

TEST PROJECT

Server Side B

Submitted by:

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Competition Time:

3 hours

Assessment Browser:

Google Chrome





INTRODUCTION

WorldSkills International would like to create a web application to manage the reservation process for Restaurant Service during a WorldSkills Competition. This tool will be used to request reservations to participate in the Restaurant Service competition.

DESCRIPTION OF PROJECT AND TASKS

The overall application should suit the following requirements:

Bookings should be able to be done for an individual or a group. The look of the web application will correspond with the WorldSkills brand.

RESTAURANT SERVICE SEATING INFORMATION

There are four modules that each Restaurant Service Competitor has to perform during a lunch service throughout the Competition on a rotation basis. Therefore all four modules are done each day from C1 - C4 by different Restaurant Service Competitors, thus each Restaurant Service Competitor will compete every day and do one (different) module each day. This means that guests on the same day will have different dining experience options.

The 4 modules are:

- **Casual Dining** – 2 seating per day:
Seating 1 – 10:50am – 12:00pm
Seating 2 – 13:30pm – 14:40pm

Seating for each Restaurant Service Competitor in the following configuration:

- 1 table of 4
- 1 table of 2

Total guests required assuming 6 Restaurant Service Competitors would be 36 guests per seating/day.

- **Bar Service** – 1 seating per day:
Seating: 13:15pm – 14:45pm

Seating for each Restaurant Service Competitor in the following configuration:

11 table of 6

Total guests required assuming 6 Restaurant Service Competitors would be 36 guests per seating/day

- **Fine Dining** – 1 seating per day:
Seating: 13:00pm – 15:15pm

Seating for each Restaurant Service Competitor in the following configuration:

21 table of 4

Total guests required assuming 6 Restaurant Service Competitors would be 24 guests per seating/day.



- **Banquet Dining** – 1 seating per day:
Seating: 12:45pm – 15:00pm

Seating for each Restaurant Service Competitor in the following configuration::
31 table of 6

Total guests required assuming 6 Restaurant Service Competitors would be 36 guests per seating/day.

The information for the competition days (eg “C1 – 04.08.2015”) and the seating (name, description of module, configuration eg. “1 table of 4 and 1 table of 2”, time eg “13:15pm – 14:45”, total number of Restaurant Service Competitors, number of seats/guests per Competitor) are to be configurable in the database (no need to create an interface; always four competition days and four Restaurant Service modules).

The system shows the number of seats available (at the point of time when the page is called) for each of the seatings. It is possible to request a booking for a full seating.

The maximum guests from the same country for one seating is the total number of seats for that seating minus the seats served by one Restaurant Service Competitor (in the example above that would be maximum 30 guests from one country for one seating of “Casual dining”). This is to make sure that no guests will sit at the table where the Restaurant Service Competitor is from the same country as the guests. The maximum number of guests is the same for any country, even if that country does not have a Restaurant Service Competitor.

The system always accepts booking requests for any of the four competition days. Requests for past days will not be considered by WSI staff and will be declined. Bookings requested that exceed already confirmed seatings can be waitlisted in the case of a cancellation. The guest should be notified that they are on a waitlist and that they will be called if a cancellation occurs.

WORKFLOW

Submitted requests will automatically be scheduled into the overall schedule, but must be confirmed by WSI staff. WSI staff need to have the option to reschedule bookings (per guest) for other days, times or dining types. Once bookings are confirmed, the requester will receive an official email confirming their schedule.

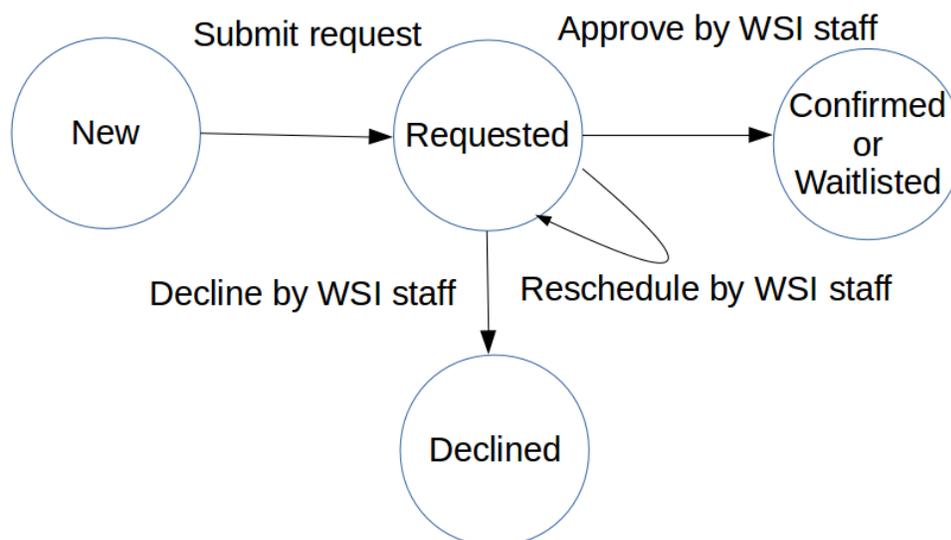


Figure 1: Reservation states



PAGES REQUIRED

- Homepage with dining experience descriptions
- Booking Contact Details and Guest Regulations
- Booking Request for:
 - Individuals
 - Groups
- Submission Confirmation
- Reservation Management

Each of the pages and its behaviour is described below.

HOME PAGE WITH DINING EXPERIENCE DESCRIPTIONS

Casual Dining	Bar Service	Fine Dining	Banquet Dining
This dining is like a bistro/café. Casual service for sandwiches, cakes, cheese plates, salads, alcoholic and non-alcoholic beverages. Guests can choose from a limited menu	Competitors will prepare international cocktails and serve with light snacks.	This is formal dining with a four course set menu with alcoholic beverages. The service includes the waiter preparing all dishes at the table by flambé, carving or assembling. Appropriate for VIPs.	This is a three course set menu with coffee and alcoholic beverages in a banquet format.
Tables of 2 and 4	Tables of 6	Tables of 4	Tables of 6
Seating 1: 10:50 – 12:30 Seating 2: 13:30 – 14:40	Seating: 13:15 – 14:45	Seating: 13:00 – 15:15	Seating: 12:45 – 15:00

[Start booking](#)

The homepage will give a brief overview of each dining experience.



BOOKING CONTACT DETAILS AND GUEST REGULATIONS

Booking Contact

Name*

Organization¹

Email*

Phone

Country* ▼

*) these fields must be filled
)¹ if applicable. We might give priority to a sponsor for example, if we get multiple requests.

Guest Regulations

Welcome to the Restaurant Service booking request system. All bookings will be submitted to WorldSkills International for final confirmation.

Before proceeding with your booking please read and accept the guest regulations:

- Guests must be at the Restaurant Service area 15 minutes prior to scheduled seating time.
- If guests are late (maximum 5 minutes from allocated time) their table will not be guaranteed (so that Competitors are not disadvantaged, the tables will be given to standby guests).
- Once seated – guests must accept all food and beverage that is offered, as Competitors must be marked on all skill areas.
- Dietary requests cannot be accepted, as menu items must be the same for all Competitors.
- No mobile phones, videos or cameras are permitted to be used.
- Guests cannot leave the area until the meal service is completed unless approved by Experts in the area (again this is so that no Competitor is disadvantaged with service).
- Guests will *not sit* at the tables where the Competitor is from the same country as the guests.
- Guest are invited as guests of WorldSkills, they are not to judge the Competitor or interfere with the Competitor in their work or cause disruption to their work or make comments to judges about any of the Competitors.
- Guest must be legal drinking age according to the Host Country regulations (i.e. 18 in Brazil).

I agree to the guest regulations and confirm that myself and any guests (group booking) will respect all of the guest regulations.

Everyone must accept the guest regulations before proceeding.

The mandatory fields must be verified and the email must be checked for correct pattern (eg. xxx@yyy.zzz).

For an individual, its name and country will also be used as guest information.

The list of countries is static and provided in the HTML code.



BOOKING REQUEST

INDIVIDUAL

Booking an individual guest

	C1 - 04.08.2015	C2 - 05.08.2015	C3 - 06.08.2015	C4 - 07.08.2015
Casual Dining 10:50 – 12:30	available: 22 <input type="checkbox"/>	available: 12 <input type="checkbox"/>	available: 32 <input type="checkbox"/>	available: 22 <input type="checkbox"/>
Casual Dining 13:30 – 14:40	available: 5 <input type="checkbox"/>	available: 0 <input type="checkbox"/>	available: 0 <input type="checkbox"/>	available: 22 <input type="checkbox"/>
Bar Service 13:15 – 14:45	available: 12 <input type="checkbox"/>	available: 22 <input type="checkbox"/>	available: 22 <input type="checkbox"/>	available: 22 <input type="checkbox"/>
Fine Dining 13:00 – 15:15	available: 32 <input type="checkbox"/>	available: 22 <input type="checkbox"/>	available: 22 <input type="checkbox"/>	available: 22 <input type="checkbox"/>
Banquet Dining 12:45 – 15:00	available: 2 <input type="checkbox"/>	available: 22 <input type="checkbox"/>	available: 22 <input type="checkbox"/>	available: 22 <input type="checkbox"/>

Please note that most seating take place at the same time and you are not allowed to change once seated. For a seating that is full, you will be waitlisted.

Individuals may select more than one seating. Guests will be waitlisted for seating that are full.



GROUP

Booking a group

Too many guests
from country AU for Casual Dining on C2 – 04.08.2015, 10:50 – 12:30 and
from country UAE for Bar Service on C4 – 07.08.2015, 13:15 – 15:15.
Please edit your booking request"

C1 - 04.08.2015 C2 - 05.08.2015 C3 - 06.08.2015 C4 - 07.08.2015

Dining Experience	Number of seats available Number of Guests to be seated	Guest Names (if known)	Guest Country*
Casual Dining 10:50 – 12:30	available: 22 <input type="button" value="+ Add guest"/>	Simon Bartley	UK ▼
		David Hoey	AU ▼
		Jane Stokie	AU ▼
		Brigitte Collins	AU ▼
Casual Dining 13:30 – 14:40	available: 5 <input type="button" value="+ Add guest"/>		
Bar Service 13:15 – 14:45	available: 12 <input type="button" value="+ Add guest"/>	WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
		WS france sponsor	FR ▼
Fine Dining 13:00 – 15:15	available: 32 <input type="button" value="+ Add guest"/>	Simon Bartley	UK ▼
		David Hoey	AU ▼
		Jane Stokie	AU ▼
Banquet Dining 12:45 – 15:00	available: 2 <input type="button" value="+ Add guest"/>		select ▼

Please note that most seating take place at the same time and you are not allowed to change once seated.
For a seating that is full, you will be waitlisted.

The booking contact (no booking request for a seat) may enter information about the guests they want to request bookings for. They must select the day, dining experience and number of guests for each seating - that will add/remove the respective number of lines/input fields for that seating. Guest must be identified by their country at a minimum.

After submitting (pressing the button), the number of requests for guests from the same country per seating will be verified (server side). If there are too many, the booking page containing all the data will be displayed again, together with a message informing the booking contact to correct the request (see above). Only when correct it will be submitted to the database and continue to the confirmation page.



SUBMISSION CONFIRMATION

Booking request confirmation
Sarah Rogers, thank you for your booking request 201500021.
You have requested booking for the following guests:
C2 - 05.08.2015, Casual Dining 10:50 - 12:30 for Simon Bartley UK, David Hoey AU, Jane Stokie AU, Brigitte Collins AU
C2 - 05.08.2015, Bar Service 13:15 - 14:45 for WS france sponsor FR, WS france sponsor CA, WS france sponsor BE, WS france sponsor BE, Simon Bartley UK, David Hoey AU, Jane Stokie AU
C4 - 07.08.2015, Bar Service 13:15 - 14:45 for Jane Stokie AU, Brigitte Collins AU, Skills Emirates UAE
Please note that these booking requests will need to be reviewed and confirmed by WSI. You will receive an email with the confirmation as soon as possible.

Upon submitting their requests there should be a confirmation of their submission *on screen*. A text informs them to wait for the reservation confirmation via email.



RESERVATION MANAGEMENT

Reservation Management

Day	Seating	Booking No	Guests	Status	Action			
					Confirm	Decline	Waitlist	Reschedule
C2	Casual Dining 10:50 - 12:30	201500008	1. Jimmy Hendrix US	requested	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...								
C2	Casual Dining 10:50 - 12:30	201500021	15. Simon Bartley UK	confirmed				
C2	Casual Dining 10:50 - 12:30	201500021	16. David Hoey AU	confirmed				
C2	Casual Dining 10:50 - 12:30	201500021	17. Jane Stokie AU	confirmed				
C2	Casual Dining 10:50 - 12:30	201500021	18. Brigitte Collins AU	declined				
C2	Bar Service 13:15 - 14:45	201500015	1. Autodesk	confirmed				
C2	Bar Service 13:15 - 14:45	201500015	2. Autodesk	confirmed				
...								
C2	Bar Service 13:15 - 14:45	201500021	25. WS france sponsor FR	confirmed				
C2	Bar Service 13:15 - 14:45	201500021	26. WS france sponsor FR	confirmed				
C2	Bar Service 13:15 - 14:45	201500021	Sarah Rogers WSI +51 342 31 95 31 sarah.rogers@worldskills.org US	confirmed				
C2	Bar Service 13:15 - 14:45	201500021	29. WS france sponsor FR	confirmed				
C2	Bar Service 13:15 - 14:45	201500021	30. WS france sponsor FR	confirmed				
C2	Bar Service 13:15 - 14:45	201500021	31. WS france sponsor FR	confirmed				
C2	Bar Service 13:15 - 14:45	201500021	32. WS france sponsor FR	confirmed				
C2	Bar Service 13:15 - 14:45	201500021	33. WS france sponsor FR	waitlisted				
C2	Bar Service 13:15 - 14:45	201500021	34. WS france sponsor CA	declined				
C2	Bar Service 13:15 - 14:45	201500021	35. WS france sponsor BE	requested	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
C2	Bar Service 13:15 - 14:45	201500021	36. WS france sponsor BE	requested	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
C2	Bar Service 13:15 - 14:45	201500021	37. Simon Bartley UK	requested	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C2	Bar Service 13:15 - 14:45	201500021	38. David Hoey AU	requested	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C3	Casual Dining 10:50 - 12:30	201500021	39. Jane Stokie AU	requested	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
C4	Bar Service 13:15 - 14:45	201500021	1. Jane Stokie AU	confirmed				
C4	Bar Service 13:15 - 14:45	201500021	2. Brigitte Collins AU	confirmed				
C4	Bar Service 13:15 - 14:45	201500021	3. Skills Emirates UAE	confirmed				
...								

Generate Guest List Send emails Save changes

In a separate directory called “/management” inside the module directory (protecting this directory e.g. by .htaccess is not required and **not** part of the competition) provide a page called “ReservationManagement.php” where WSI staff can view all existing reservations and confirm (accept), waitlist or decline pending reservations by selecting the respective radio button (shown only for “requested” state) per entry. It is not necessary to select a radio button for each line – the entry can be left undecided for later.

Pending (“requested” state) reservations can also be rescheduled to a different seating on the same or a different day: marking the entry for rescheduling will show the dropdowns for selecting the day and seating after saving (see above). Then the WSI staff can select the appropriate day and seating, set the entry to “confirm” and save.

The list is sorted by day, then seating, then booking status (1. Confirmed, 2. Requested, 3. Waitlisted, 4. Declined) and then booking no (sequence of booking). The requests per seating are numbered (number preceding the name of guest). In that way it is easy for WSI staff to see how many guests they can allow (see “Bar Service” above).

“Send emails” will send a note to each booking contact, showing the status of booking for every guest. Pressing the button multiple times will send multiple notes to the same contact unless every guest for that contact is either confirmed or declined. **For the competition “Send emails” will just save a text-file with**



the specified information on the server in a directory “/emails”. Later that will be changed into sending out an email.

Booking confirmation
Sarah Rogers, thank you for your booking request 201500021.
We are happy to send you the latest information about guest confirmation:
C2 - 05.08.2015, Casual Dining 10:50 - 12:30 for Simon Bartley UK - confirmed David Hoey AU - confirmed Jane Stokie AU - confirmed Brigitte Collins AU - declined
C2 - 05.08.2015, Bar Service 13:15 - 14:45 for WS france sponsor FR - confirmed WS france sponsor CA - declined WS france sponsor BE - requested WS france sponsor BE - requested Simon Bartley UK - requested David Hoey AU - requested Jane Stokie AU - requested
C4 - 07.08.2015, Bar Service 13:15 - 14:45 for Jane Stokie AU - confirmed Brigitte Collins AU - confirmed Skills Emirates UAE - confirmed
Please note that your guests need to arrive at Restaurant Service at least 10 minutes prior to the scheduled seating time.

EXPORT FOR RESTAURANT SERVICE HOST

Booking information must be able to be exported or viewable (csv or screen) by the Restaurant Service host/hostess so they can seat people at the appropriate table (i.e. ensure that no one sits at a table with a Competitor from their country). This can be done using the button “Generate Guest List”.

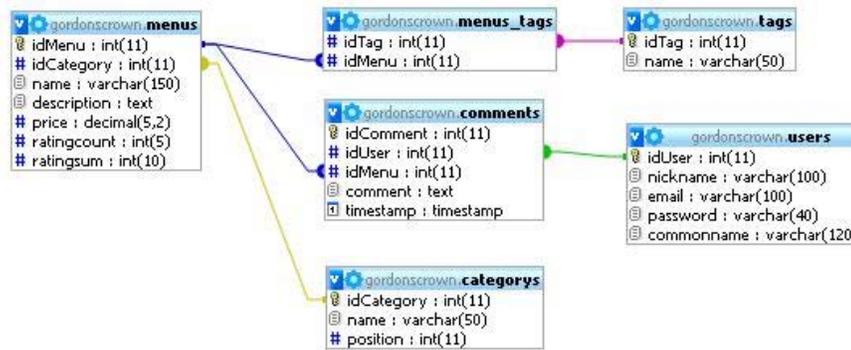
Host/Hostess should clearly see the following information for each guest, grouped by day, then by seating, sorted by Booking No and filtered by status “confirmed”:

- Booking No
- Booking Contact Name
- Booking Contact Organization
- Guest Name
- Guest Country



INSTRUCTIONS TO THE WEB DESIGN COMPETITOR

- Save your files in your working directory on the server called "XX_ServerSide_B ", where XX is your country code.
- It should be possible to start the application by calling the directory mentioned above. You might need to create some kind of redirect to the applications main page.
- Create/generate a DB-diagram named "db-diagram.xxx" (xxx is the extension/type of the file eg. pdf or jpg) and put it into the directory mentioned above.
You can use phpmyadmin -> designer or any other tool to generate the diagram.
Example:



- Save all your work files (those that will *not* be assessed) into a subdirectory called "work".
- Save all other files (those that will be assessed) into a suitable directory structure and naming inside the directory mentioned above.
- Create a SQL dump of your database and put the *.sql file in a folder "/dbdump" inside the directory mentioned above (XX_ServerSide_B).
- For this module you must use one of the two available frameworks which you installed on familiarization-day (C-2). Applications developed without use of any of these frameworks will not be considered. You should take advantage of the framework as much as possible.

FILES PROVIDED

ITEM	DESCRIPTION
Laravel PHP Framework incl. short documentation / cheat sheet	Web Design Competitor can choose which one of these frameworks he wants to use. Installation will be done on the familiarization-day (C-2)
Yii PHP Framework incl. short documentation /	Web Design Competitor can choose which one of these frameworks he wants to use. Installation will be done on the familiarization-day (C-2)
WSC2015_TP17_ServerSide_B_media_template.zip	Media files to be used



INTERNET ACCESS

- no internet access

MARKING SCHEME SUMMARY

SECTION	CRITERION	JUDGEMENT MARKS	OBJECTIVE MARKS	TOTAL
H1	Functionality: Dining Descriptions & Booking Contact		1.25	1.25
H2	Functionality: Booking Request for Individual		1.25	1.25
H3	Functionality: Booking Request for Group		1	1
H4	Functionality: Reservation Management		2.5	2.5
H5	Functionality: Submission Confirmation and Reservation Confirmation		1.25	1.25
H6	Functionality: Reservation Data Export		1.25	1.25
H7	Functionality: Interaction / Workflow	0.5		0.5
H8	Working with Libraries	4		4
H9	Data & Structure	1	1	2
Total		5.5	9.5	15