LINK

MAGAZINE

Photo Book Maker

Project Overview

Created by Ken Ngai

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2. Revision History

Version	Status	Publish/Revision Date	Authors
1.0	Created	March 12, 2018	Ken Ngai

3. Project Overview

If a picture speaks a thousand words, then imagine what you can tell with an entire book of them. With BCIT Link Magazine Photo Book Maker numerous of templates and easy editing tools, depending on templates you can have a beautiful photo book, personal portfolio and photo calendar in a few minutes. Your photo book design journey start with BCIT Link Magazine Photo Book Maker templates and easy to use design tools to customize the entire design of your photo book. BCIT Link Magazine Photo Book Maker is a visual design 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. For now it will be desktop only web application, but in the future it may include mobile version of the application.

We define the BCIT user as the user of BCIT Link Magazine Photo Book Maker.

The BCIT user can access:
- User can login securely as BCIT Student using BCIT login system
- User can choose from our library of professionally created template, each template will be cost differently to print
- User can upload and select image (jpg only) from devices
- User can plan their photo book and other printing items
- User able to select which image to be the cover
- Each image (jpg only) is placed on a page of the photo book or other printing items.
- User can browse through a finished photo book, previewing before ordering
- User can send ordering confirmation to the campus Print & Copy allowing student to print at a reasonable price, and go to Print & Copy for the payment
- User can add text to the pages
- User can change the layout of the page
- User can change the images. Upload your own images or choose from our stock library
- User can change the font, weight, size and color of the added text.
- User can change the background. Choose a background from our library
- User can add filters and effects on their images
- User can export and download their work as PDF with CMYK and 300 dpi

4. Project Planning

Since the project is too huge for a single person, so the project will split into two part, one part will contain planning, design, and prototype, the other part will consist of implementation, testing and deployment. This project will cover the first part, the project scope will span a time-line of approximately 3 and a half week from conception to design. The project will be split into 3 phase, first phase will include research, project proposal, functional and non-funcation specification and specifying web application structure and technology. Second phase will be design phase which include layout, interface, and wireframing. The third phase will be prototype phase which include an interactive prototype to see how to application navigate and a simple feature demo of the application. As a communication plan, we will meet in person at least once each week for at least an hour with the client.
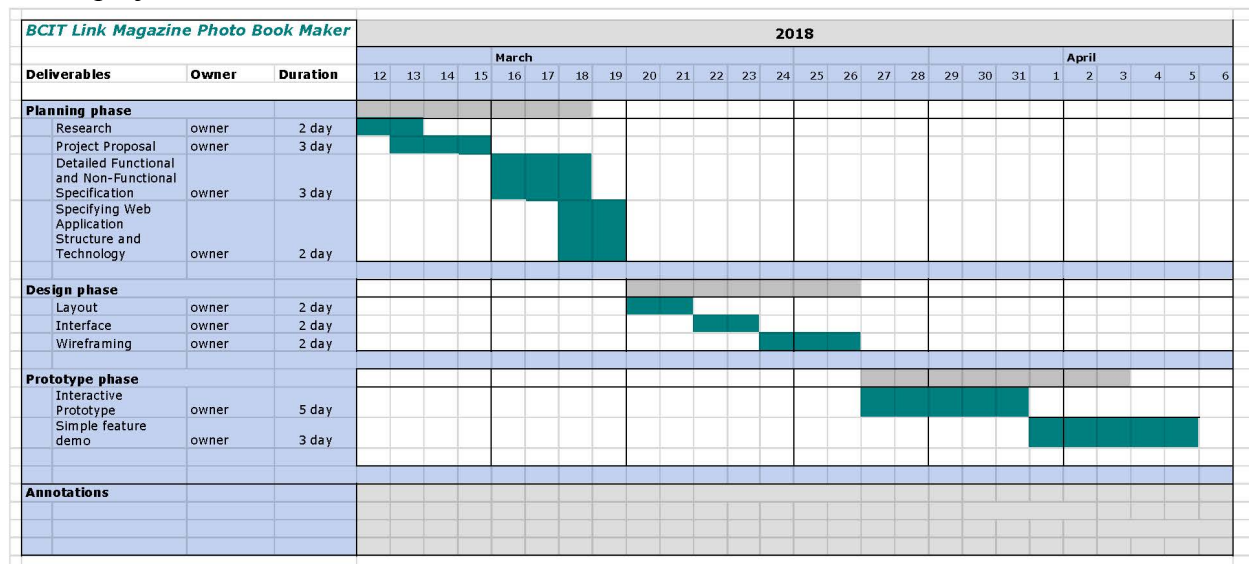
Currently, we are capable of planning, designing, prototyping and managing all the proposed features on our web application. However, the completion of the web application require more time and developers for implementation and testing, we still need to evaluate our development cost estimation for the requirements for our web application. Firstly, the web app's feature needs BCIT login access, which requires to access BCIT back-end server login system api. Since this is a one-time design, so there won't be saving of the design. The web application will be hosted on bcitsa.ca, all other costs are minimum since our web application does not require any external hardware components. Furthermore, we can minimize our cost further by using cost-free GitHub as version control software. In brief, we believe the total cost of developing our web application solution will be very inexpensive.

Key Tasks	Start Date	End Date	Milestones/Deliverables
Project Initialization	March 12, 2018	March 16, 2018	- Project proposal - Clear Vision
Detailed Functional and Non-Functional Specification	March 16, 2018	March 19, 2018	- Specification Document
UI/UX Design and Web App Architecture	March 20, 2018	March 26, 2018	- Design Document - Wireframing
Interactive Prototype	March 27, 2018	March 31, 2018	- Interactive Prototype - Familiarity with react
Simple feature demo	April 1, 2018	April 3, 2018	- Using React and make a simple demo

5. Project Schedule

The project timeline is from March 12th to April 3rd, spanning 3.5 weeks. The project will be 8 hours/day which equals 40 hours/week. These includes researching, planning, managing, documenting, wireframing and meeting with client. In sum, for the next 3.5 weeks we are aiming to put in a total of 140 hours of work to this project.

A timeline and Gantt chart were created in Google Spreadsheet to further illustrate our initial project schedule in below.

6. Risk Management

Reference Headers

Likelihood:

Low	Rare and negligible chance of occurring
Medium	Possible of occurring
High	Almost certain of occurring, likely with repeated offenses

Impact:

5	Severe	One or more critical objectives will not be achieved, project delayed
4	Significant	One or more objectives will be below acceptable levels, project could be delayed, or released with issues or missing features
3	Moderate	One or more objectives are only met with minimal acceptable levels, project will not likely be delayed, but released sub-optimally
2	Minor	Minor impact on objectives, highly unlikely project will be delayed
1	Minimal	Little or no impact, no delay to project deadlines

Potential Problems that can hinder the Progress of this Project

Risks	Impact	Likelihood	Impact Area	Mitigation
Estimation				
Underestimate the work time	4	Medium	Entire Project	
Requirements				
Project rejected	5	Low	Entire project	-Talk with client to ensure that project proposal is one that is acceptable before design phase.

People				
Lost of member (sick)	4	Medium	Entire project or deliverables	- Start project early to minimize the potential time lost to cover role
Lack of experience in web app development	3	High	deliverables	- Make use of tutorials on react development online - Start coding early to identify potential issues that could arise with development

7. Project Organization

Project Lead	
	Ken Ngai (*soulshunterz@gmail.ca*) Web development is my jam. I am a graduate of New Media Design & Web Development at BCIT. Focusing on Front-End Development and UX/ UI Design. Ken had studied at SFU Computer Science as 4th year student. I have experience with C++ and Java for developing JPEG compressor and Sat-based sudoku solver. I have also been exposed to the Apple development environment before, having to create back-end database for it.