**IMD GLOBAL SERVICES TEST**

This document is for candidates whose profiles are considered as interesting candidates and high-end developers quality. Our aim is to create a development based in Bandung with very high quality of development standard. The test is designed to pass the requirement of each of the candidates.

There are two sections of purposes in this document:

1. Development standard that candidates need to follow
2. The test case that candidates has to perform in order to be able to go into the next round phone interview

**Test standard guideline:**

1. Follow below guidelines attached



1. Separate and handle class for:
   1. Network
   2. Controller
   3. View
   4. Model
   5. Other functions
2. Never hardcode anything
3. Make sure all class and methods are being used, never let unused method and class happen
4. Build the application in below sequence:
   1. Build unit test -> This is very important to high-end customers and requirement
   2. Build error handling -> This is very important to high-end customers and requirement
   3. Build features
5. Code needs to be regularly commited in GitHub
6. Use libraries that make sense for the test you want to develop
7. ***Before you develop any features****, make sure you have developed the unit testing and error handling prior to that*

**Test Section**

**Android Engineer**

**Background**

In IMD Global Services, we are often required to build Android apps backed by internal data APIs to communicate critical and relevant information to our stakeholders and consumers.

**Your Task**

Build an Android app to display the PSI index of (East, West, North, South and Central) Singapore.

Please use the data from https://data.gov.sg/dataset/psi and display it on a Map. We will evaluate this exercise based on:

* Completion of the application
* User Interface
* Code Structure • Tests  You may use JUnit or any other Testing framework of your choice to write the unit tests.  Constraints Time  7 days from assignment. Please feel free to submit your work any time, before the deadline.

  

Please timebox yourself to a maximum of 8 hours for this activity.

**Technology**

You are required to use Java and native Android APIs.

**Testing**

Please approach this exercise as you would in your day-to-day development workflow. If you write tests in your daily work, we would love to see them in this exercise too.

**Git and Commit History**

Sync your app to GitHub and allow access to subhransu and ivanfoong. Please maintain a descriptive and clear Git commit history as it would allow us to better understand your thought process.

Follow Up

In the event that you are selected for the next round of interview (onsite chat), please be expected to discuss your work further with us during the interview.

Looking forward to seeing your code!