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DATABASE DESIGN REQUIREMENTS

USER REGISTRATION (ALL PROJECTS)

This part of the requirement will be used for DB Design Lectures and Discussions.
Whatever is produced by the teacher on this part of the requirement will be used by all the groups in their project.

Company Users

1. Company users are registered by a Systems Administrator.
2. Company users can be of either a travel officer (TO) or manager. A TO handles transactions with clients and the manager monitors what is happening with the company and makes decisions on issues raised to him/her.
3. There can be several managers in the company because of operation shifts. There are four shifts in the company, each span for 6 hours. TOs are also assigned to a specific shift. The shift TOs are assigned to determine what time of the day they can actually work and use the web application. Managers do not have this restriction. Shifts have their start time and end time.
4. When the systems administrator registers a TO or manager, the following details are recorded – complete name, complete address, birthday, date hired, shift, days in the week of work (the company has a 7-day operation, so employees are assigned different days of work), username and password, email address, mobile phone numbers, and emergency contact information (complete name, complete address and mobile number). Usernames are permanent and cannot be changed.
5. Email address are unique, once registered, it cannot be used by other users.
6. Company users can update their information except for their username and complete name. Updating of username and complete name can only be done by the Systems Administrator.
7. There is only one Systems Administrator in the company. At the start of the application, a manager account is created and is assigned as Systems Administrator.
8. Only managers can become systems administrators. In the event that a systems administrator is replaced, the system administrator can transfer being system administrator to the manager assigned to be the new systems administrator.

Client Users

1. Clients are registered by TOs or clients themselves register through the web application.
2. Clients register their desired username, password, last name, first name, birthday, gender, complete address, proof of billing (scanned copy), credit card information (credit card no and expiration) for billing purposes, scanned copy of the front face of the credit card, passport details (passport no, place of issue and expiration date) for foreigners. A scanned copy of the passport needs to be submitted (for foreigners) in order for user registration to be approved.
3. Email address are unique, once registered, it cannot be used by other users.
4. Client users can update their information except for their username and complete name. Updating of username and complete name can only be done by through the TO.
5. Regardless of whether clients register through the web or through the TOs, the account will still be pending until all requirements are completed. For scanned copy requirements, these are emailed to the company. Clients have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the client and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".
6. User may opt to re-submit scanned documents to replace their previously submitted documents. The TO assigned to read the email will simply update the records. Previously submitted documents are deleted from the application.
7. Only managers can approve registration. Managers usually check the list of client registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the client through email.
8. Clients can register once their account is approved, can register further as a service provider. Users can register as
   a. Dining Accommodation Provider
   b. Accommodation Provider
   c. Tour Guide Services Provider
   d. Transport Service Provider
   e. Cultural Classes Provider
   f. Community Building Provider
9. Each type of provider will require additional information and requirements for approval. Only clients from the Philippines can be providers. When a client registers further as a provider, he/she cannot anymore update his/her complete address. Updating of complete address can only be done through the TO.

Client Groups

1. Clients can form themselves as a group.
2. A client can create a group, create an itinerary for the group and invite his/her friends to be part of a group tour.
3. When a group is created, the application automatically assigns it a unique groupID.
4. Group details include start and end date of the Tour and the client serving as the group representative.
5. Invites to the group tour is accepted by the invited client. Accepting to be part of a group tour also means accepting whatever the group representative arranges through the applications as valid and binding.
6. The representative can make changes to the start and end date of the tour, removes a member and invite new members of the group.
7. Group members can opt to remove themselves from the group.
8. The application is not designed to be used to collaborate with the members of the group. The representative need to do this outside of the application.
9. In the application is such that itinerary is prepared by the representative
10. When bookings are already made, representative cannot anymore add new members. Removal of members is still possible, but the bookings made cannot be anymore be changed, the cost has to be shared among all the remaining members.

Submitted Documents

1. Submitted files are stored in a repository. The folder, the type of file and filename is recorded in the application. The application automatically assigned a FILEID to the file.
2. The file is associated with a user that owns the submitted file.
3. The web application also provides a link to the files submitted by a user. Of course, this is only accessible by the user and also by the TOs and Managers

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DATABASE DESIGN REQUIREMENTS

PROJECT A: Dining Accommodation

Aside from the specifications listed in this project, the project also implements USER REGISTRATION.

Module A.1: User Registration. See details above

Module A.2: Service Provider Features

Registration of Provider

Only homeowners with no work, can register as a dining accommodation provider (DAP). This is declared during user registration. When a client further registers as a Dining Accommodation Provider (DAP), the following information is needed for the registration to be approved – Location of the dining accommodation (coordinates), maximum number of guests that can be accommodated, number of years cooking, pictures of the dining area, pictures of the cooking area, pictures of the comfort room available for tourists, pictures of other features that will be of interest to guests, scanned copy of barangay authentication of the pictures submitted, scanned copy of barangay clearance. Files are sent via email to the company. DAPs have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the DAP and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".

DAPs may opt to re-submit files to replace their previously submitted files. The TO assigned to read the email will simply update the records. Previously submitted files are deleted from the application. Only managers can approve registration. Managers usually check the list of DAP registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the DAP through email.

Booking Management

Once a DAP is approved, he/she can configure the service/s he/she is providing in order to accept bookings.
Service Offerings are created in a monthly basis. For example, a service offering for December 2019 is created on or before October 1, 2019. This mechanism provides DAP the needed time to prepare for the service offering. If the monthly service offering is not created or created on time, the DAP will not be able to have any offerings (and thereby booking) for the month. This was intended to ensure that DAP plans dining services ahead of time. The DAP also indicates the lead time for bookings to be done, and the lead time for cancellation of bookings. Lead times vary per service offering.

For a specific service offering, the following is configured by the DAP -- the days in the month the service is available and the menu offering for each day. It is up to the DAP to identify if menu is the same for all the days, or there are days with a specific menu.

There can be several menu offerings within a day – a breakfast menu, a lunch menu, a dinner menu, an afternoon snack menu. Depending on the DAP, some DAP may only offer breakfast, some may only offer a lunch and dinner, etc. It is up to the DAP to identify what menu offerings within the day it is serving. In a menu offering, the DAP records the different food items that will be served per person and the price. Dining accommodations are like set-menu restaurants. When a tourist book for dining accommodation, the tourist only specifies either breakfast, lunch, dinner or a snack is being booked on the day.

DAPs can make changes to the menu at any time, as long as nobody has booked yet on the day and on the menu. DAPs can also close a day as long as nobody has booked yet on the day. DAPs can also add new days and new menu for that day. Prices can also be changed by the DAP but booked prices cannot be changed.

At any given time, the DAP can view all current, pending and past bookings.

Module A.3: Tourist Features

Tourist/Group Representative can search for dining accommodations available on a specific day that interests the tourist. The number of group members is automatically used for searching for available dining accommodations if the group representative is searching.

Tourists/Group Representative can book for a dining accommodation by choosing the day and the menu offered on that day. The cost of the booking is automatically computed. Bookings can be temporarily saved but will automatically be confirmed after two (2) days. Saved bookings can be modified by changing the date and the menu being booked. Saved bookings can be deleted.

When bookings are confirmed, 50% of the total cost will be charged to the tourists' credit card (you are expected to simulate credit card processing by maintaining records of credit card debits and credits, for this project, we will be assuming that all credit card transactions are approved by the bank).

Cancellations can only be done by Group Representative. A group member cannot cancel or modify a booking. Non-group tourists can cancel their own booking. When a booking is cancelled, the 50% payment is forfeited if done after the cancellation lead time, otherwise, 85% of the amount will be refunded.

Once a booking has been completed, all the remaining fees are paid by tourists in cash. The DAP records the payment.
The web application also provides each tourist (regardless whether group or non-group) to provide feedback about the food and the accommodation. This is recorded as a rating and feedback narrative.

At any given time, tourists can view their current booked dining accommodations and completed dining accommodations (and their feedback).

Module A.4: Report Generation Module

The following reports need to be generated for the Dining Accommodations Provider

1. Monthly completed and cancelled bookings and total sales given a specific year.
2. Daily complete bookings and total sales given a specific month and year.
3. Global Distribution (countries where customers are coming from) of customers for a specific month and year.
4. Top 10 Menu frequently booked by clients for a specific month and year.
5. Top 10 Menu highly rated by clients for a specific month and year.

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DATABASE DESIGN REQUIREMENTS

PROJECT B: Accommodation

Aside from the specifications listed in this project, the project also implements USER REGISTRATION.

Module B.1: User Registration. See details above

Module B.2: Service Provider Features

Registration of Provider

Only homeowners with no work, can register as a dining accommodation provider (DAP). This is declared during user registration. When a client further registers as an Accommodation Provider (AP), the following information is needed for the registration to be approved – Location of the accommodation (coordinates), whether the rooms are separate from the main house or inside the main house, number of rooms (max of 3), age of the house in years, pictures of the rooms, pictures of the comfort room available for tourists, pictures of the current living occupants in the house, pictures of other features that will be of interest to guests, scanned copy of barangay authentication of the pictures submitted, scanned copy of barangay clearance. Files are sent via email to the company. APs have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the AP and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".

APs may opt to re-submit files to replace their previously submitted files. The TO assigned to read the email will simply update the records. Previously submitted files are deleted from the application. Only managers can approve registration. Managers usually check the list of AP registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the AP through email.

Booking Management

Once an AP is approved, he/she can configure the service/s he/she is providing in order to accept bookings.
The AP registers in the accommodation the common features that guests can enjoy and would be interested in (e.g. river beside the house, views, near the beach, beside the road).

The AP registers every room that can be booked. For each room, the number of beds, the maximum number of occupants, the features available (Wi-Fi, Aircon, LED TV, Cable, Hot Water, Safe, Sofa, Refrigerator), and how much the accommodation is per day. Check-ins follow the standard 2:00 PM and check-outs on or before 12:00 NN. All rooms are assumed available everyday unless the AP registers the days the rooms are not available, or it has been booked.

The AP also registers the fees for additional charges such as – Additional Bed (per person per day price), additional toiletries and bath towels (per day per person), additional pillows and blankets (per piece per day). Additional charges are automatically added by the application (for example a room with 2 beds with more than 2 people will automatically add additional bed, pillows and blankets, towels and toiletries. Others can be added by the client when booking.

APs can make changes to the room at any time, as long as nobody has booked yet on the day. APs can also close a day as long as nobody has booked yet on the day. APs can also open new days. Prices can also be changed by the DAP but booked prices cannot be changed.

There are unforeseen situations that will make the AP close a room that already has a booking. The AP is responsible to communicate with the client immediately through the application. The AP should search for an alternative accommodation and pencil-book accommodation and offer it to the client. The AP when communicating with the client should provide the option to cancel or the alternative accommodation for the client. If the client chooses the alternative accommodation, then the AP confirms the booking for the client. In both ways, the booking with the AP is cancelled and the client is fully refunded.

At any given time, the AP can view all current, pending and past bookings.

Module B.3: Tourist Features

Tourist/Group Representative can search for accommodations available on a specific range of date that interests the tourist. The number of group members is automatically used for searching for available accommodations if the group representative is searching.

Tourists/Group Representative can book for an accommodation by choosing the range of dates and the room they want to book. Additional charges automatically added by the application cannot be deleted or modified by the user. The user may opt to add additional items to the booking. The cost of the booking is automatically computed. Bookings can be temporarily saved but will automatically be confirmed after three (3) days. Saved bookings can be modified by changing the range of dates and the room being booked. Saved bookings can be deleted.

When bookings are confirmed, 50% of the total cost will be charged to the tourists' credit card (you are expected to simulate credit card processing by maintaining records of credit card debits and credits, for this project, we will be assuming that all credit card transactions are approved by the bank).

Cancellations can only be done by Group Representative. A group member cannot cancel or modify a booking. Non-group tourists can cancel their own booking. When a booking is cancelled, the 50% payment is forfeited if done after the cancellation lead time, otherwise, 85% of the amount will be refunded.

There are unforeseen situations that will make the AP close a room that already has a booking. The AP is responsible to communicate with the client immediately through the application. The AP should search for an alternative accommodation and pencil-book accommodation and offer it to the client. The AP when communicating with the client should provide the option to cancel or the alternative accommodation for the client. If the client chooses the alternative accommodation, then the AP confirms the booking for the client. In both ways, the booking with the AP is cancelled and the client is fully refunded.

Once a booking has been completed, all the remaining fees are paid by tourists in cash. The AP records the payment.
The web application also provides each tourist (regardless whether group or non-group) to provide feedback about the room and the accommodation. This is recorded as a rating and feedback narrative.

At any given time, tourists can view their current booked accommodations and completed accommodations (and their feedback).

Module B.4: Report Generation Module

The following reports need to be generated for the Accommodation Provider

1. Monthly completed and cancelled bookings and total sales given a specific year.
2. Daily complete bookings and total sales given a specific month and year.
3. Global Distribution (countries where customers are coming from) of customers for a specific month and year.
4. Monthly occupancy rating of each room offered by the provider, given a specific year
5. Number of feedbacks per star for each room offered by the provider, given a specific year.

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DATABASE DESIGN REQUIREMENTS

PROJECT C: Tour Guide Services

Aside from the specifications listed in this project, the project also implements USER REGISTRATION.

Module C.1: User Registration. See details above

Module C.2: Service Provider Features

Registration of Provider

Only at least sophomore tourism student clients can register as a tour guide provider. This is declared during user registration. When a client further registers as a Tour Guide Provider (TGP), the following information is needed for the registration to be approved – school studying tourism, faculty contact (complete name and mobile number), scanned copy of student ID and enrolment in the school, scanned barangay and police clearance and a school recommendation. Files are sent via email to the company. TGPs have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the TGP and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".

TGPs may opt to re-submit files to replace their previously submitted files. The TO assigned to read the email will simply update the records. Previously submitted files are deleted from the application. Only managers can approve registration. Managers usually check the list of TGP registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the TGP through email.

Booking Management

Once a TGP is approved, he/she can configure the service/s he/she is providing in order to accept bookings.

A TGP prepares a tour itinerary that he/she will make available for booking. A tour itinerary is usually prepared either for half a day tour, or a whole day. A tour itinerary also includes a description of the tour, the inclusions (transportation, snacks, entrance fees, etc) in the tour, the maximum number of people for the tour, the price variation depending on the number of people that booked the tour, the items of the itinerary, time of meet-up and meet-up place (including map coordinates). The following details are prepared by the TGP for item of the itinerary -- time duration, tour Item, description of the tour, other information the tourist should know. The application assumes that the TGP's itinerary is available and offered from Mondays to Sundays unless the TGP declares the days that his/her itinerary is not available for booking. An itinerary is analogous to a room that a provider wants to offer to clients, and clients book the room on specific dates they prefer. A provider can have several itineraries prepared and made available for booking.

TGPs cannot make changes to the itinerary if there is a guest already booked to it. The TGP can opt to create a new tour itinerary and make it available to guests and deactivate the old itinerary. Deactivation of an itinerary will not affect any bookings already made to that itinerary.

TGPs have to indicate if a booked itinerary is confirmed. A confirmed itinerary offering means that no more guests can be added, the tour will push through. When an itinerary is confirmed, the price for each person is charged to the credit card of the booked guests. If booked guests wish to back-out from the tour, they will not be able to get a refund since the cost of the tour has been equally divided to the participating guests.

There are unforeseen situations that will make the TGP cannot handle a booked itinerary. The TGP should search (outside of the application) for other TGPs that can handle the booked itinerary and it ever there is an available TGP, the booked itinerary will be transferred to the new TGP. The TGP is responsible to communicate with the client immediately through the application about the new TGP.

At any given time, the TGP can view all current, pending and past bookings.

Module C.3: Tourist Features

Tourist/Group Representative can search for tour itineraries offered by tour guides, available on a specific date that interests them. The number of group members is automatically used for searching for available tour itineraries if the group representative is searching.

Tourists/Group Representative can book for an itinerary by choosing the dates and the tour itinerary they want to book. The cost of the booking is automatically computed. The price of the booking changes as number of tourists booking the itinerary increases or decreases. Booked clients are notified when prices change due to increases and decreases in the number of participating tourists in the tour. Bookings can be temporarily saved but will automatically be confirmed after three (3) days. Saved bookings can be modified by changing the date and the itinerary being booked. Saved bookings can be deleted.

When bookings are confirmed, it will take the tour to be confirmed by the TGP for the actual price to be charged to the tourists' credit card (you are expected to simulate credit card processing by maintaining records of credit card debits and credits, for this project, we will be assuming that all credit card transactions are approved by the bank). Cancellations can only be done by Group Representative. A group member cannot cancel or modify a booking. Non-group tourists can cancel their own booking. When a booking is cancelled, the entire payment is forfeited if done after the tour confirmation date.

Once a booking has been completed, the web application also provides each tourist (regardless whether group or non-group) to provide feedback about the tour and the tour guide. This is recorded as a rating and feedback narrative. At any given time, tourists can view their current booked accommodations and completed accommodations (and their feedback).

Module C.4: Report Generation Module

The following reports need to be generated for the Tour Guide Provider

1. Monthly completed and cancelled bookings and total sales given a specific year.
2. Daily complete bookings and total sales given a specific month and year.
3. Global Distribution (countries where customers are coming from) of customers for a specific month and year.
4. Monthly booking rating of each itinerary offered by the provider, given a specific year
5. Number of feedbacks per star for each itinerary offered by the provider, given a specific year.

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DATABASE DESIGN REQUIREMENTS

PROJECT D: Transport Service Provider

Aside from the specifications listed in this project, the project also implements USER REGISTRATION.

Module D.1: User Registration. See details above

Module D.2: Service Provider Features

Registration of Provider

When a client further registers as a Transport Service Provider (TSP), the following information is needed for the registration to be approved – Professional Driver's license number and expiration date, vehicle registration number, expiration and official receipt number, vehicle make, model and year, maximum passenger capacity, scanned driver's license and official receipt, vehicle registration and official receipt, scanned barangay and police clearance, pictures of the vehicle in all its sides, pictures of the interior of the vehicle that the guests will be interested to see. Files are sent via email to the company. TSPs have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the TSP and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".

TSPs may opt to re-submit files to replace their previously submitted files. The TO assigned to read the email will simply update the records. Previously submitted files are deleted from the application. Only managers can approve registration. Managers usually check the list of TSP registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the TSP through email.

Booking Management

Once a TSP is approved, he/she can configure the service/s he/she is providing in order to accept bookings.

The application assumes that the TSP's vehicle is available from Mondays to Sundays unless the TSP declare the days that his/her vehicle is not available for booking. Vehicles are rented in terms of hours, with a minimum base rate (for 4 hours), and the per hour rate for more than 4 hours of rent. The TSP can declare different rates on certain days. TSPs cannot make changes to the rate of a specific day if there is a guest already booked to it.

TSPs have to indicate if a booking is confirmed. A confirmed booking means that no changes in the booking can be made. The price for each person that will be part of the booking (for group tours) is charged to the credit card of the tour member. If only one person booked the entire vehicle then the entire rate is charged to the person. If bookings are cancelled by the guest after the confirmation, they will not be able to get a refund.

There are unforeseen situations that will make the TSP cannot handle a booked itinerary. The TSP should search (outside of the application) for other TSPs that can handle the booking and it ever there is an available TSP, the booked itinerary will be transferred to the new TSP. The TSP is responsible to communicate with the client immediately through the application about the new TSP.

At any given time, the TSP can view all current, pending and past bookings.

Module D.3: Tourist Features

Tourist/Group Representative can search for transport services available on a specific date that interests them. The number of group members is automatically used for searching for available transport services if the group representative is searching.

Tourists/Group Representative can book for a transport service by choosing the date, the number of hours they wanted to book the transport provider and the transport provider they want to book. The cost of the booking is automatically computed. Bookings can be temporarily saved but will automatically be confirmed after three (3) days. Saved bookings can be modified by changing the date and the transport provider. Saved bookings can be deleted.

When bookings are confirmed (either by client or the TSP), the actual price is charged to the tourists' credit card (you are expected to simulate credit card processing by maintaining records of credit card debits and credits, for this project, we will be assuming that all credit card transactions are approved by the bank). Cancellations can only be done by Group Representative. A group member cannot cancel or modify a booking. Non-group tourists can cancel their own booking. When a booking is cancelled, the entire payment is forfeited if done after the tour confirmation date.

Once a booking has been completed, the web application also provides each tourist (regardless whether group or non-group) to provide feedback about the vehicle and the transport provider. This is recorded as a rating and feedback narrative. At any given time, tourists can view their current booked accommodations and completed accommodations (and their feedback).

Module D.4: Report Generation Module

The following reports need to be generated for the Transport Service Provider

1. Monthly completed and cancelled bookings and total sales given a specific year.
2. Daily complete bookings and total sales given a specific month and year.
3. Global Distribution (countries where customers are coming from) of customers for a specific month and year.
4. Monthly booking rating (hours/8 hours) for the service offered by the provider, given a specific year
5. Number of feedbacks per star for the transport service offered by the provider, given a specific year.

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DATABASE DESIGN REQUIREMENTS

PROJECT E: Community Building Provider
Aside from the specifications listed in this project, the project also implements USER REGISTRATION.

Module E.1: User Registration. See details above

Module E.2: Service Provider Features
Registration of Provider
Community Building provides an opportunity for travelling groups to be part of community building activities of advocacy groups, non-government organizations, churches, schools and government units. These advocacy groups, non-government organizations, churches, schools and government are represented by an individual (called representative) that will serve as a point person of the community building activity. This individual must be a registered user in the application and registered further as a representative. The representative is called a CBP.

The following information is needed for the registration to be approved – position in the organization, years working for the organization, scanned organization ID, scanned barangay and police clearance, notarized appointment of the representative by the group running the community building activity, certification from governing government agency of the legal existence and good standing of the organization.

Files are sent via email to the company. CBPs have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the CBP and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".

CBPs may opt to re-submit files to replace their previously submitted files. The TO assigned to read the email will simply update the records. Previously submitted files are deleted from the application. Only managers can approve registration. Managers usually check the list of CBP registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the CBP through email.

Booking Management
Once a CBP is approved, he/she can configure the service/s he/she is providing in order to accept bookings.

This is the feature where the representative registers the community building activity. Details that needs to be supplied includes (1) Name of the Activity (2) Date of the activity (3) Exact Location and Map Coordinates (4) Beneficiaries of the Activity (5) Brief description of the intention of the activity (6) The name of the representative of the beneficiary community (7) Where the meeting point for tourists is - exact location and map coordinates (8) certification from the beneficiary representative of their knowledge of the community building activity being organized (9) Community Building Plan of Activities and safety, health and environmental protection mechanisms.

Part of the registration is the list of roles, tourists can choose to be taking during the activity, as well as the maximum number of tourists allowed in the role.
Part of the registration is the minimum amount needed for participating in the community building
Part of the registration is the list of items where additional monetary contributions of the tourists (if they opt to give) will be going to.
Since it takes time for the approval process, registration of community building activity must be done at least two (2) months prior the date of the activity

The representative can save the community building activity for the meantime and update the activity any time before it is submitted. When the activity details are final, then the representative can submit it for approval. Once submitted, the information about the activity can no longer be updated.

Files are sent via email to the company. CBPs have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the CBP and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".

CBPs may opt to re-submit files to replace their previously submitted files. The TO assigned to read the email will simply update the records. Previously submitted files are deleted from the application. Only managers can approve registration. Managers usually check the list of CBP community building activity registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the CBP through email.

It is possible that a representative is managing multiple CB Activities at the same time. This module allows the representative to properly monitor the different activities that are prepared, submitted and approved. The feature also allows the representative to view old activities and what tourists' feedback (star rating and feedback narrative) were about the activities. Through the feature, the representative can also monitor how many tourists are already booking on the activity, what roles are being booked also, the amount of monetary contributions that were also booked already.

At any given time, the CBP can view all current, pending and past bookings on each of the community building activity being handled.

Module E.3: Tourist Features

Tourist/Group Representative can search for community building activities available on a specific date range that interests them, on a specific city/municipality and province. He can further filter the community building activities by price of participating in the activity. Tourist/Group Representative can temporarily save the booking and when details are finalized, the booking can be finalized. Saved bookings can be deleted.

While the booking is not yet finalized, group members can already select the role they intend to take in the activity as well as the amount of contribution they wanted to give on top of the amount of participation. Bookings will be confirmed within three (3) days or three (3) days before the activity starts.
Updates to the booking are allowed until it is finalized or cancelled.

When bookings are confirmed, the actual cost per tourist is charged to the tourists' credit card (you are expected to simulate credit card processing by maintaining records of credit card debits and credits, for this project, we will be assuming that all credit card transactions are approved by the bank). Cancellations can only be done by Group Representative. A group member cannot cancel or modify a booking. Non-group tourists can cancel their own booking. When a booking is cancelled, the entire payment is forfeited if done after the tour confirmation date.

Tour leader can also monitor through this feature what role each member registered to but cannot see if the member has opted to make contribution and how much the contribution was.

Once a booking has been completed, the web application also provides each tourist (regardless whether group or non-group) to provide feedback about the vehicle and the transport provider. This is recorded as a rating and feedback narrative. At any given time, tourists can view their current booked accommodations and completed accommodations (and their feedback).

Module E.4: Report Generation Module
The following reports need to be generated for the Community Building Provider

1. An annual and monthly report that shows per requirement, thee average number of days it takes for it to be submitted from the time the activity was submitted for approval. The user can choose what year and/or month the report is to be generated
2. A monthly report of how many activities were submitted, pending approval, approved. The user can choose what month and year the report is to be generated
3. Global Distribution (countries where customers are coming from) of customers for a specific month and year.
4. Number of feedbacks per star per CB activity offered by the provider, given a specific year.
5. Monthly report of collections and contributions made for every CB activity offered by the provider, given a specific year.

CCINFOM

DATABASE DESIGN REQUIREMENTS

PROJECT F: Cultural Class Provider

Aside from the specifications listed in this project, the project also implements USER REGISTRATION.

Module F.1: User Registration. See details above

Module F.2: Service Provider Features

Registration of Provider

Cultural Classes provides an opportunity for travelling groups to learn about the culture of the area where they will have a tour through classes offered by advocacy groups, non-government organizations, churches, schools and government units. These advocacy groups, non-government organizations, churches, schools and government are represented by an individual (called representative) that will serve as a point person for the cultural classes. This individual must be a registered user in the application and registered further as a representative. The representative is called a CCP.

The following information is needed for the registration to be approved – position in the organization, years working for the organization, scanned organization ID, scanned barangay and police clearance, notarized appointment of the representative by the group running the cultural classes, certification from governing government agency of the legal existence and good standing of the organization.

Files are sent via email to the company. CCPs have to use their registered email address when emailing requirements to the company. The email address is what, the TO assigned to read the emails for the shift, use to identify the CCP and update the record of the submission (what was submitted, the file submitted, date submitted, and date processed by the TO). When all the requirements for the registration is complete, the web application automatically tags the status of the registration – "For Approval".

CCPs may opt to re-submit files to replace their previously submitted files. The TO assigned to read the email will simply update the records. Previously submitted files are deleted from the application. Only managers can approve registration. Managers usually check the list of CCP registrations for approval, go through each of the record, verifies completeness of requirements and approve the registration. When managers disapprove registration, he/she needs to write the reason for disapproving registration. Disapproval and reasons for disapproval of registration is sent to the CCP through email.

Booking Management

Once a CCP is approved, he/she can configure the classes he/she is providing in order to accept bookings.

Just like courses in schools, classes can be created by a CCP that will be offered for tourists to enrol in. Details of the course includes the course name, description, course hours, venue (map coordinates), date of the class, inclusions in the fee and the course fee, and the name of the class lecturer. A minimum number of participants for the course to proceed and the maximum number of participants is also recorded. A course can actually be offered again on different dates. The class lecturer's background information is also recorded by the CCP.

The CCP can modify any part of the class as long as it is not open for enrolment or if it is already open for enrolment, there are no registrations yet on the class. When the number of confirmed participants reach the minimum number, the class is automatically confirmed. Confirmed participants can backout as long as the class is not yet confirmed. Confirmed participants that will backout after the class is confirmed cannot anymore get refund.

There may be a situation that a confirmed class will be cancelled. If such happens, then all confirmed participants are refunded in full.

At any given time, the CCP can view all current and past bookings on each of the classes being handled.

Module F.3: Tourist Features

Tourist/Group Representative can search for cultural classes available on a specific date range that interests them, on a specific city/municipality and province. The number of group members is automatically used for searching for available cultural classes if the group representative is searching. He/she can further filter the cultural classes by price of enrolling in the class. Tourist/Group Representative can temporarily save the enrolment and when details are finalized, the enrolment can be confirmed. Saved bookings can be deleted. Saved enrolment are automatically confirmed after three (3) days.

When enrolments are confirmed, the actual cost per tourist is charged to the tourists' credit card (you are expected to simulate credit card processing by maintaining records of credit card debits and credits, for this project, we will be assuming that all credit card transactions are approved by the bank). Cancellations can only be done by Group Representative. A group member cannot cancel or modify an enrolment. Non-group tourists can cancel their own booking. When a booking is cancelled, the entire payment is forfeited if done after the class confirmation date. There may be a situation that a confirmed class will be cancelled. If such happens, then all confirmed participants are refunded in full.

Once the class has been completed, the web application also provides each tourist (regardless whether group or non-group) to provide feedback about the class and the class provider. This is recorded as a rating and feedback narrative. At any given time, tourists can view their current and completed enrolments (and their feedback).

Module F.4: Report Generation Module

The following reports need to be generated for the Cultural Class Provider

1. Monthly completed and cancelled enrolment and total sales given a specific year.
2. Daily complete enrolment and total sales given a specific month and year.
3. Global Distribution (countries where customers are coming from) of customers for a specific month and year.
4. Monthly enrolment rating (confirmed classes/enrolment offerings) for the service offered by the provider, given a specific year
5. Number of feedbacks per star for the class service offered by the provider, given a specific year.