



System Analysis and Design

Final Assignment



Design Requirements

- The management of a software development conference organizer wants to update their registration process from heavy manual process and paper works to a computerized system for efficiency. The new system should use an on-line web-enabled application running on the Window systems with a very simple user interface for conference attendees to register the conference sessions without much training required. Conference attendees can use the system during the open registration period followed by two weeks of registration closed before the conference starts.
- With this new registration application, each attendees can register the conference by entering his/her name, address and other information specified and conference session selected for the conference during the open registration period. Each session is under a conference track. Each track has different topic about software development (see next page). The conference fee is collected when using an authorized credit card. An attendee's ID will be given after a successful registration. Adding or deleting any session will be granted and the conference fee will be refunded during this period. After this period, attendees can only cancel the entire conference (all sessions) and will only receive half refund of the original registration fee. Once the conference starts, there will be no refund. Assume that the credit card company interfaces with the bank system used by the conference organizer. Therefore, fund will be transferred from the credit card company to the bank system when a fee is paid. When registration is canceled, your bank will refund to the credit card company if appropriate. In your design, identify your system interfaces with both systems of the credit card company and the bank used by the conference organizer.
- Each attendee's should be able to print the registration record of attending sessions at any time after registration.
- The registration administration of the conference organizer should be able to look up and print the following information:
 - Who has registered what sessions
 - Who is registered for what tracks
 - Who is the speaker of a session and who speaks at what session
 - Who are the attendees in a session and the track name

Slide 2

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Valued Acer Customer, 8/22/2010



Information for the Conference

Attendee:

- Name (text)
- Conference Attendee ID (number)
- Address (text)
- Company Name (text)

Track:

- Management
- System Architecture
- Project Development
- Development Tool

Session:

- Session number
- Track
- Session level: Beginner, Intermediate, Advanced

Speaker:

- Name (text)
- Conference Speaker ID (number)
- Address (text)
- Company Name (text)



Student Final Presentation

- Each team will prepare your final design report including:
 - Your team design approach
 - Your design objectives and principles
 - Your requirements captured
 - Use case models
 - Your system designs
 - User interfaces
 - Class diagram (structure model)
 - Sequence diagram (dynamic model)
 - Persistence data
 - Application deployment diagram
- Each team must submit your design report at 7/20 5:00pm before the presentation (including those presentations may be at a later time or the next day)

5 points will be deducted for each hour late