

# Mobile Development: Plan for week 09

[week 08](#) - [week 10](#)

## Goal for this week

- You should be able to use json and xml as transport format and convert from/to more convenient format internal for presentation in your app.

## Preparation before Tuesday 1<sup>th</sup> March

- Read about parsing XML and JSON
  - [XmlPullParser Android Developers](#)
  - [Android XML Parsing Tutorial](#)
  - [JSON - Android Developers](#)
  - [Android JSON Tutorial: Create and Parse JSON data](#)
- Eventual study a bit about json and xml format
  - json:
    - <http://www.json.org/>
    - <https://en.wikipedia.org/wiki/JSON>
  - xml:
    - [http://www.tutorialspoint.com/xml/xml\\_syntax.htm](http://www.tutorialspoint.com/xml/xml_syntax.htm)
    - [http://www.tutorialspoint.com/xml/xml\\_tree\\_structure.htm](http://www.tutorialspoint.com/xml/xml_tree_structure.htm)
    - [http://www.tutorialspoint.com/xml/xml\\_attributes.htm](http://www.tutorialspoint.com/xml/xml_attributes.htm)

## Teachers plan for Tuesday 1<sup>th</sup> March (9:00-12:00)

- Follow up on the weeks of study (adjusting plan for week together)
- Students presentation of their APPS work to now
- Working on app (see below)

## Preparation before Friday 4<sup>th</sup> March

- Make one or to apps that can retrieve list data from webservice in json/xml format and showing these in list and detail view
  - Ideas for small apps/exercises using asynchronous access.
    - External data to be used with web access
      - Webservices for retrieving data <http://webservicesdemo.datamatiker-skolen.dk/>  
Both with soap and REST call for JSON and XML
      - Webservices from Geo Fyn:
        - <http://dataportal.geofyn.dk>
        - Examples
        - Playground in Svendborg:  
[http://geofyn.mapcentia.com/api/v1/sql/geofyn?q=select%20\\*%20from%20svendborg.l](http://geofyn.mapcentia.com/api/v1/sql/geofyn?q=select%20*%20from%20svendborg.l)  
[egepladser](http://geofyn.mapcentia.com/api/v1/sql/geofyn?q=select%20*%20from%20svendborg.l)
        - Parks in Svendborg:  
[http://geofyn.mapcentia.com/api/v1/sql/geofyn?q=select%20\\*%20from%20svendborg.parker](http://geofyn.mapcentia.com/api/v1/sql/geofyn?q=select%20*%20from%20svendborg.parker)
        - Explore more from Geo Fyn in slides from presentation 23th February  
- [20160223 Erhvervsakademiet Lillebælt.pptx](#)

- Make a RSS reader to get news from:
  - <http://dm-mobile.blogspot.dk/>
  - <https://www.sde.dk/SDE/site.aspx?p=793>
  - <http://www.dr.dk/Nyheder/Service/rss.htm>
- Explore more from Geo Fyn

## Teachers plan for Friday 4<sup>th</sup> March – 8:30-10:00

- Follow up on the weeks of study (adjusting plan for week together)

## More links extending to the weekly content

- From TheNewBoston about XML and JSON
  - [150 - Introduction to JSON parsing](#)
  - [151 - JSONArrays and JSONObject](#)
  - [152 - Appending with StringBuilder](#)
  - [153 - Reading JSON information](#)
  - [154 - Setting up XML Parsing Project](#)
  - [155 - StringBuilder and XML Parsing Framework](#)
  - [156 - Setting up a parsed XML data collection class](#)
  - [157 - SAXParserFactory and XMLReader](#)
  - [158 - Start Element method](#)
  - [159 - Finishing XML parser](#)