
Practicum Presentation: BCIT Link Magazine Photo Book Maker Web App

By Ken Ngai



Client:

BCIT Link Magazine

BCIT Burnaby Campus
SE2 3rd Floor
3700 Willingdon Avenue
Burnaby, British Columbia
V5G 3H2 Canada

The logo for LINK MAGAZINE Photo Book Maker. The word "LINK" is written in a large, bold, black, sans-serif font. Below it, the word "MAGAZINE" is written in a smaller, black, sans-serif font. At the bottom, the words "Photo Book Maker" are written in a black, serif font.

MAGAZINE
Photo Book Maker

Project:

BCIT Link Magazine -
Photo Book Maker Web
Application

LINK

M A G A Z I N E

Photo Book Maker

Overview:

BCIT Link Magazine Photo Book Maker is a visual design single-page web application that will allow BCIT students to create customized books using their own content from BCIT Link Magazine web application. Then It will generate a print-ready pdf and ordering confirmation that sends to the Campus Print & Copy allowing students to print at a reasonable price, and made ready for pick up by students on campus.

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MAGAZINE

Photo Book Maker

Scope of the Project:

The project was split into two part, part one contains planning, design, and prototype, the part two will consist of implementation, testing and deployment.

Since there was only 1 person working on the project at that time. We focus on the Part one of the project.

LINK

M A G A Z I N E

Photo Book Maker

Scope of the Project:

- The part one of the project are split into 3 phase
- After completion of part one, part two of the project will be completed by a group of 4 BCIT student from another program



WorkFlow

Planning Phase:

- Research
- Project Proposal
- Functional and Non-Functional Specification
- Specifying web application structure and technology.



WorkFlow

Design Phase:

- Layout
- Interface Design
- Wireframing
- Task Scenario

The logo for LINK MAGAZINE Photo Book Maker is displayed within a black rectangular border. The word "LINK" is in a large, bold, black, italicized sans-serif font. Below it, "MAGAZINE" is in a smaller, black, all-caps sans-serif font. At the bottom, "Photo Book Maker" is in a black, bold, serif font.

LINK

MAGAZINE

Photo Book Maker

WorkFlow

Prototype Phase:

- Interactive prototype to see how to application navigate
- a demo of web application with some of the features

Communication

	Client	Supervisor
Primary	E-mail/ Face to face weekly	E-mail/ Face to face weekly

Version Control

- Github

Design and Development Environment

- Microsoft Words (Documentation)
- Text Editor (Sublime Text)
- Sketch 3
- Invision
- Personal local server
- React and Redux
- npm

Timeline

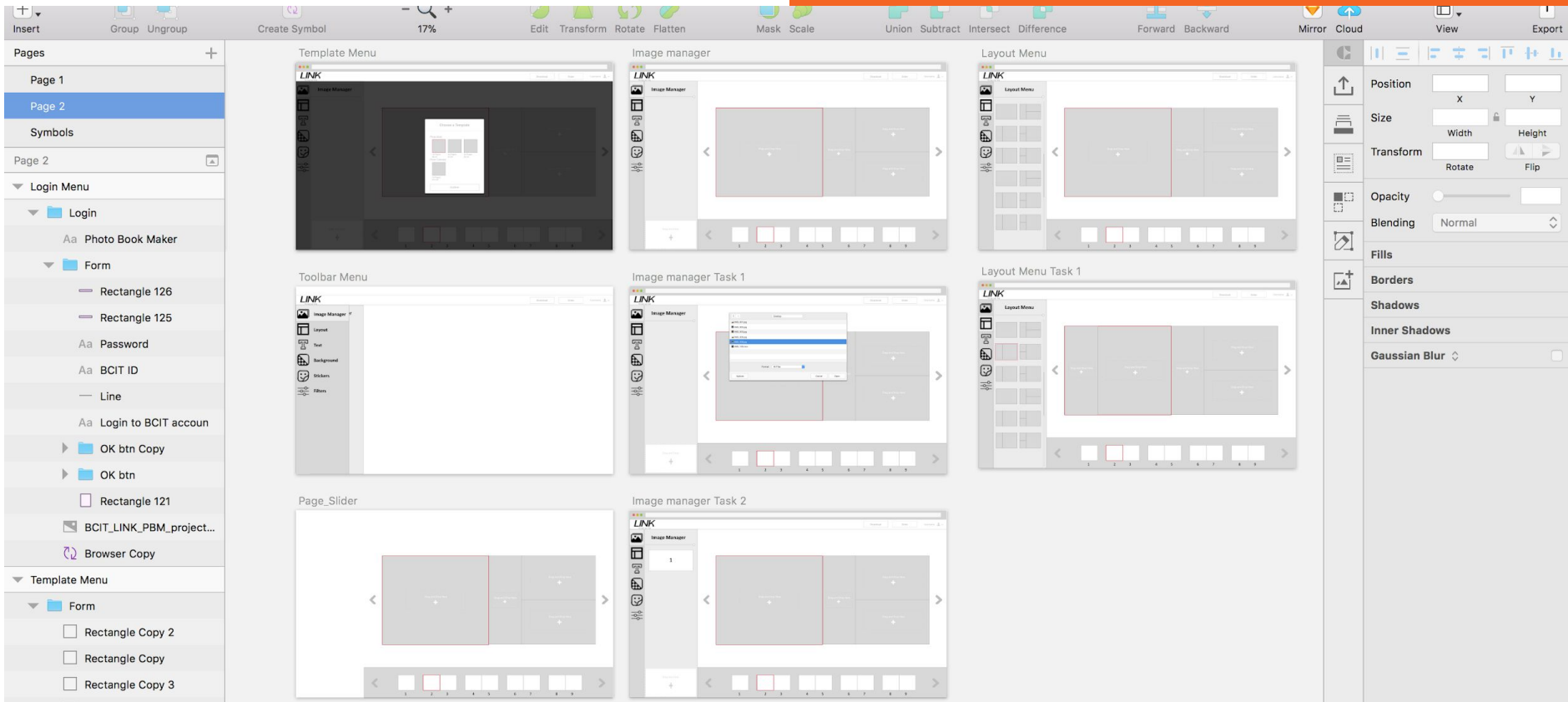
BCIT Link Magazine Photo Book Maker			2018																											
			March												April															
Deliverables	Owner	Duration	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6		
Planning phase																														
Research	owner	2 day																												
Project Proposal	owner	3 day																												
Detailed Functional and Non-Functional Specification	owner	3 day																												
Specifying Web Application Structure and Technology	owner	2 day																												
Design phase																														
Layout	owner	2 day																												
Interface	owner	2 day																												
Wireframing	owner	2 day																												
Prototype phase																														
Interactive Prototype	owner	5 day																												
Simple feature demo	owner	3 day																												
Annotations																														

Documentation

The screenshot shows the GitHub interface for the repository 'soulshunters / PBM'. The top navigation bar includes links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. The repository name 'soulshunters / PBM' is displayed, along with 'Unwatch' (1), 'Star' (0), and 'Fork' (0) buttons. Below the repository name, there are tabs for 'Code', 'Issues' (0), 'Pull requests' (0), 'Projects' (0), 'Wiki', 'Insights', and 'Settings'. The 'Code' tab is active, showing the file structure. The current view is for the 'doc' directory, with a 'Branch: master' dropdown and buttons for 'Create new file', 'Upload files', 'Find file', and 'History'. A commit message 'soulshunters updated' is shown with the latest commit hash '0d1a65c' and time '21 hours ago'. Below this, a table lists the files in the 'doc' directory, all of which were updated 21 hours ago.

File Name	Status	Time
..		
.DS_Store	updated	21 hours ago
BCIT_LINK_PBM_Design_document.docx	Updated	21 hours ago
BCIT_LINK_PBM_Design_document.pdf	Updated	21 hours ago
BCIT_LINK_PBM_Requirements_document.docx	Updated	21 hours ago
BCIT_LINK_PBM_Requirements_document.pdf	Updated	21 hours ago
BCIT_LINK_PBM_project_proposal.pdf	Updated	21 hours ago

Sketch 3



Invision

SCREENS ▾

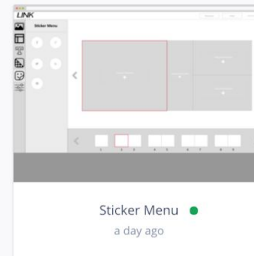
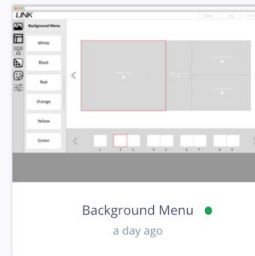
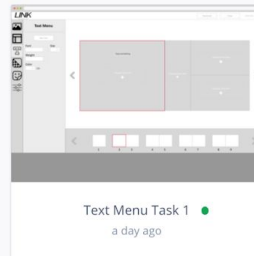
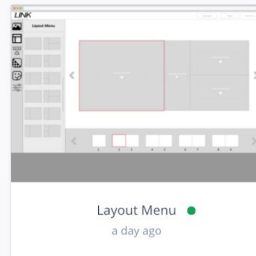
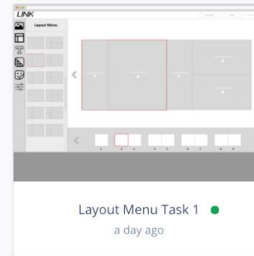
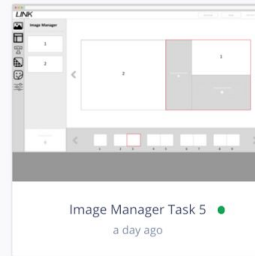
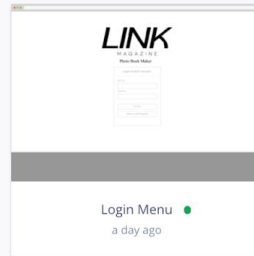
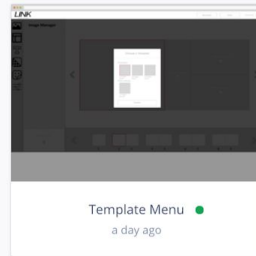
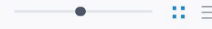
WORKFLOW

ACTIVITY

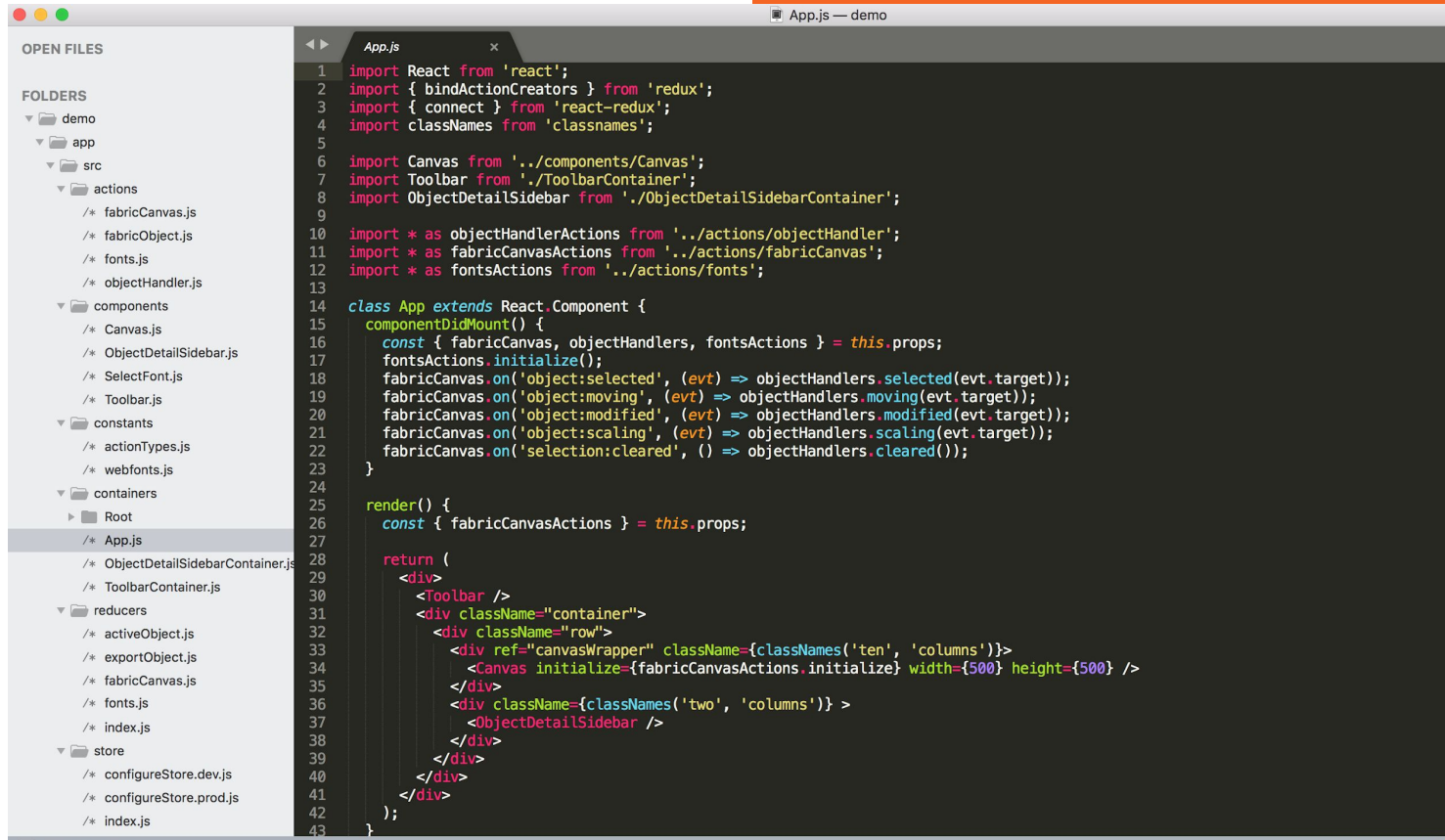
COMMENTS

ASSETS

...



Simple Feature Demo



```
App.js — demo
1 import React from 'react';
2 import { bindActionCreators } from 'redux';
3 import { connect } from 'react-redux';
4 import classNames from 'classnames';
5
6 import Canvas from '../components/Canvas';
7 import Toolbar from '../ToolbarContainer';
8 import ObjectDetailSidebar from '../ObjectDetailSidebarContainer';
9
10 import * as objectHandlerActions from '../actions/objectHandler';
11 import * as fabricCanvasActions from '../actions/fabricCanvas';
12 import * as fontsActions from '../actions/fonts';
13
14 class App extends React.Component {
15   componentDidMount() {
16     const { fabricCanvas, objectHandlers, fontsActions } = this.props;
17     fontsActions.initialize();
18     fabricCanvas.on('object:selected', (evt) => objectHandlers.selected(evt.target));
19     fabricCanvas.on('object:moving', (evt) => objectHandlers.moving(evt.target));
20     fabricCanvas.on('object:modified', (evt) => objectHandlers.modified(evt.target));
21     fabricCanvas.on('object:scaling', (evt) => objectHandlers.scaling(evt.target));
22     fabricCanvas.on('selection:cleared', () => objectHandlers.cleared());
23   }
24
25   render() {
26     const { fabricCanvasActions } = this.props;
27
28     return (
29       <div>
30         <Toolbar />
31         <div className="container">
32           <div className="row">
33             <div ref="canvasWrapper" className={classNames('ten', 'columns')}>
34               <Canvas initialize={fabricCanvasActions.initialize} width={500} height={500} />
35             </div>
36             <div className={classNames('two', 'columns')}>
37               <ObjectDetailSidebar />
38             </div>
39           </div>
40         </div>
41       </div>
42     );
43   }
44 }
```

What I learned

- Experience on working with clients side by side and turn their ideas into reality one step at a time.
- Project management (Although is single man team)
- Turning a client's request into a more detailed project proposal
- Going through Web Application Development Process to develop the product
- Splitting a web app development project into two parts, and able to transfer the work done to the next group of developers
- Documentation is important for a big project
- How to design for clients and users and not yourself
- Using sketch and invision to do the wireframing and prototyping
- Creating a simple feature demo of the web app using react

Question?