

Convention Project

Project Overview

- Your team is in charge of creating an attendee management system for a convention.

The specifications for this system are as follows (with detailed information for each on the following slides):

- The attendee needs to be able to sign up online for the convention.
- The attendee needs to be able to choose their preferred accommodations and roommate (if applicable).
 - Their spouse may stay with them at the hotel but not attend the convention unless they pay for the convention rate. The spouse would pay the additional room fee.
- The attendee should be able to choose a mode of transportation. This may or may not be figured into the bill.
- The system should be able to give a summary of all attendees along with their schedule and their accommodations (roommates should be matched).
- There are two hotels to be used for the convention.

Project Details:

Convention Signup – Personal Information

- Should collect relevant personal. You may collect any extra information you deem necessary.

Please note that at least the following is required:

- Name
- Full Address, State/Province, Country, etc.
- Telephone (including country and area code)
- Email Address
- Spouse name if attending

Project Details:

Convention Signup – Event Selection

- Should collect the event(s) the person wishes to attend (note that events are specific to the convention).
- Note that events can be on different days and times. It would be a good idea to check that the person doesn't pick any that conflict.
 - Events last for 3 hours with breaks for lunch and dinner. The conference lasts for 3 days. There can be evening sessions.
- Also note that events have limited capacity (10 attendees each). Be sure to add in logic to check that the event is not full before allowing them to add it.
- The base price for the convention is **\$200** and they get to attend 4 events for this price. Each additional added event costs **\$25**.
- Do not worry about keeping track of payment, but do keep record of the amount owed.

Project Details:

Convention Signup – Accommodation Selection

- Should collect the hotel the attendee wishes to reside.

The attendee may choose one hotel. You may collect any extra information you deem necessary. Charge **\$150** per day for a single room, and **\$75** per day if a roommate is requested. There is a limit of two people per room. **There are two hotels and each have 10 rooms (4 of which are smoking).** *A hotel stay is optional. You may specify the name of the roommate you want if you do attend the hotel*

- *5 of the rooms have double bed—base rate of 190 + 10 per extra person*

Please note that at least the following is required:

- Hotel Identification
- Preferred floor
- Date(s) reserved
- Smoking/Non-smoking
- Roommate requested?
- Room number?—You may choose one but if not, then you are assigned one.

Project Details:

Convention Signup – Roommate Selection

- If the attendee requests a roommate, we need some more information about them to properly match them with another attendee. You may collect any extra information you deem necessary.

Please note that at least the following is required:

- Preferred bed time/wake time
- Sex of roommate
- Sleeping facilities like 2 double beds in the room, etc.

Project Details:

Convention Signup – Transportation Selection

- Should collect the transportation the attendee wishes to utilize.

The attendee may choose only one mode of transportation which will be made by the attendee:

- Walk (\$0 per day)—you are staying in the hotel or one nearby
- Shuttle (\$5 per day)
- Bicycle (\$10 per day)
- Rental Car (\$50 per day)

Project Details:

Convention Signup – Completion

- An email should be sent to the attendee once he is successfully registered. It should include information about the events he will be attending, transportation selection, accommodations, and price.
- The attendee will be unable to change any options after receiving the email since all transactions are final.

Project Details:

Convention Admin Page

- A summary of the convention should reside on a page that requires secure login. Use PHP sessions and cookies for persistent log in for this.
- Display the gross income of the convention, # of events, # of guests, # of hotel reservations, and anything else you deem appropriate.
- Display a list of all attendees along with their name, # of events, information on their chosen mode of transportation, accommodations, and finances.
- The event coordinator should be able to tell the system to match up each attendee with another attendee (if roommate requested). This should happen for all roommates at the same time.

Project Timeline—Due Each Saturday night by Midnight

- Week 1—
 - Submit schema for all the tables and create the home page
- Week 2 --
 - Create the tables for the database
- Week 3 ---Create the forms that is used to store information in the tables
- Week 4—
 - Plan and revise (if necessary) an algorithm which outlines the plan for program. This would include pulling data from forms and PHP code you write and storing in correct tables. It would also involve designing any queries that might need to be used to pull data from tables.
- Week 5-7—Nov. 4-Nov. 18
 - Code
 - Be sure you have entered sample data to test that it works.
 - Be sure you have code the backend that handles the administration side where you have to have secure login
- I would suggest that as soon as you are sure of your schema for a table, you build the table and after we talk about combining php code with the database, you could start some coding, even though coding is reserved for weeks 5-6.
- Week 8-→Nov. 18 on-→
 - Finish coding and testing
 - Analyze what changes need to be made to allow for more than one convention. Think about conventions rooms, needed equipment for multiple conventions and event times. How do you schedule them in the building. You will have to think about how big the convention will be and the layout of your building. Look at your old schema tables, forms, code and make modifications.