Subject:	**Construction Information Technology**
Course:	**Construction H&S**
Session:	**Spring 2020**
Lecturer:	**Paul Vesey** BEng, MIE, HDip

Assignment 2 (25%) - Autodesk BIM360

Issue Date:	As stated on Moodle
Submission Date:	As stated on Moodle

Assignment Outline

In this assignment you will create a BIM360 Field Survey to capture a workplace audit. The questions that are to be used are taken from https://safetyculture.com/, iAudior example survey. Autodesk BIM360, which is available at https://docs.b360.autodesk.com/.

Background Information

In a previous assignment, you created a digital survey using Microsoft Forms. In this assignment you will also create a survey, but this time the survey will be integrated into Autodesk BIM360 and used in assocuation with a Building Information Model.

Usability

Your final survey is intended to be deployed on site, for usage checks by drivers. As such you should consider the following in the design and implementation of your survey:

- Questions should be short and easy to read

- Responses should be clear and unambiguous

- Where failures are detected by the operator, additional information should be captured

Figure 1: Dumper Prestart Checks

Functionality

The following functionality must be included in your deployment:

- Driver Name and Employee Number
- Dumper Registration
- All items as per the HSA document
- Appropriate Branching to capture comments on failed checks
- A branch specifically implemented for 'Use on Public Roads'
- A specific multi line input field for group testing feedback.

Testing

Testing of your deployment will be done in two stages

1. Author Testing - You should test your deployment rigorously before proceeding to the next stage

2. Group Testing - Your Deployment will be tested by all other members of the class, and you will be expected to test all other deployments.

Group Testing Feedback

Group testing will be implemented to improve your deployment prior to final submission. All feedback is to be:

- Specific, meaningful & constructive

- Impersonal

- Process Orientated

Submission

This is a relatively complex submission, that will comprise many parts. The parts are as follows:

1. BIM360 Template (hosted on 'Health & Safety Project' on BIM360)

2. 5 Checklists completed by other students using the BIM360 Smartphone App

3. 1000 word report on the creation and deployment of the BIM360 survey, including data analysis, app screenshots, and other items as may be required. This document is to be a fully detailed report submitted in .pdf format only.

Marking Scheme

Element	Proportion
BIM360 Field Template	60%
Survey Deployments (x5)	20%
Final Report	20%