

# Mobile Applications Development

Higher Diploma in Science in Computer Science

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Produced  
by

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# Assignment 2

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# Dates

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- Final Due Date - Wednesday, 7th January
- Demo - Friday 8th January
- Demo Schedule to be published on Moodle
- Approx 20 minutes

# Application Elements

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- 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!

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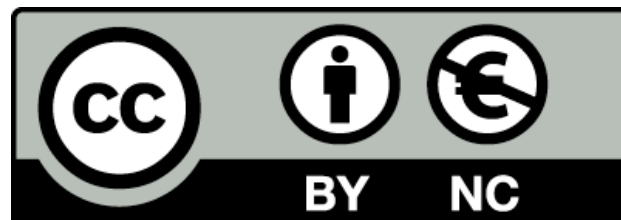
- MyTweet

or

- New Application Domain

# Assignment Rubric for Donation 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 Facebook 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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