Full Sail University

Applied Design Tools & Interfaces

Designing for the Activity - Framework for Application Design

Designing for the Activity

Qualities of a great application

Is there a framework for good design?

" you *bet* there **is**!"

Focuses on the activity instead of the audience.

The feature set consists of what is absolutely necessary.

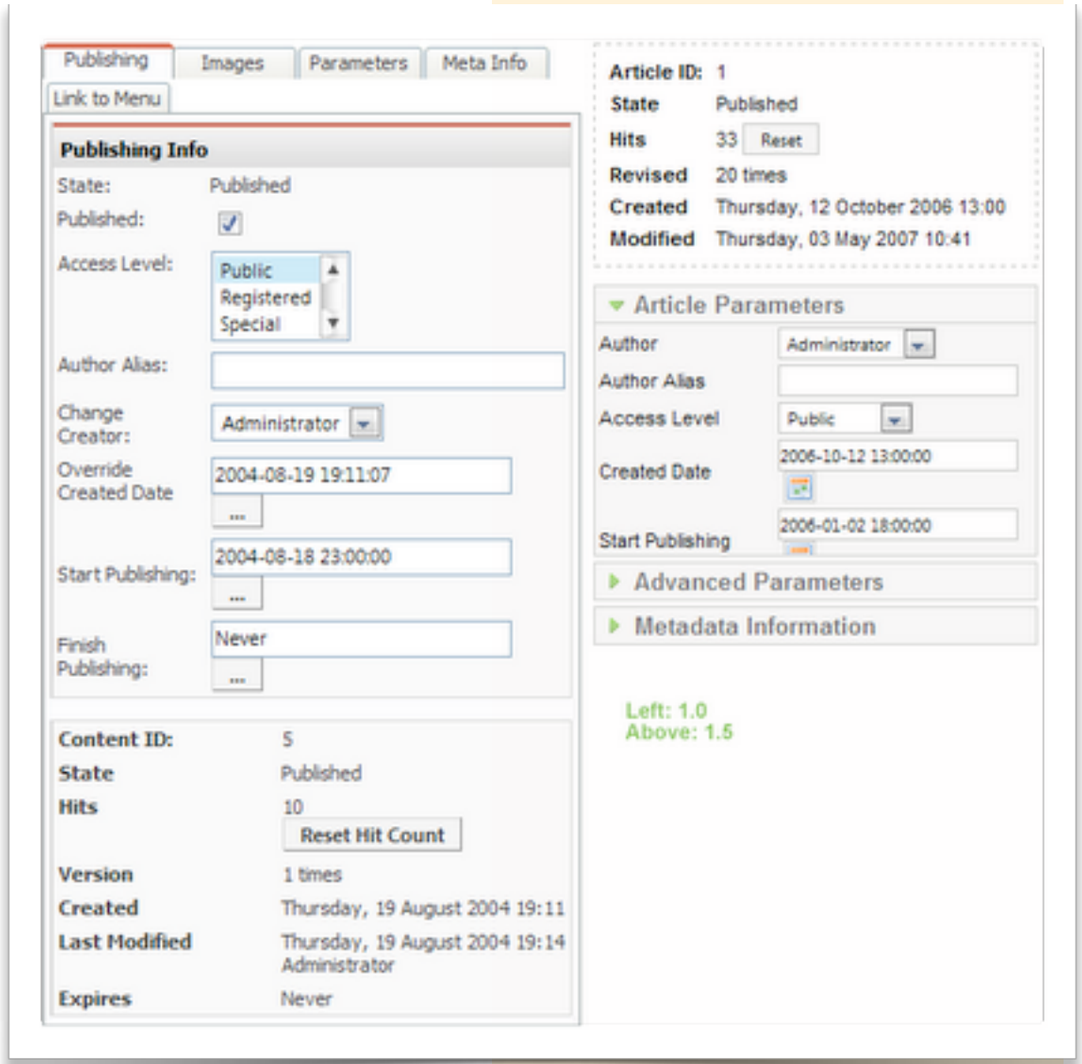
It supports the users mental model of what it does.

It helps users get started quickly.

Streamlines workflow so mistakes are kept to a minimum.

Reinforces spatial memory.

Does not present a cluttered UI.



Designing for the Activity

Basic Framework for Application Design

Define the solution completely...

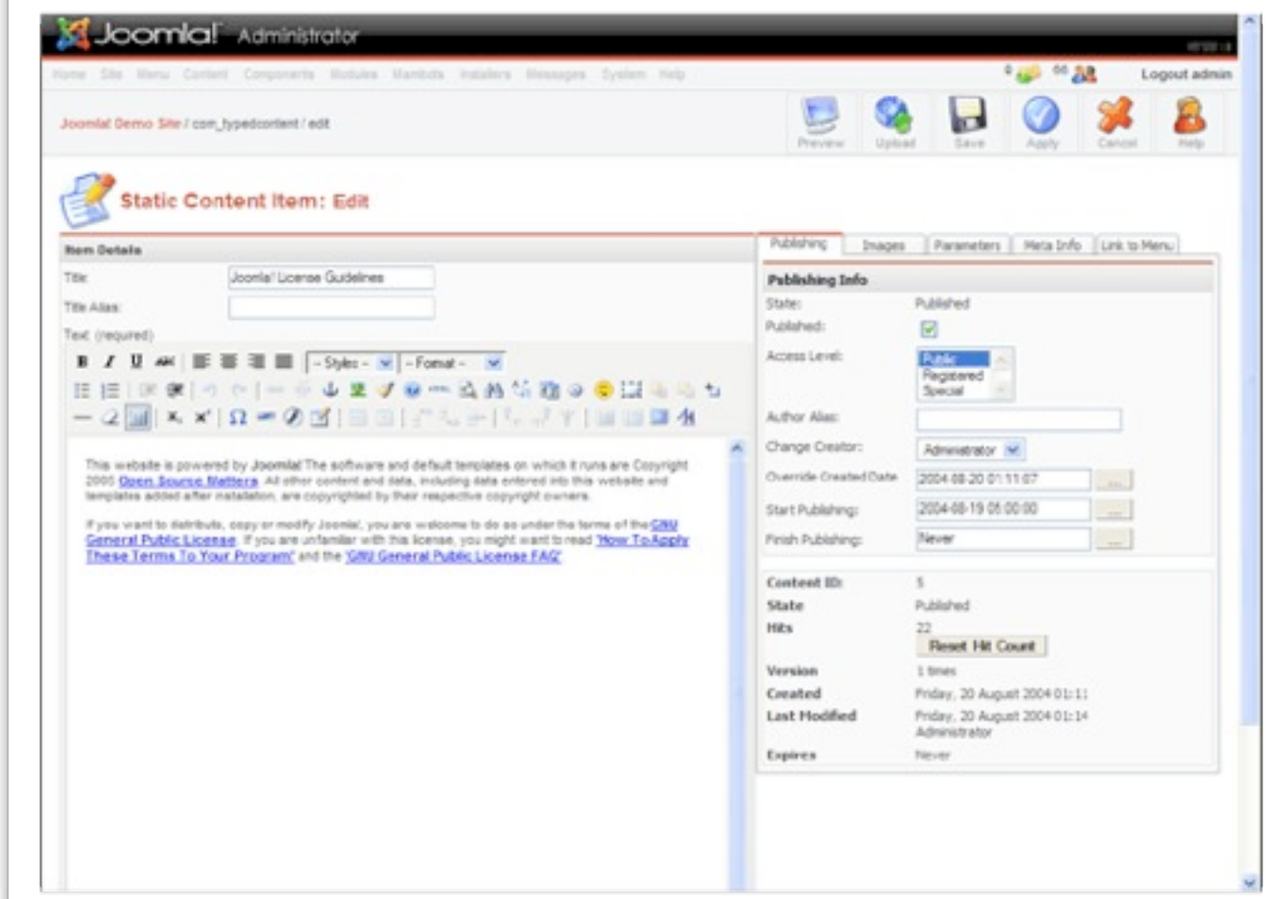
Know what to build

Requires complete understanding of the what application will support.

Conceptual Element: consists of the knowledge of what to build, what not to build and the underlying intent of the application.

Knowing the essential components will allow for clarity of purpose.

Clarity of purpose helps create a sense of desirability around the WBA.



Designing for the Activity

Basic Framework for Application Design

Define the solution completely...

Know what makes it great

Technology alone does not make an application great.

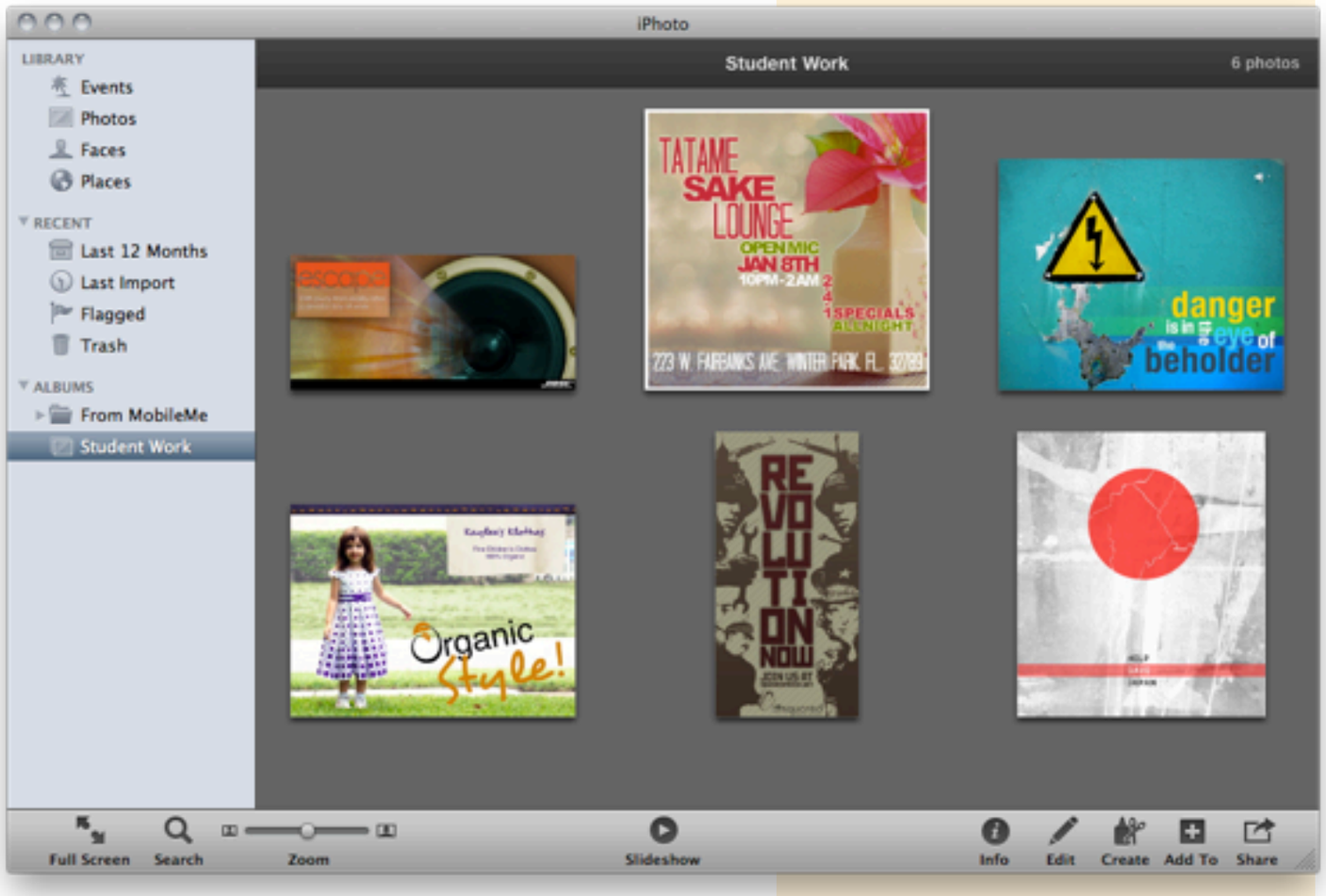
Users do not interact with the code base, but they do interact with an interface.

Clarity of purpose in the workflow should always be the main goal.

When a WBA is bad, it tells you in a myriad of ways.

- When it's good, you just know it is.

Application Element: the "hook" that creates a sustainable and positive user experience.



Designing for the Activity

Basic Framework for Application Design

Define the solution completely...

Know the best way to implement it

Interaction Element: the technology that drives the solution.

Always the biggest variable to deal with.

User Interaction and Usability should always be the main guiding force.

Avoid forcing technology on a solution.

```
function doBeforePaste(control){
    maxLength = control.attributes["maxLength"].value;
     if(maxLength)
     {
          event.returnValue = false;
     }
}
function doPaste(control){
    maxLength = control.attributes["maxLength"].value;
    value = control.value;
     if(maxLength){
          event.returnValue = false;
          maxLength = parseInt(maxLength);
          var oTR = control.document.selection.createRange();
          var iInsertLength = maxLength - value.length + oTR.text.length;
          var sData = window.clipboardData.getData("Text").substr(0,iInsertLength);
          oTR.text = sData;
     }
}
function LimitInput(control)
{
    if(control.value.length > control.attributes["maxLength"].value)
    {
        control.value = control.value.substring(0,control.attributes["maxLength"].value);
    }
};
```