

**TUS**

Technological University of the Shannon:
Midlands Midwest
Ollscoil Teicneolaíochta na Sionainne:
Lár Tíre Iarthar Láir

Subject:	Health & Safety IT
Course:	BSc in Construction Health & Safety
Session:	Autumn 2021
Lecturer:	Paul Vesey BEng, MIE, HDip
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Assignment 2 (33%) - Autodesk Construction Cloud

Issue Date:	17 th November 2021
Submission Date:	17 th December 2021

Assignment Outline

In this assignment you will create an Autodesk Construction Cloud Form to capture a workplace audit. The questions that are to be used are taken from <https://safetyculture.com/>, iAuditor example survey, included in the asset pack for this assignment. Autodesk Construction Cloud is available at <https://acc.autodesk.com/>.

Background Information

In this assignment you will create a survey using Autodesk Construction Cloud (ACC). This survey will be accessible through the Plangrid app and directly in ACC. Plangrid Build is available for android from https://play.google.com/store/apps/details?id=com.plangrid.android&hl=en_IE&gl=US and for iOS at <https://apps.apple.com/us/app/plangrid-build-field-app/id498795789>

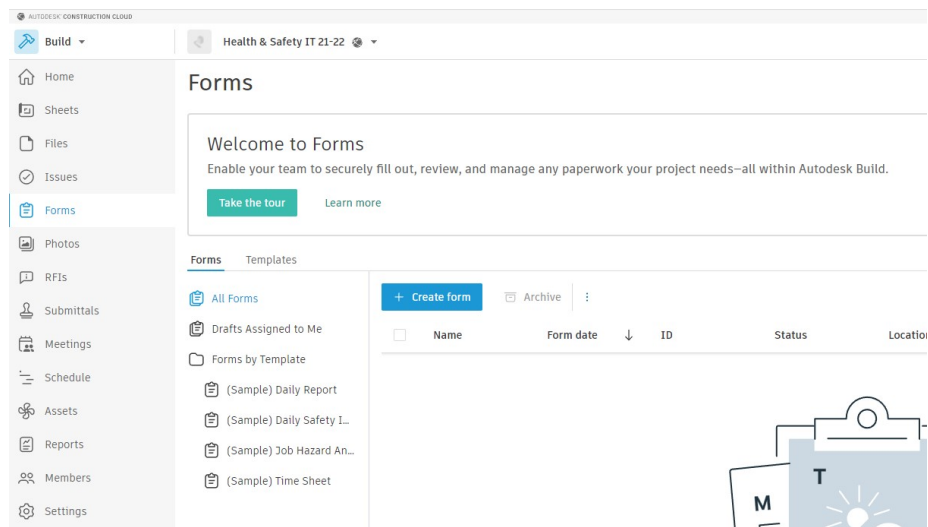


Figure 1: BIM360 Checklist Template

Layout & Functionality

The questions for the survey have been provided to you in the asset pack. You are to implement as shown. When you are testing the functionality of the survey on a smartphone should ensure that you have at least the following:

- Photograph attached
- Annotated Photograph attached (if possible, Smartphone App Only)
- Voice Recognition used - (if possible, Smartphone App Only)
- Issue Created
- Note Created

Testing

You should ensure that your template is working as anticipated, including the functionality shown above.

Checklists (x5)

Group testing will not be implemented in this assignment. Instead, it will be necessary for you to test your survey yourself prior to issuing on the system. Each student is required to obtain 5 surveys from classmates as part of this assignment. Learners will have to create their own copies of the survey from the templates visible on the system under 'Forms by Template'

Submission

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

1. Autodesk Construction Cloud Template (hosted on 'Health & Safety IT 21-22')
2. 5 Checklists completed by other students using the Plangrid Smartphone App or directly through the Web Application
3. 1000 word report on the creation and deployment of the survey, including data analysis, app screenshots, and other items as may be required. This document is to be a fully detailed report submitted in a format of your choice, such as Word, Excel and/or pdf format.

Marking Scheme

Element	Proportion
Autodesk Construction Cloud Template	60%
Survey Deployments (x5)	20%
Final Report	20%