# Mobile Applications Development

## Higher Diploma in Science in Computer Science

Produced
by

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# Assignment 2

# Dates

- Final Due Date - Wednesday, 7th January

- Demo - Friday 8th January

- Demo Schedule to be published on Moodle

- Approx 20 minutes

# Application Elements

- For Maximum grades : three applications required:

  - (1) A Play Web Application

  - (2) A Java Unit Test Application testing (1)

  - (3) An Android Application, interacting with (1)
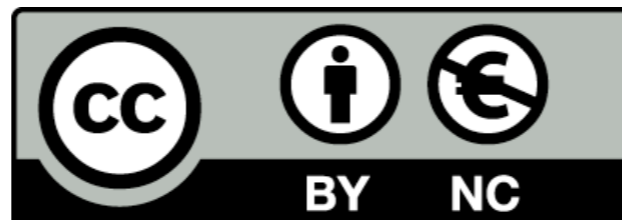
# Application Domain - Your Choice!

- MyTweet

  or

- New Application Domain

# Assignment Rubric for Tweet Service/App

| Grade Range | MyTweetService (play app) [40%] | MyTweetServiceTest (Junit app) [10%] | MyTweet V2 (android app) [50%] |
|---|---|---|---|
| Baseline | Single Public Timeline of tweets (no users) Simple API, Simple Web UI | Simple tests | Timeline lists tweets from service Tweets posted to single public timeline Refresh mechanism via manual update button (pull all tweets) |
| Good | User Model Introduced, related to Tweets (OneToMany) Timeline of Individual Users supported (tweets posted by a user) Public timeline is list of latest tweets from all users | Basic Tests | Authenticate to MyTweetService. View Public Timeline OR timeline for selected user. Refresh via manual update button (pull X most recent tweets) |
| Excellent | Following Model introduced (inspired by Spacebook Friendship class) Users timeline now contains tweets from users she is following. Web UI Supports following | Comprehensive Tests | Ability to follow other users Timeline shows tweets from those users Refresh via manual update button (pull X most recent tweets) |
| Outstanding | Location of Tweets Visible on simple google map | | Actual location of user sent with tweet. Location shown on device Tweets pulled automatically (via Android Timer) |

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