

TEST PROJECT IT SOFTWARE SOLUTIONS FOR BUSINESS

WSC2015_TP09_S5_actual

Written by:

WorldSkills International External Writer





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Session 5 of this Test Project consists of the following documentation/files:

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| 1. WSC2015_TP09_S5_EN.pdf | (Session 5 instructions) |
| 2. marathon-skills-2015-testing-data-s5.pdf | (Testing data for session 5) |
| 3. marathon-skills-2016-database-design.pdf | (Specification of the database to design) |
| 4. marathon-skills-2015-meeting-checklist.pdf | (Meeting checklist for client interaction task) |
| 5. marathon-skills-2015-meeting-agenda.pdf | (Meeting agenda for client interaction task) |
| 6. marathon-skills-2015-status-icons.zip | (Icons used for registration status: tick & cross) |
| 7. marathon-skills-2014-logo.png | (Marathon Skills 2014 logo for the certificate) |
| 8. marathon-skills-2014-certificate-seal.png | (Certificate seal image for the certificate) |

INTRODUCTION

In this session, you will be continuing the development of the Marathon Skills 2015 application, building on what you have already developed. If you did not complete all the deliverables from the previous session, do not finish them now, you have new deliverables to work on.

In this session, you will be enabling coordinators to manage/edit a runner, generating certificate previews, and showing an overview of all sponsorship each charity has received. You will also be working on a separate database design task and having a short meeting with the client to give an update on the project.

Testing data has been provided to help you test the system: marathon-skills-2015-testing-data-s5.pdf

INSTRUCTIONS TO THE COMPETITOR

By the end of this session, you will need to have the following deliverables ready to submit so that the Marathon Skills system will be finished on time.

Make sure that you follow the provided style guide throughout all parts of the system.

Make sure that you provide appropriate validation and error messages throughout all parts of the system.

Make sure that all relevant buttons/links are working at the end of the session.

Make sure that you use appropriate naming conventions for all parts of the system as needed.

DELIVERABLES

5.1 CLIENT INTERACTION TASK

During this session, you will be called to attend a short (5 minute) meeting with the client. You must act professionally throughout the meeting. The client (marking team) will have a copy of your work from previous sessions.

MEETING AGENDA

The meeting agenda describes what will be covered in the "client interaction" meeting.

Refer to marathon-skills-2015-meeting-agenda.pdf

MEETING CHECKLIST

Follow the meeting checklist to make sure that you act professionally throughout the meeting.

Refer to marathon-skills-2015-meeting-checklist.pdf



5.2 DATABASE DESIGN TASK

You have been asked to design a database for a system that will be developed for Marathon Skills 2016. You will not need to develop the system, you just need to supply an entity relationship diagram (ERD - database diagram) and a data dictionary.

Please use the database diagram and data dictionary that you have been supplied for the Marathon Skills 2015 system as a template/guide for your own submissions (you must provide the same amount of detail).

Refer to the specification of the proposed system: marathon-skills-2016-database-design.pdf

5.3 CREATE "23. MANAGE A RUNNER"

Create the window as outlined in "23. Manage a runner" in the wireframe.

This window displays further details about the runner selected in the "22. Runner management" window.

All the runner's personal information should be displayed as well as information relevant for the current marathon.

The runner's registration status will be shown in a clear visual way using tick/cross icons. A tick icon will be shown next to the status currently assigned to the runner and to any statuses higher up the list. A cross icon will be shown next to any statuses lower down the list. This is the correct order of statuses:

1. Registered
2. Payment Confirmed
3. 3Race Kit Sent
4. Race Attended

When the "Preview certificate" button is clicked, the "25. Certificate preview" window will be loaded.

When the "Edit profile" button is clicked, the "24. Edit runner profile" form will be loaded to allow a coordinator to edit the runner's information.

5.4 CREATE "24. EDIT RUNNER PROFILE"

Create the window as outlined in "24. Edit runner profile" in the wireframe.

This form allows a coordinator to edit a runner's profile. They can change a runner's personal details, change their registration status and change their password. The email address cannot be changed because it is used as a username for the system.

- All fields are required.
- The list of genders and list of countries are generated from the database.
- The password must meet the following requirements:
 - At least 6 characters
 - At least 1 uppercase letter
 - At least 1 number/digit
 - At least 1 of the following symbols: !@#\$%^
- The value of "Password Again" must match the value of "Password".
- "Date of Birth" must be a valid date and the runner must be at least 10 years old at the time of profile change.



5.5 CREATE "25. CERTIFICATE PREVIEW"

Create the window as outlined in "25. Certificate preview" in the wireframe.

This window allows coordinators to see a preview of any certificate that the runner received in the last marathon, e.g. Marathon Skills 2014.

The coordinator will select an event and a preview of the certificate that was awarded to the runner will be displayed. If the runner was not eligible for a certificate (e.g. they do not have a race time recorded or they were not registered in the event), an appropriate message should be shown.

The Marathon Skills 2014 logo must be prominently displayed: marathon-skills-2014-logo.png

The certificate seal must be displayed: marathon-skills-2014-certificate-seal.png

All information must be calculated and shown as in the wireframe, including:

- Runner name
- Event name
- Race time in hours, minutes and seconds
- Rank/position (overall rank, not within their gender/age category)
- Marathon name & location
- Sponsorship amount raised

Charity name

5.6 CREATE "21. SPONSORSHIP OVERVIEW"

Create the window as outlined in "21. Sponsorship overview" in the wireframe.

This page allows a coordinator to see all of the sponsorship that has been received for the current marathon.

Sponsorship is grouped by the charity that will receive the money.

Some summary statistics will also be shown:

- Charities: The total number of charities.
- Total Sponsorship: The total amount of sponsorship/donations received for all charities.

The list should show the logo, name and total amount of sponsorship received for every charity.

The list can be sorted by any field displayed in the list.