

Project Background

Anne Wignall (Industry supervisor) has been making Moodle courses using an authoring tool - Hot Potatoes for years, but Hot Potatoes can only make six specific activities. This year Anne wishes to develop a new type of activity - self-assessed activities for Moodle, for which a WYSIWYG editor will be in need to make the process easier. It is also worth noting that Anne wants to keep this application as simple as possible to make it easy to use for some non-technical teachers, so there is no need to involve in back-end technology. Everything will take place in the front side.

Project Objectives

- have a button that can generate html file for the content in the editor
- have a button to insert hidden content, model answer text and criteria text
- have a button to insert checkboxes, and have a way to identify each individual checkbox
- have a button to insert a button in the context, and each button should have its own id or name
- have the function to insert the title
- have a button to insert some mathematical expressions
- create custom buttons to insert according content

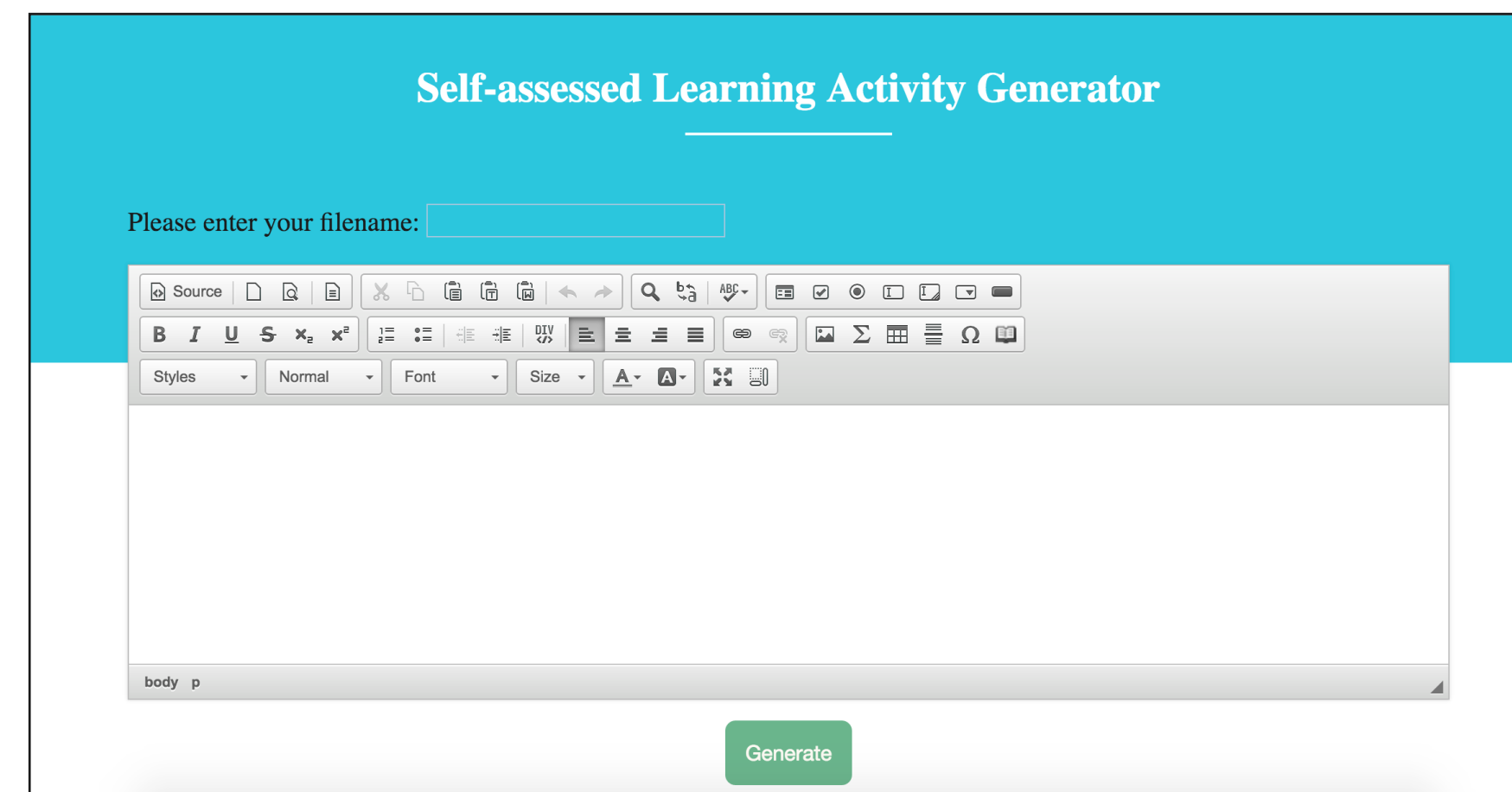
Project Procedure

1. Find an editor to work with



CKEditor allows users to make custom plugin and has good documentation for developers

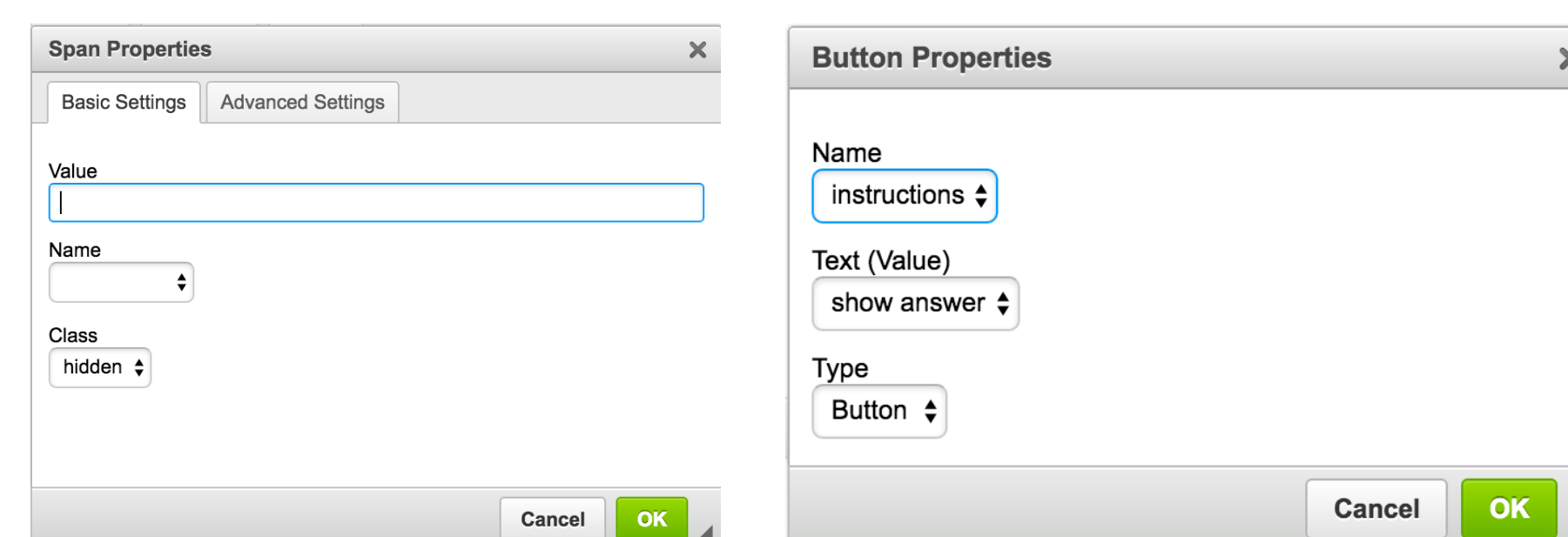
2. Design and prototype



3. Insert filename and Generate html file to local drive

use jQuery to get the value from the text field and add it as the filename
use File System API to generate html file from the editor content area

4. Create custom plugins and modify existing plugins



Learning Outcomes

Project Management

During the development process, I learned how to collect requirements and information from the client, how to identify and analyse risks, how to make the project plan, how to make sure the development fit into the timeline.

Programming Skills

I use HTML5, CSS3 and jQuery framework. I also learned how to work with a third-party API.

Communication Skills

During the scoping and development of the project, I keep regular meetings and email communication with the client, which makes me communicate more effectively in both a spoken and written way.

Technologies & Tools



CKEditor API



Sublime Text