

AY2012/ 13 Term 1 IS480 Project Proposal Butterscotch



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Faculty Supervisor:

- Professor Jason Woodard

Sponsor and/or Clients (if any):

FlauntPage Limited Liability Partnership (FPLLP)

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1. Project Overview

1.1 Project Description

While drafting resumes and cover letters has always been a predominant problem faced by many job seekers, the process of screening applicants' resumes and cover letters has also been an equally tedious process faced by many companies. Although the emergence of employment portals have provided job seekers with the platform to meet prospective clients, and for companies to recruit potential talents, the problems previously mentioned are still prevalent.

With respect to the problems mentioned, our team will deliver a web application, titled FlauntPage. With FlauntPage, Job seekers can prepare employment documents while companies can perform customized filtering of received job applications, thus helping them to better manage recruitment process. This web application adopts the PLAY! Framework and will be built using the Software as a Service (SAAS) model.

Unique selling points distinguishing FlauntPage from the mainstream recruitment application are:

- Customizability (drag and drop) function for job seekers to create Resumes & Cover Letters unique to themselves
- Enables collaborative reviewing of received job applications by Human Resource personnel

1.2 Motivation

As undergraduates, we are often worry that companies might not retain our cover letters in a systematic manner, resulting in loss of documents and eventually the loss of opportunity for us. On the other side, companies are constantly looking for ways to shorten and simplify their recruitment process too.

After analysing the issues faced by job seekers, we are determined to provide greater ease in the preparation of employment documents, so as to minimize the amount of procrastination brought about by the inability to produce proper resumes and cover letters during the job application process. At the same time, we hope to enhance companies' ability in the management of their job applications so they may effectively find the right person at the right time.

1.3 Stakeholders

Sponsor	Kris Kong- Partner of FlauntPage Limited Liability Partnership who initiated this project to the school. He is the point-of-contact between FPLL and the team.
Clients	FlauntPage Limited Liability Partnership, a SAAS Solutions company

1.4 Scope

Functionalities for Job Seekers:

Manage Application History	Provides systematic manner to manage application history. User is able to email and keep track the number of sent-out resumes and cover letters.
Apply Job Function	Applying for jobs can be done through the web application.
Special Feature(s):	
Use of OAuth (Login Purpose)	Aggregate personal details from various social networks, which include Facebook and LinkedIn in the construction of profile page.
Data extraction from LinkedIn	Personal details like education level, work experiences etc from LinkedIn can be translated over to our web application so as to facilitate the ease of re-entering similar details on our resume template.
Manage Resumes & Cover Letters	Intuitive and dynamic system that allows user to customize ('drag and drop function') and generate content of resumes and cover letters through a guided template.

Functionalities for Companies:

Manage Job Applications	'Filter' function, which would eliminate resumes and cover letters that do not fulfil the company's requirements.
Tagging Function	'Tag' function to tag received resumes and cover letter, allowing easy archiving, search and categorizing of applications.
Manage Job Posting Pages	Create and publish job posting pages. The application will auto-generated a URL for the job post that is accessible by the public.
Special Feature(s):	
Collaborative Reviews	Allow collaborative reviewing of the received job applications. More than one corporate user can post comments on a job application.

1.5 Deliverables

No.	Deliverables
1	Multi-platform web application with web pages being cross-browser compatible, except IE 6.
2	Fully functional web application built using java language, through the use of Play Framework, that will be deployed and tested with two UAT phases. Database to be setup using MySQL.
3	Detailed Project Management related documentation (e.g. Schedule, Minutes of Meeting, etc.)
4	Comprehensive technical documentation (e.g. Use Case, System Sequence Diagrams, etc.)
5	IS480 Requirements – Project Acceptance, Interim, Mid-Term, Final Presentation & Poster Day

2. Project Plan

2.1 Project Milestone

	May	June	July	Aug	Sept	Oct	Nov	Dec
Iterations	1	2	3	4	5	6	7	8
Week 1	Formation, Sourcing of project	Project Methodology & Planning. Proposal Preparation	Implement: 1. Manage resumes & cover letter (Include data extraction from LinkedIn)	2. Manage application history	Heuristic Evaluation	Mid-Term (1-5th)	Final integration/ Debugging	Poster Day (7th)
Week 2	Research (Framework, Modeling, Prepare Proposal)			Acceptance Preparation	Implement: 1. 'Tagging' function		Implement: 1. Collaborative Reviews	
Week 3		Debugging	UAT 1	UAT 2 Poster Preparation				
Week 4		Proposal Sub. (20th) Set up Database & Build Wiki page			2. Manage job posting pages	Acceptance (13 -16th) Implement: Email resume & cover letter	Final integration/ Debugging	Final Sub. (26-5th)
	Implement: 1. Use of Oauth (Login & Manage user account)	Implement: 1. Apply job function	Implement: Manage job applications	Debugging	Final integration/ Debugging			

2.2 Risks

S/N	Risk Statement	Type of risk	Likelihood (H/M/L)	Impact (H/M/L)	Mitigation strategy/ Contingency Plan
1	Difficulty in implementing customizable template for job seekers to drag and drop content into the template	Technical	High	High	Early implementation during summer break. This gives the team more time to explore the usage of JQuery on the implementation of that function. In addition, due to technical unfamiliarity, starting early provides adequate time to solve high-level risk bugs.
2	Difficulty in extracting data from LinkedIn	Technical	High	High	Early implantation during summer break. This allows the team to have more time in understanding the LinkedIn APIs on the implementation of that function. This can serve as an additional unique functionality if we are unable to accomplish a robust and dynamic drag and drop function.
3	Due to similar applications launch in the market, there might be unexpected change of requirements by sponsor	External	Low	Medium	Fortnightly update/meeting with sponsor – Kris Kong
4	Team is unfamiliar with the new framework - Play! Framework	Technical	Low	Medium	Set aside research period (2 weeks) during the initial planning stage, to explore and familiarize ourselves with the various functions that is being taught in the tutorial

2.3 Resource and Reference

	Development Tools	Resources / Reference
Programming Language	Java, jQuery, Ajax	Internet Tutorials & Books
Framework	Play! Framework	http://www.playframework.org/
APIs	Java Social Media Login	Java: http://docs.oracle.com/javase/6/docs/api/ Facebook: https://developers.facebook.com/docs/authentication/permissions/ LinkedIn: http://developer.linkedin.com/documents/inapiprofile
Platforms	Portal will be available on all Internet Explorer except for IE6	
OS	Windows and OSX (Apple)	