

## Android CP310 - Homework 311

### Description

Create an application that uses and provides article data.

### Use Cases

1. User starts the application and a list of article titles are presented from the data set provided.
2. If a User selects an article, an activity that displays the article content is displayed.
3. When the user shakes the device, the list is refreshed and a visible indicator showing the refresh.

### Requirements

- The application must be an Android launcher application using API level 10 or higher
- The application must use a content provider to expose its data publicly. It should be of the form: **content://{your\_package\_name}/articles**
- The application must provide the following data for each item from the content provider:
  - Article
    - Content
    - Icon
    - Title
    - Date

(Not every column needs a value)

- Load your database with the provided XML data available on the course portal in the Files section
- When the User shakes the device, the content is reloaded from the provided XML data
- Name the application "Homework 311" and name your project "Homework 311 {YOUR\_UW\_NET\_ID}".

### Example Screens



## Points

There are a maximum of 50 points for this homework.

### Requirement Points (20 points)

- 0 points      You didn't try.
- 10 points     The application doesn't work – but you tried.
- 20 points     The application works and fulfills all the requirements.

### Feature Points (20 points)

- 10 points     The application stores the related information in a database.
- 10 points     The application exposes a content provider.

### Discretion Points (10 points)

- 0-5 points     Clean, consistent code (You may have applied a style formatter)
- 0-5 points     Useful documentation (From a few key inline notes all the way to JavaDoc quality documentation)

## Delivery

Turn in a URL to your Git Repository containing this assignment.

*See the course portal for full instructions on how to package and deliver your homework.*

## Versions

- 1      Initial version.
- 2      Updated requirement "Load your *database* with the provided XML data."
- 3      Updated Delivery instructions to use Git.