# Skills Assessment

## Criteria

### Unit code, name and release number

ICTWEB502 Create a dynamic web pages  
ICTWEB503 Create web-based programs   
ICTPRG413 Use a library or pre-existing components   
ICTPRG505 Build advanced user interface   
ICTDBS504 Integrate database with a website   
ICTWEB501 Build a dynamic website   
ICTPRG506 Design application architecture   
ICTICT406 Build a graphical user interface

### Qualification/Course code, name and release number

ICT50615 – Web of Software Development

## Student details

### Student number

378045304

### Student name

Ibrahim Elwadia

## Assessment Declaration

* This assessment is my original work and no part of it has been copied from any other source except where due acknowledgement is made.
* No part of this assessment has been written for me by any other person except where such collaboration has been authorised by the assessor concerned.
* I understand that plagiarism is the presentation of the work, idea or creation of another person as though it is your own. Plagiarism occurs when the origin of the material used is not appropriately cited. No part of this assessment is plagiarised.

### Student signature and Date

Ibrahim Elwadia 4-12-2019

Version: *1.0*

Date created: *3 July 2018*

Date modified: *04/12/2019*

For queries, please contact:

*SkillsPoint*

*Location*

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RTO Provider Number 90003 | CRICOS Provider Code: 00591E

This assessment can be found in the: [Learning Bank](https://share.tafensw.edu.au/share/access/searching.do?doc=%3Cxml%2F%3E&in=P7ac4831b-430a-4b8d-8b56-f7b32ed5b9cf&q=&type=standard&sort=rank&dr=AFTER)

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## Assessment instructions

Table 1 Assessment instructions

| Assessment details | Instructions |
| --- | --- |
| **Assessment overview** | The objective of this assessment is to assess your skills as would be  in the following areas??   * Requirement Analysis * Design & Development * Front Development * Backend Development * Testing, Change and Impact Analysis |
| **Assessment Event number** | 3 of 3  This is the project assessment. There are still two theory exams to complete this cluster. |
| **Instructions for this assessment** | This is a skill-based assessment and will be assessing you on your ability to demonstrate skills required in the unit. |
| **Submission instructions** | On completion of this assessment, you are required to upload it or hand it to your assessor for marking.  Ensure you have written **your name** at the bottom of each page of this assessment.  It is important that you keep a copy of all electronic and hardcopy assessments submitted to TAFE and complete the assessment declaration when submitting the assessment. |
| **What do I need to do to achieve a satisfactory result?** | To successfully complete this assessment the student will be available at the arranged time to complete all the assessment criteria as outlined in the assessment instructions. |
| **What do I need to provide?** | Computer, Printer, Draw.io, MS Office, Access to Moodle Resources/Workbook, NetBeans, MySQL, Apache and Code Editors. |
| **Due date/time allowed/venue** | **Week 19 (24/11/2019) @11:55PM** |
| **Assessment feedback, review or appeals** | Appeals are addressed in accordance with Every Students Guide to Assessment. |

## Specific task instructions

The instructions and the criteria in the tasks and activities below will be used by the assessor to determine whether the tasks and activities have been satisfactorily completed. Use these instructions and criteria to ensure you demonstrate the required skills and knowledge.

If this assessment requires you to record information, your assessor will provide you with an appropriate documents/templates.

**Assessment Overview**

**Your Job Description:**

**Begin by reading the TixGurus case study.**

**Analysis**

**Develop an application for TixGurus Ticket Sales System and the Event Hosting System. Begin by brain storming. Once you have completed brain storming, start working on completing every part of the Requirement\_Project\_Template.docx and save it under a new name title SRSTixGurus.docx once completed begin developing the system using PHP. Do not begin coding until you have a clear road map and the best road map is the SRS document.**

**The SRS document must clearly discuss and define using diagrams, UML, literature and any other means of communication. It is important you SRS address at minimum the following:**

1. **Technical Requirements**
2. **Functional and Non-Functional Requirements**
3. **Business Requirements**
4. **User Scenarios and Persona**
5. **Use case Modelling**
6. **Domain Modelling (Classes)**
7. **ERD (Database)**
8. **System Architecture**
9. **Conceptual and Concrete UI Design**
10. **Storyboards generated from the User Scenarios**
11. **Prototype UI design for both, front and back end system.**

**Development Technology Requirements**

1. **Front end must be coded using HTML 5, CSS3.**
2. **You are permitted to use JavaScript and jQuery for dynamic content of the front-end**
3. **NO client-side technology is permitted for back-end tasks, such as accessing Database etc.**
4. **Authentication and authorization must be implemented in PHP only**
5. **Session/Cookies must be implemented using PHP only**
6. **System must indicate on every page the currently log in user if any.**
7. **System back-end must not be accessible to guest or members only to administrators.**
8. **System must be capable of exporting reports into PDF using a third-party library such as FPDF library from** [fpdf.org](http://www.fpdf.org/) (Your system needs to only be able to export one report) The rest of the reports are not required at this stage as TixGurus have not paid to cover the cost of development.
9. **System must use PDO**
10. **System must be developed using a minimum of 3 layers (Model Layer, Business Layer and Client Layer)**
11. **Code must be clearly documented without any spelling or grammatical errors.**
12. **All data must be stored in a DBMS**
13. **System must meet TixGurus needs and be operational by the due date.**
14. **Is it recommended (Optional) a repository on Git be setup to easily manage and update file revisions. Here is a link to learn more.**<https://guides.github.com/activities/hello-world/>
15. Complete the document **Test-Case-Format-with-Example.docx** while conducting testing of your system. It is important you do not submit the provided samples from the document. Make sure you remove them and only submit your test case results. Rename the file to **TestTixGurus.docx**
16. **Develop a basic user manual on how to book a ticket , use the dashboard and how an administrator will add, edit, delete and view events, and produce reports (Optional implement a feature that allows TixGurus management the ability to export reports out of the system to a PDF).**
17. **An important feature of this assessment is learner input. I would like every learner to have a say in how they wish to be assessed. After reading this document arrange a meeting with your teacher and discuss how you would like to be assessment.**

**Note!**

**This feature is not about cutting down on the level, quantity and quality of work or changing the case study. You will still be required to carry out all the activities to complete the system development for TixGurus. This feature is about what your teacher can do to help you develop your system analysis and development skills and look at ways that can be assessed using this assessment. There is absolutely no use developing something that does not help you learn by cutting and pasting code, using other developers work, etc... at the same time there is nothing wrong with learning from other developers, only on the condition that you benefit from that learning and you are able to apply that skill to your project. Therefore, plagiarism will be treated very seriously, any learner found to have ripped off code, resources or other work, whether in class, online or from any other means, will result in automatic dismal.**

## Deliverable

1. A Zip file containing the web system for TixGurus including all resources, database file, image etc you have made use of in the project named **firstNameLastName.zip**.
2. TestPlanTixGurus.pdf (do not zip)
3. SRSTixGurus.pdf (do not zip)
4. Web Diploma Major Project.docx completed with your learner number, signature and dated (do not zip)

## Assessment Feedback

*NOTE: This section* ***must*** *have the assessor signature and student signature to complete the feedback.*

### Assessment outcome

Satisfactory

Unsatisfactory

### Assessor Feedback

Was the assessment event successfully completed?

If no, was the resubmission/re-assessment successfully completed?

Was reasonable adjustment in place for this assessment event?  
*If yes, ensure it is detailed on the assessment document.*

Comments:

### Assessor name, signature and date:

### Student acknowledgement of assessment outcome

Would you like to provide feedback about this assessment?

### Student name, signature and date

Ibrahim Elwadia *Ibrahim* 4-12-2019

***NOTE: Make sure you have written your name at the bottom of each page of your submission before attaching the cover sheet and submitting to your assessor for marking.***