

**Discipline of Information Technology, Media and Communication College of Art, Business, Law and Social Sciences (ABLSS)**

**ICT365 ASSIGNMENT 1**

**CHECK LIST**

**Surname (Family Name):** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Given Names:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Number:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Tutor’s Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Assignment Due Date: \_\_\_\_\_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date Submitted: \_\_\_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Your assignment should meet the following requirements. Please confirm this (by ticking boxes) before submitting your assignment.**

* All details above are complete.
* I acknowledge and agree that the assessor of this assignment may, for the purpose of assessing this assignment, reproduce this assignment and provide a copy to another academic staff member.
* I am aware of Murdoch University’s assessment policy 8.1.8 that states that “Unit Coordinators have the right to submit any assignment to the University’s plagiarism detection software if they suspect plagiarism.”
* I have read and understood the requirements for submission of assignments specified in the Unit Information and Learning Guide.
* I have read and understood the requirements for documenting and submitting this assignment that are specified in the assignment question sheet of this assignment.
* You understand that the zip file must be submitted to ICT365 Unit LMS.
* You have kept a copy of this assignment, including the zip file.

**Detailed Description**

*XML Processing & Deserialization*

*Marker Creation*

*Form Events*

*Views & Inputs*

*Validation*

*File Processing*

*XML Serialization*

*[Advanced Features] Advanced GUI Metaphors*

*[Advanced Features] Design Pattern*

*[Advanced Features] Refactoring*

*[Advanced Features] Unit Testing*

**Self-Diagnosis, Evaluation, & Declaration**

**Features that are fully implemented**

* Serialize XML element into the application
* Map XML Element into appropriate Event sub-classes
* Display appropriate Event markers on GMap Canvas
* Retrieve nearest Event details and display on new form
* Display Event details on marker clicked
* Render different Event details depends on Event types
* Display photo and video files
* Add new Event and display required field according to Event types
* Save files (E.g., photo, videos, gpx) into project directory
* Incorporated design pattern (Factory) into the application
* Unit testing of base and sub-classes, Factory class, and Form class

**Features that are not fully working**

* Unable to load .gpx file and display Tracklog event into the GMap Canvas
* Possible causes
* Unable to serialize “end-time” XML element into the application using deserialization
* Possible causes

**Features that are not implemented**

* Unable to append new XML Event element into the lifelog-events.xml file within SOAP-BODY
* Possible causes:

**Brief Description**

**Test Evidences**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Test Description** | **Expected Result** | **Actual Result** | **Outcome** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |

**Appendices**

**Source Code Listings**