SWEN325 – Software Development for Mobile Platforms

SWEN325 – Assignment 1

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# Introduction and Task Description

## Written Report (To Be Done Individually) (Worth 60%)

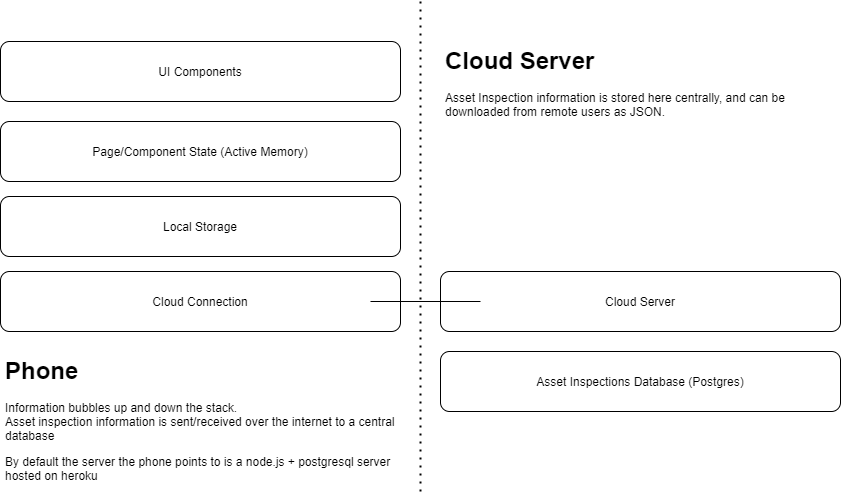
The reports are assessed individually and therefore if you are in a group of two or three people, you will need to write it yourself and present a different usability test plan from your other group members.

### What to submit.

Submit a file called 325-a1-report-username.pdf that contains:

* Description of the overall architecture of your application. 2 Pages of A4, Worth 10% out of 60%
* Include a description of how you organised your source code to match your architecture.
* Description of how you utilised at least 1 major existing external component (e.g. Firebase but hopefully much more interesting one than that) to provide either persistent data storage or other major functionality with a description of how it was integrated into your App architecture. 1+ Page of A4, Worth 10% out of 60%
* Reflective report on Ionic as a framework for App design including its advantages and disadvantages. 2 Pages of A4, Worth 10% out of 60%
* Usability test plan 3+ Pages of A4, Worth 30% out of 60% that includes:
  + Goals for the usability test
  + Format of the usability test
  + Target users (and how many)
  + Tasks that users have to perform with the App (including screen shots)
* Finally, include an appendix with as many pages as there are separate screens in your app, with each page containing a screenshot of the screen and a one paragraph description of its design.

# Application Architecture



**Description of the overall architecture of your application. 2 Pages of A4, Worth 10% out of 60%**

## Overview

The general application architecture splits the application into 6 major sections, four on the device and two located in the cloud.

## UI Components

### Containers

The containers sit within a single page, they are turned on and off based on the URL.

Containers displayed within the central page are

* Home
* NewAsset (New Asset)
* CurrentSession (Current Session)
* Upload(Upload to the Cloud)
* PreviousSessions(Previous Sessions)
* Settings (Settings)