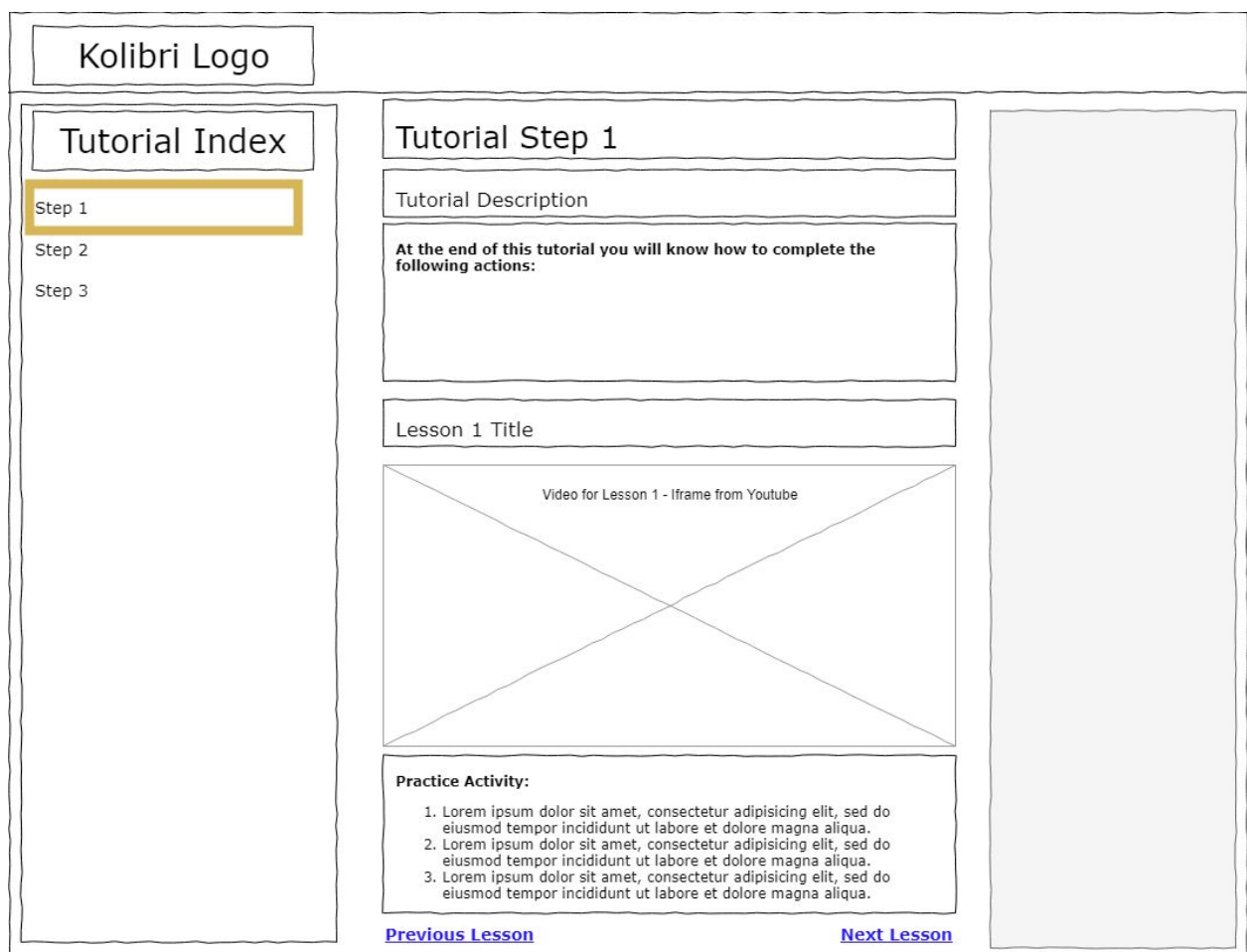
As a coach, admin, or curriculum developer, you may have the task of adding content or curriculum to Kolibri. It is important to understand the various workflows that you can follow to bring content from your computer in to Kolibri. Depending on the selected workflow, you may use content that already exists in Kolibri Studio or import your own content. Because Kolibri content can be imported through a variety of workflows, consult the table below to decide which workflow fits your needs.

What type of content are you looking to use in Kolibri?	Tutorial	Level of Difficulty
I want to provide students with content from public channels such as Khan Academy or PHET.	Installing Kolibri and Importing Content	Level 1: Beginner - Kolibri User
I want to create my own channels. I want to upload my own content and import that for use in Kolibri.	Uploading Content	Level 2: Content Uploader - User of Kolibri and Kolibri Studio
I want to be able to upload my own content, use public channels, and choose what order my students view this content in Kolibri. I also want to collaborate with other administrators on my channel.	Editing and Remixing Content	Level 3: Content Editor - User of Kolibri, Kolibri Studio, and Advanced Kolibri Studio Functions

Tutorial and Lesson Pages

Each tutorial homepage will give an introduction to the tutorial (made up of multiple lessons), followed by some user goals. Tutorials illustrate a whole workflow and are composed of individual lessons. Each lesson will have a video. Videos will cover an individual part of an overall concept. Each lesson will be kept on an individual page within the tutorial workflow parent page. Lesson pages will have buttons that allow the user to navigate to the previous or next lesson within the tutorial. Very complex concepts can include practice activities.

Page Structure Using Read the Docs Format



Videos and Structure

Videos will outline a single concept. Videos will give a direction while performing that action on screen. An example video can be found here: https://youtu.be/DkMP_VdGslU. This example video shows how to use the Setup Facility wizard.

Note: While this video exemplifies existing content, it is meant to show the style of how callouts and cursor highlights can be used to create a consistent video style.

The video uses callouts and a highlighted cursor to help guide the user through the steps of this single concept. Videos will be hosted on Youtube. If hosted on Youtube, captions will be auto-generated. I will then edit the captions for spelling, grammar, and punctuation. Those captions can then be exported for translations in Amara or another translation tool.

The videos will have a consistent title screen, which I plan to discuss with the mentors in the first couple of weeks. I will also use a consistent callout style (arrows, cursor highlight, boxes), which will be decided together with the mentors in the first couple of weeks.

Example Structures

The simplest workflow, INSTALL-IMPORT, is an entire tutorial. Within that tutorial, are two potential lessons with an individual, single concept video:

1. Downloading, Installing, and Setting Up Your Kolibri Facility
2. Importing Content in Kolibri Studio - Note that this video would be referred to by other workflows

A more advanced tutorial requires multiple sub-lessons with multiple videos. The UPLOAD-EDIT-PUBLISH-UPDATE workflow follows the below structure.

Note: If this workflow resides outside of the Kolibri Studio pages, and is the first time Kolibri Studio is introduced, the lesson introduction page for these videos would provide links to logging in and creating a Studio account. Sub-lessons are individual pages. Therefore, because of the greater complexity of this workflow, each sub-lesson contains multiple videos.

- **Lesson 1– Uploading Content and Creating Channels in Kolibri Studio**
 - **User Goals:** At the end of this lesson, you will know how to complete the following actions:
 - Create channels in Kolibri Studio for use in Kolibri. You will know how to use your channel's secret tokens to import your content channel in Kolibri.

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- Create a channel by importing content from existing public channels in the Studio Library.
 - Create a channel by uploading content from your computer.
 - **Sub-Lesson Videos:**
 - Sub-lesson 1 – Create your own channels on Kolibri Studio and import content from existing public channels (Khan Academy, PHET, etc.):
 - Video 1 - Public content channels (viewing PUBLIC channels on Kolibri Studio)
 - Video 2 – Create a channel
 - Video 3 – Import content from existing channels
 - Video 4 – Publishing your channel and obtaining secret token
 - Video 5 – Importing your channel into Kolibri using the secret token
 - Sub-lesson 2—My Documents Content Channel Upload:
 - Video 1 – Upload files from My Documents
 - Video 2—Create your own exercises
 - **Lesson 2 – Advanced Editing of Channels in Kolibri Studio**
 - **User Goals:** At the end of this lesson, you will know how to complete the following actions:
 - Edit content channels in Kolibri Studio
 - Manage content channels in Kolibri Studio
 - **Sub-Lesson Videos:**
 - Sub-lesson 1—Editing content by adding exercises, reorganizing folder structure, and collaboration options (1 video)
 - Sub-lesson 2—Other functions such as deleting/moving content (1 video)
 - **Lesson 3 – Publishing Kolibri Studio Channels for use in Kolibri and Updating Channels**
 - **User Goals:** At the end of this lesson, you will know how complete the following actions:
 - Publish a channel in Kolibri Studio and republish after new content is added
 - Update a channel
 - Acquire channel token to import to Kolibri (via link to previous video in Lesson 1 that covers this action)
 - **Sub-Lesson Videos:**
 - Sub-lesson 1—Publishing updates to a channel
 - Video 1: Republish channel
 - Video 2: Updating channel on Kolibri after adding additional content