

COMP3421 Term Project Fall 2016 (Due Dec 4, 2016)

A Web-based Application for Supporting Conference Attendees

Project Objectives

The objective of this project is to create a web site to support conference attendees. The services provided are mainly information dissemination with an online survey support. There should be a way to import data as defined in the description below; while the application does not include an administration function.

Functional Requirements

1. Language: the user interface for the apps will be English as default language.
2. Conference Programme: the conference can be a 1-day or 2-day conference. There can be many events for the conference.
 - a. Each event would have an event ID, title, date, beginning time, ending time, and venue information.
 - b. An event may be of a seminar session, which would have up to 5 presentations.
 - c. Each presentation would have an abstract ID, title, speaker lastname, speaker firstname, speaker ID, photo jpg filename, affiliation, beginning time, ending time, a brief biography and an abstract of the presentation.
 - d. All the above information would be available in an Excel or CSV format file for data importing.
 - e. The conference programme can be shown to a user according to dates and time.
3. Attrition & transportation information
 - a. Provide information up to attractions of Hong Kong, such as the Peak, Ocean Park, etc. Their related information includes name, their website link and a brief text description.
 - b. Provide information of how HK airport goes to the conference venue. Consider geolocation of GoogleMap and route finding afterwards.
4. Speakers list
 - a. A conference attendee can search the name of a speaker and finds the relevant information such as lastname, firstname, speaker ID, speaker type (PolyU or non-PolyU), photo jpg filename, abstract ID, presentation time (beginning only), presentation title, abstract and biography.
 - b. There should be a function to display all the speakers' name and each name is clickable to retrieve individual speaker information.

5. Abstract list

- a. There should be a function to display all the abstracts of the conference. Each abstract displayed would include its title, speaker, presentation time and the abstract contents.

6. General Search

- a. Conference information can be found by searching keywords, speaker name or event name.

7. Survey

- a. Conference attendees can complete an online survey and express their opinions towards the conference
- b. The survey should support 6 preset questions, 10 multiple choice questions and two open end question. Each preset question has a question content and the choices provided as in Appendix A. Each MC question has a question content and five possible choices: Very Satisfied, Somewhat Satisfied, Neutral, Somewhat Dissatisfied, Very Dissatisfied. The open question has a question content only and expect answer in free text.
- c. An attendee is asked to enter an email address at the beginning of do the survey to distinguish from each other.
- d. Each attendee is expected to complete the survey at most one time.

8. Reports

- a. Simple reports can be generated with the survey data, such as bar graph and pie charts.
- b. Another web link is provided to generate the reports and login is needed. The ID and password can be fixed.
- c. For each preset and MC question, a bar graph is created by using Google Chart.
- d. An excel or a CSV file can be exported from the survey data.

9. About Page

- a. Display conference background and organizing committee members.
- b. Links to COMP website and PolyU website

Bonus Part (4% in addition to 20%)

10. Acknowledgements and sponsorships

- a. *There is a Thankyou page to thank all who have contributed to the conference. The list is provided as an Excel or CSV format file. Each record includes a name and affiliation.*
- b. *There is a sponsorship page to display the sponsors. Each sponsor record has type (Diamond, Platinum, Gold), a logo image filename, and a sponsor ID.*

11. Locations of venues inside the conference area

- a. *Floor plans are available as JPG files. There are up to 5 floor plans and each would show the rooms used by the conference. One additional floor plan shows the route of the hotel entrance to the conference venue.*
- b. *Each room of the conference has a text description of how to go to the room from the hotel entrance. This information is stored in an Excel or CSV format file.*
- c. *When a conference attendee searches for a room, the corresponding floor plan would be displayed as well as the text description to the room.*

The project should be done with HTML, CSS, Javascript and PHP. The backend database server can be MySQL. The use of IBM Bluemix is encouraged. You are welcome to use any library as long as it is free and open source.

Project Roles

The project is expected to be done in groups of 4 students. Each group member should be involved in programming but also have a distinct role for some part of the project. This doesn't mean you must do all the work for that part or only work solely on that part; it just means you are responsible for making sure it is done right. Part of your individual grade will depend on how well you lead your team in this regard. Some sample roles are:

- Project leader – you are in charge of ensuring that work is distributed in a fair manner to each team member and that the work is getting done. You ensure that project report and demonstration are done properly.
- Interface designer – you ensure that appropriate interface styles are adopted and used to create a consistent and attractive look across the whole site and suitable for old users.
- Quality controller – responsible for ensuring the system is functionally efficient, error free, and secure. The controller tests the system to expose its weaknesses and then interfaces with other team members to devise a solution. Additionally, quality controllers must ensure code is well commented and that similar tasks utilize the same code.
- Technical writer – you are responsible to ensure the quality of the documentations of the team project, including user guide, installation guide and the revised project requirement specification.

Project Grading

The project is of 20% of the total subject assessment. The grading should be based on system design, functional features, implementation, and documentation. Marks are distributed as below.

1. Midterm presentation (2%), a health check, Nov 15-17, 2016, each group 5-10 minutes
2. System Implementation and Documentation (18%), Dec 4, 2016
 - The URLs to try out the application (12%)
 - Reports should include (3%)
 - A user guide and an installation guide
 - Descriptions of individual role and contributions (3%), role and overall percentage of work including list of completed tasks

Appendix A.

Preset questions

1. Have you ever attended our conference before? (If yes, please specify which year)

A. Yes B. No
2. How did you hear or learn about this conference?

A. Ad in [PRINT MATERIAL]

B. Conference Website
C. Referral
D. Email / Newsletter
E. Social Media
3. Please specify the main reason for attending this conference?
A. Content
B. Networking
C. Personal growth & development
D. Speakers
E. Other:
4. Did the conference fulfill your reason for attending?
A. Yes – Absolutely
B. Yes -- But not to my full extent
C. No
5. Would you recommend this conference to others?

A. Yes
B. Maybe