

Problem Set 3: Planning Your Web Application

This is project plan for building a community based web application, intern.fht.psu.ac.th , whose goal is to provide information to students of Prince of Songkla University about different internship sites best to work at and provide platform for interactive relationship between sites and students.

Usage Scenarios

User classes

- Student, who registers for internship
- Hotel, Resort and Restaurant (Site), who accepts student for internship
- Administrator, who maintains the system
- Visitors, can be lecturers, who come to observe about the current situation or can be another students, who come to see the best site to work at by checking its rating and reviews of previous students.

Exercise 1a

Answer the following questions:

- What subject will people be able to learn in the community that you're building?
 - Senior students can share their opinions and experiences about each site they have worked before so that other students would benefited.
 - Students (users) could get detail information about any internship sites and provide interaction platform.
 - Sites who are interested in hiring interns would be accessible with information about student. Each student will have their own profile page.
- What do you want people to say about your service after a visit?
 - That this is the efficient user interactive places which provide latest information about internships sites and provide communicative bridge between sites and students.
- What are the relevant distinct user classes?
 - See above
- What should a user on a mobile phone be able to do? Is it productive to mix voice and text interaction?
 - If user could get information in most convenient way possible, that would be the success for every web projects. For our project, users need to fill up some forms before usage so mobile phone browsers may not be appropriate. Since we are planning to use emails for communications, users would have easy access.

Exercise 1b: Build User Profile Pages

Fictitious user profiles:

- [Monrudee Say-Tay](#)
- [Sarawut Kongmoh](#)
- [Sumattaya Thammajak](#)
- [Kanokwan Kaewmark](#)

Exercise 1c

For each class of user identified in Exercise 1a, produce a textual or graphical usage scenario for how that user will experience your service.

- [Monrudee Say-Tay](#), she come to visit the system because she would like to print the evaluation result reports from hotel sites to internship committees . And she would like to print out how many student from 3rd and 4th year haven't done the evaluation. Moreover, she would like to announce the defend schedule to students.
- [Sumattaya](#) visit the website, she would like to hear the latest comments from previous students about an internship program at Holiday Inn hotel.
- [Sarawut](#), visit the website to register for internship at Banyan Tree hotel. He searched for hotel for doing internship and find Banyan Tree hotel quite interesting, because of good reviews from previous students esp. friendly workplace and want to do his internship there.
- [Kanokwan](#), visit the site for the first time to evaluate 3 students who come for internship at front office department.

Exercise 2

Offline Alternatives

The best offline alternative is the Career fair. Career fairs happen annually or bi-annually. It provide different opportunity to students to get face-to-face interaction with different representative of sites. Generally, career fairs are good, but expensive to organize. The system would provide best and cheap alternative to such events. It provide all the information online so have broader range of users. Online medium of communication are fast, cheap and very effective.

Online alternatives

We are building the system for Prince of Songkla University. They have a system to assign and manage interns in different sites. We were to able to study the project. We are trying to provide an extension to that system.

We found :

<http://www.globalplacement.com/>
<http://www.placement-uk.com/pages/index.php>

Both focus on global perspective which does not include within our scope of study. They were profit-oriented system. We are focusing on Hotel and Tourism sectors. Additionally, they are not community based products. There are many more. However, they don't include rating, reviews and interactions between students and sites which we are planning to implement.

We can get suggestion from these websites regarding students and sites information which might help us in deriving forms, evaluation and developing a bridge between sites and students.

Exercise 3

Online alternatives

So far, none of the online alternatives fall on criteria we are planning to develop.

- The system currently been used at PSU manages and assign sites to interns. We are able to study the system. It does not include the information. Sometimes the internship records of student are not recorded. Also, when student wants to know information regarding their assigned internship sites, they have to personally contact previous students. If we could provide platform to share their experiences, it would be easy to get the information.
- Internship sites can register themselves, and can provide information about their internship programs to students. The system provide platform for communication between sites and students.
- Registration process is the crucial part of the system. It provide the system valuable information about students and internship sites. Everyone have to registers except anonymous observer/visitor.
- As the system going to use online medium (i.e. emails), everyone who registers must have usable email account. Valid email account is must. Though the system will include all the valuable information along with view restriction, email are used for confirmation and authentication of inputted information.

Exercise 4

Magnet Content Identification



Registration and Evaluation forms - crucial parts - are provided by Faculty of Hospitality and Tourism Management, Prince of Songkla University. Contact persons are Mr. Chainun Chaiyasain and Ms. Sumattaya Thammajak.

Registration forms are for Student registration and Internship sites registration.

Evaluation forms are of 2 types : Evaluation form for Internship site to evaluate student and

Evaluation form for student to rate and review their site.

Each form comes with different conditions and criteria which need to be valid.

Magnet content will be no problem for this site, given enough time to collect it.

Exercise 5: Settle on a Hostname

Thus far, we have been agreed upon intern.fht.psu.ac.th . It seems to be the most obvious choice.

Exercise 6: Intellectual Property Rights

We are going to release the system under GNU General Public License, version 3 (GPLv3)
<http://opensource.org/licenses/gpl-3.0.html>

References

<http://philip.greenspun.com/seia/planning>

http://www2.cs.ait.ac.th/~mdailey/courses/43/sample_plan