

# IM2073 Introduction to Design and Project

## Mobile Programming Assessment Instructions

Before you turn up for assessment in Session A4

**Complete the relevant sections** of the Mobile Program Evaluation Form from the IM2073 NTULearn main course-site, under the *Content* → *Module 3 (Week 9 to 12): Mobile Android Programming*, **print out, sign**, and **pass** to your lecturer before your on-site assessment starts.

During your assessment in Session A4

Prepare the following for on-site assessment. Make sure you have started up your MySQL and Tomcat servers

1. Open up Android Studio and run your Clicker Mobile App
2. Open a Command Prompt Window or Terminal
  - a. Login using mysql client (i.e. **mysql -u myuser -p**)
  - b. Go to the instance that stores your tables for your Clicker Web App (i.e. **use <your\_database\_instance>**)
  - c. Show all rows of all tables pertaining to your Clicker Web App using select statements
3. Open a browser to access the first page of your Clicker Web App
4. Open up all web program source codes using your editor

After your assessment in Session A4 is completed

Prepare the following for submission

1. Backup your Android App as shown below:
  - a. In Android Studio, select File → Export → Export to Zip File
  - b. Save the zip file to any backup directory but remember where you save to. Set the File name as **<App Name\_Team Name>**, where *App Name* is your Android app name and *Team Name* is your team name given to your lecturer (e.g. Clicker\_Hercules.zip, if the Android app name is Clicker and your team name is Hercules).

- c. Click OK and a zip file called <App Name\_Team Name>.zip will be created in your backup directory.
2. Backup your Clicker Web App database as shown below, where **database\_name** is your actual database instance name (e.g. clicker). A file **backup\_database\_name.sql** will be generated in your **myWebProject** directory.

For Windows

-- Start a NEW "cmd" and type the commands as shown below

```
cd \myWebProject\mysql\bin
```

```
mysqldump -u myuser -p --databases database_name >
"c:\myWebProject\backup_database_name.sql"
```

For macOS

-- Start a NEW "terminal" and type the commands as shown below

```
cd /usr/local/mysql/bin
```

```
./mysqldump -u myuser -p --databases database_name >
~/myWebProject/backup_database_name.sql
```

// ~ denotes the home directory of the current login user

- a. <App Name\_Team Name>.zip
  - b. **backup\_database\_name.sql**
  - c. Your Clicker Web App folder under **myWebProject\tomcat\webapps** that contain your Clicker Web App source codes like html and java files.
  - d. Your completed and signed Web Program Evaluation Form
3. Zip the following into a SINGLE zip (NOT rar) file called <Class Number\_Team Name>.zip, where *Class Number* is your class number EJ0x where x = 1 to 4 and *Team Name* is your team name given to your lecturer (e.g. EJ01\_Hercules.zip, if you and your team-mate belong to class EJ01 and your team name is Hercules):
4. Upload the zip file <Class Number\_Team Name>.zip from Point 3 above to your IM2073 NTULearn class-site EJ0x, where x = 1 to 4 is your class number, under *Assignments* → *Module 3 Mobile Android Application Deliverables*. ONLY 1 member needs to upload on behalf of the team. Submit by the end of Friday (2359 HRS) of your A4 lesson week.