

TEST PROJECT IT SOFTWARE SOLUTIONS FOR BUSINESS

WSC2015_TP09_S2_actual

Written by:

WorldSkills International External Writer





CONTENTS

Session 2 of this Test Project consists of the following documentation/files:

1. WSC2015_TP09_S2_EN.pdf (Session 2 instructions)
2. marathon-skills-2015-testing-data-s2.pdf (Testing data for session 2)

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 constructing the login functionality of the application, allowing runners to register for marathon events, and allowing runners to edit their profiles once they have logged into the system.

Testing data has been provided to help you test the system: marathon-skills-2015-testing-data-s2.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.

Please note – you are building the entire system progressively so some functions will be added in later sessions.



DELIVERABLES

2.1 CREATE "3. LOGIN SCREEN"

Create the login form as outlined in "3. Login screen" in the wireframe.

There will be three different types of users of this system – Runners, Coordinators and the Administrator

Users will log in to the system using this form. They will enter their email address and password (stored in the database in plaintext), Check their details checked against the database, showing appropriate error messages if login is unsuccessful.

After logging in successfully, redirect the user depending on their role::

- **Runner:** "9. Runner menu"
- **Coordinator:** "19. Coordinator menu"
- **Administrator:** "20. Administrator menu"

When a user clicks the "Logout" button on any window/form of the application they should be logged out of the system and returned to "1. Main screen".

2.2 CREATE "9. RUNNER MENU"

Create the menu as outlined in "9. Runner menu" in the wireframe.

If a user logs in as a Runner they will be redirected to this menu.

Please note – you will be building this system progressively and some functions may be added in later sessions

2.3 CREATE "19. COORDINATOR MENU"

Create the menu as outlined in "19. Coordinator menu" in the wireframe.

This is the menu that a user will be redirected to once they have logged in if they are in the Coordinator role.

Please note – you will be building this system progressively and some functions may be added in later sessions

2.4 CREATE "20. ADMINISTRATOR MENU"

Create the menu as outlined in "20. Administrator menu" in the wireframe.

This is the menu that a user will be redirected to once they have logged in if they are in the Administrator role.

Please note – you will be building this system progressively and some functions may be added in later sessions

2.5 CREATE CONTACT INFORMATION POP-UP IN "9. RUNNER MENU"

Create a pop-up window to show the contact information of the Marathon Skills 2015 coordinators to the runners. The pop-up will show when the "Contact information" button is clicked as outlined in "9. Runner menu" in the wireframe.



2.6 CREATE "2. CHECK IF RUNNER HAS COMPETED BEFORE"

Create the menu as outlined in "2. Check if runner has competed before" in the wireframe.

This menu gives the runner the choice to register as a new runner, or to indicate they have registered as a runner on a previous occasion

2.7 CREATE "4. RUNNER REGISTRATION"

Create the form as outlined in "4. Runner registration" in the wireframe.


When a runner enters their details in this form they will be creating a user account with the role of "Runner". They will then be able to log into the system.

- All fields are required.
- The list of genders and list of countries are generated from the database.
- Email address must be in a valid format, e.g. x@x.x
- 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 registration.

2.8 CREATE "5. REGISTER FOR AN EVENT"

Create the form as outlined in "5. Register for an event" in the wireframe.

This form allows a runner that has logged in to register for an event (or multiple events) in Marathon Skills 2015. A runner will choose the events they want to compete in, choose their race kit (RFID bracelet + runner's bib + optional extras) and choose the charity they want to support. A total cost is calculated.

- At least 1 event must be chosen.
- "Target to raise" must be a valid positive integer.
- Clicking the information icon () next to popup/modal window.
- "Registration cost" is calculated based on the cost of any events selected + cost of the race kit option

2.9 CREATE "8. RUNNER REGISTRATION CONFIRMATION"

Create the window as outlined in "8. Runner registration confirmation" in the wireframe.

This page will be shown to a runner once they have successfully registered for any events.



2.10 CREATE "16. EDIT YOUR PROFILE"

Create the window as outlined in "16. Edit your profile" in the wireframe.

This form allows a runner to edit their profile. They can change their personal details and change their password. A runner cannot change their email address because it is used as their username for the system.

Description.

- 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 they are wanting to change their profile