# Mobile Development: Plan for week 14 [week 13](file:///D:\_2017F_Mobile_Spec\plans\M2017F_plan_Week13.pdf) - [week 17](M2017F_plan_Week17.pdf)

## Goal for the week

* You should have increased your knowledge and skills in Android / Xamarin

## Preparation before Wednesday

* Working with small exercises started last week

## Teachers plan for Wednesday

* Follow up on the last weeks of study
* We plan the week together
* Publish and selling APPS (Google Play, Microsoft Marked, Apple App store)
* Using Azure for services
* **Startup with some exercises**

**Next week (week 15 - is easter and no lecture)**

**Week 16 – Company visit with Adam (all class)   
- spilfabrikken & Daxiomatic**

**Resources**

* Azure – service and more on Azure
  + [Microsoft Imagine til studerende - Microsoft Azure](https://azure.microsoft.com/da-dk/pricing/member-offers/imagine/)
* Getting your Android app on google play marked
  + From TheNewBoston - about google play - app on marked.
    - [145 - Exporting apk and signing keystore](https://www.youtube.com/watch?v=IYhJp-jqJyM&index=145&list=PL2F07DBCDCC01493A)
    - [146 - Obtaining Key for a specific Project](https://www.youtube.com/watch?v=95y8wsjvnHE&index=146&list=PL2F07DBCDCC01493A)
    - [199 - Putting an App on the Market](https://www.youtube.com/watch?v=1j4prh3NAZE&index=199&list=PL2F07DBCDCC01493A)
    - [200 - Updating Application](https://www.youtube.com/watch?v=s9ryE6GwhmA&index=200&list=PL2F07DBCDCC01493A)
  + <https://romannurik.github.io/AndroidAssetStudio/> to make icons
* About parsing XML and JSON
  + [XmlPullParser Android Developers](http://developer.android.com/reference/org/xmlpull/v1/XmlPullParser.html)
  + [Android XML Parsing Tutorial](http://www.androidhive.info/2011/11/android-xml-parsing-tutorial/)
  + [JSON - Android Developers](http://developer.android.com/reference/org/json/package-summary.html)
  + [Android JSON Tutorial: Create and Parse JSON data](http://www.javacodegeeks.com/2013/10/android-json-tutorial-create-and-parse-json-data.html)
* From TheNewBoston about XML and JSON
  + [150 - Introduction to JSON parsing](https://www.youtube.com/watch?v=H1o15gHPw2A&index=150&list=PL2F07DBCDCC01493A)
  + [151 - JSONArrays and JSONObjects](https://www.youtube.com/watch?v=YgkhwNGIFOk&index=151&list=PL2F07DBCDCC01493A)
  + [152 - Appending with StringBuilder](https://www.youtube.com/watch?v=USzAbMTK66s&index=152&list=PL2F07DBCDCC01493A)
  + [153 - Reading JSON information](https://www.youtube.com/watch?v=5SP7a2thq6g&index=153&list=PL2F07DBCDCC01493A)
  + [154 - Setting up XML Parsing Project](https://www.youtube.com/watch?v=Z1rtldBTzCE&index=154&list=PL2F07DBCDCC01493A)
  + [155 - StringBuilder and XML Parsing Framework](https://www.youtube.com/watch?v=meXgGO4LTO8&index=155&list=PL2F07DBCDCC01493A)
  + [156 - Setting up a parsed XML data collection class](https://www.youtube.com/watch?v=pb1vwqPE9hE&index=156&list=PL2F07DBCDCC01493A)
  + [157 - SAXParserFactory and XMLReader](https://www.youtube.com/watch?v=Bi69ZAiYHOI&index=157&list=PL2F07DBCDCC01493A)
  + [158 - Start Element method](https://www.youtube.com/watch?v=iIGtHOo1fqY&index=158&list=PL2F07DBCDCC01493A)
  + [159 - Finishing XML parser](https://www.youtube.com/watch?v=dWV4Z4nHkS8&index=159&list=PL2F07DBCDCC01493A)
* General 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_tree_structure.htm>  
  - <http://www.tutorialspoint.com/xml/xml_attributes.htm>

# PUSH notification – some links

## Microsoft Azure

azure-docs/notification-hubs-java-push-notification-tutorial.md at master · Microsoft/azure-docs · GitHub  
<https://onesignal.com/?gclid=Cj0KEQjw2fLGBRDopP-vg7PLgvsBEiQAUOnIXC2rop9b16aqu5QSMVu2tiboQv19EQ9CtAuGEDsHc5caAs_P8P8HAQ>

Interessant pga skitser for virkemåde selvom Win8  
Implementing Windows 8 Push Notifications – An Example – Jayway   
<https://blog.jayway.com/2011/10/12/implementing-windows-8-push-notifications-an-example/>

Azure Notification Hubs Notify Users for Android with .NET backend | Microsoft Docs  
<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-aspnet-backend-gcm-android-push-to-user-google-notification>

Sending push notifications to Android with Azure Notification Hubs | Microsoft Docs  
<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-android-push-notification-google-gcm-get-started>

## GOOGLE services

Android Push Notification using GCM Tutorial  
<https://www.simplifiedcoding.net/android-push-notification-using-gcm-tutorial/>

Push Notifications Tutorial for Android Using GCM  
<https://www.intertech.com/Blog/push-notifications-tutorial-for-android-using-google-cloud-messaging-gcm/>

Integrate Google Cloud Messaging | Android Developers  
<https://developer.android.com/distribute/best-practices/engage/rich-notifications.html>

Set up a GCM Client App on Android  |  Cloud Messaging  |  Google Developers  
<https://developers.google.com/cloud-messaging/android/client>

## Amazon Serviices:

AWS Push Notification Service | Amazon SNS  
<https://aws.amazon.com/sns/?sc_channel=PS&sc_campaign=acquisition_ND&sc_publisher=google&sc_medium=sns_nb&sc_content=android_push_notification_p&sc_detail=android%20push%20notification&sc_category=sns&sc_segment=186574519594&sc_matchtype=p&sc_country=ND&s_kwcid=AL!4422!3!186574519594!p!!g!!android%20push%20notification&ef_id=UpjXtgAABEqPtDZz:20170330160554:s>

## Other:

Push Notifications Fixer – Android-apps på Google Play  
<https://play.google.com/store/apps/details?id=com.andqlimax.pushfixer.noroot&hl=da>

OneSignal - Multi-platform Push Notification Service  
<https://onesignal.com/?gclid=Cj0KEQjw2fLGBRDopP-vg7PLgvsBEiQAUOnIXC2rop9b16aqu5QSMVu2tiboQv19EQ9CtAuGEDsHc5caAs_P8P8HAQ>