

ICTSkills Mobile App Development MyTweet Client Assignment Feedback

Waterford Institute of Technology

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Project Specification

What was requested

- An **apk** file
 - Debug version
- A link to a public repository
 - GitHub or Bitbucket



Project Specification

What was delivered

Most adhered to specification. However

...

- Some provided multiple repo links
- Code base as a compressed file in addition

This caused confusion and delay

- And almost a serious grading accident



Project Specification

What was delivered - lessons learned

Trust your repository:

- Before submission conduct test.
- Put yourself in shoes of person grading.
 - Create a scratch directory.
 - Clone your final code base.
 - Test the code - build and deploy to device or emulator.
 - Check commit history.
 - Apply suitable tags so that image submitted always recoverable.
 - Now you are ready to upload.



Packages

Naming convention

Package purpose to avoid name clashes

How to correctly design a package name:

- use all lower case
- period separated (no hyphens)
- reverse internet domain name
- devise inter-company policy to avoid clashes
- thepresident@wit.ie suggests
- **ie.wit.thepresident** as a package name
- not *wit.thepresident.ie* or such



Naming Conventions

Classes

Some submissions used class names beginning with lower case. Class names should be:

- nouns
- begin with capital letter
- keep simple and descriptive
- aim to use whole words and avoid acronyms
- see reference below for more detailed treatment of topic generally

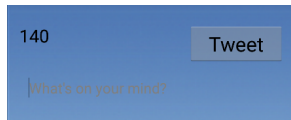
```
29 public class mytweetActivity extends FragmentActivity
30 {
31     public void onCreate(Bundle savedInstanceState)
32     {
```

User Experience

Choice of font and background colours

Consider this image:

- any observations?

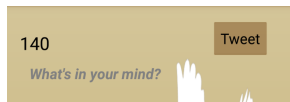


User Experience

Choice of font and background colours

Another design:

- how would you compare to previous?

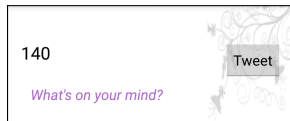


User Experience

Choice of font and background colours

And a final one to consider:

- easy on the eye?

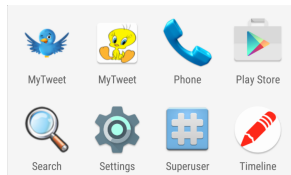


Branding

Choice of application name and logo

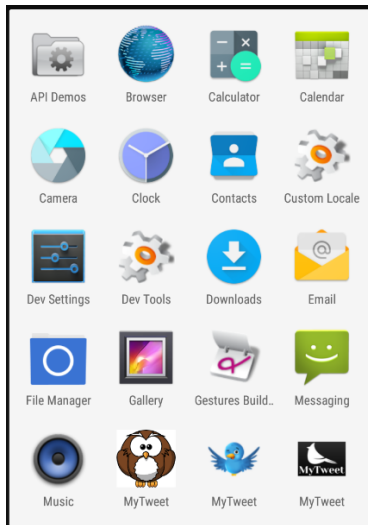
How many tweet apps here?

- which is most memorable?
- best catches the eye?



Branding

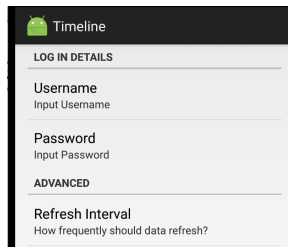
Choice of application name and logo



Navigation

Settings Activity

Happy with this?

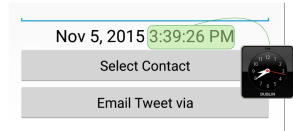


The screenshot shows an Android application interface for a 'Timeline' feature. At the top is a dark header bar with a green Android robot icon and the title 'Timeline'. Below the header, the screen is divided into sections. The first section is titled 'LOG IN DETAILS' and contains two input fields: 'Username' with the placeholder text 'Input Username', and 'Password' with the placeholder text 'Input Password'. The second section is titled 'ADVANCED' and contains one input field: 'Refresh Interval' with the placeholder text 'How frequently should data refresh?'. Each section is separated by a horizontal line.

The Time

Greenwich Mean Time Rules The Waves

Some of us are long distance commuters



MyTweet Specification

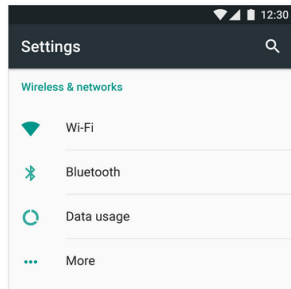
Could do with a review

Settings should:

- Manage user's preferences
- Accessed infrequently
- ...

Settings should not:

- Contain info such as version number
- Manage user accounts
- ...



Areas for Improvement

Miscellaneous Observations

- Tweet serialization
- Setting serialization
- Allowing empty tweet enter timeline
- Allowing deletion of empty tweets
- Allowing emailing of empty tweets
- Email address requiring manual attention
- Necessary to delete last character - edge condition
- Auto switch to timeline on pressing tweet button

References

Naming a Package

<https://docs.oracle.com/javase/tutorial/java/package/namingpkgs.html/>

[Accessed 2015-11-05]

Naming Conventions: Classes

<http://www.oracle.com/technetwork/java/codeconventions-135099.html>

[Accessed 2015-11-05]

Settings Design Guidelines

<https://www.google.com/design/spec/patterns/settings.html#>

[Accessed 2015-11-05]