

Native Mobile Applications

TalTech, Andres Käver, 2020-2021, Fall semester

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Requirements - Android

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- ▶ Development environment – latest Android Studio (start installing now!)
 - ▶ <http://developer.android.com/sdk/index.html>
 - ▶ Base OS – free choice (Windows, macOS, Linux)
 - ▶ Personal PC – can't really use school computers
- ▶ Personal Android device – (phone/tablet) strongly recommended
- ▶ Use personal laptop for development (or RDP to somewhere)

Requirements - iOS

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- ▶ Development environment – latest XCode
 - ▶ <https://developer.apple.com/xcode/>
 - ▶ Only on macOS
 - ▶ Personal mac PC (ICO-320 class has 12 iMacs)
- ▶ Personal iOS device – (phone/tablet) strongly recommended
- ▶ Use personal mac laptop for development (or RDP to somewhere)
- ▶ Virtual machine is also a possibility(although macOS does not work well in VM-s under the load)
- ▶ Rent computer time from some service - popular choice
 - ▶ MacInCloud, HostMyApple, MacStadium, vmOSX, Xcloud, Xcodeclub

Grading

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- ▶ Projects in git - <https://gitlab.cs.ttu.ee> – log in with your Uni-ID
 - ▶ Git repo has to be named exactly: **icd0017-2020f**
 - ▶ All projects in the same repo – in different folders
 - ▶ Use .gitignore
 - ▶ Put README.md in root folder, with your name and student code
- ▶ Grading is based on projects/commits in git
- ▶ 2 to 5 projects on both platforms (depends of the tempo)
- ▶ Slides, HW-s, Demo projects
 - ▶ <https://git.akaver.com/native-mobile-apps-2020-fall/>

Grading

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- ▶ Total max $70+30 = 100$ points
- ▶ Max per smaller project (or sub project), done before deadline – 70p / by project and sub project count
- ▶ Final bigger project – 30 points
- ▶ All projects and their minimal requirements are mandatory
- ▶ Every day over deadline -5%. So max 19 late days. $19 \cdot -5\% = -95\%$. 20+ late days – no points.
- ▶ In case of fail-pass – all projects are mandatory, graded as fail-pass.

Communication

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- ▶ Moodle: <https://moodle.taltech.ee/course/view.php?id=24940>
- ▶ Moodle key for students: **native2020**
- ▶ MS Teams
<https://teams.microsoft.com/l/team/19%3ae60a736b415e4ec58ec073956eddcab4%40thread.tacv2/conversations?groupId=9299186c-20e7-4c8e-aec6-8e4649da5b14&tenantId=3efd4d88-9b88-4fc9-b6c0-c7ca50f1db57>
- ▶ MS Teams code: **yikf4rd**
- ▶ MS Teams channel: Native Mobile Applications (ICD0017) - 2020 Fall
- ▶ Skype: akaver
- ▶ Email: akaver@itcollege.ee andres.kaver@taltech.ee

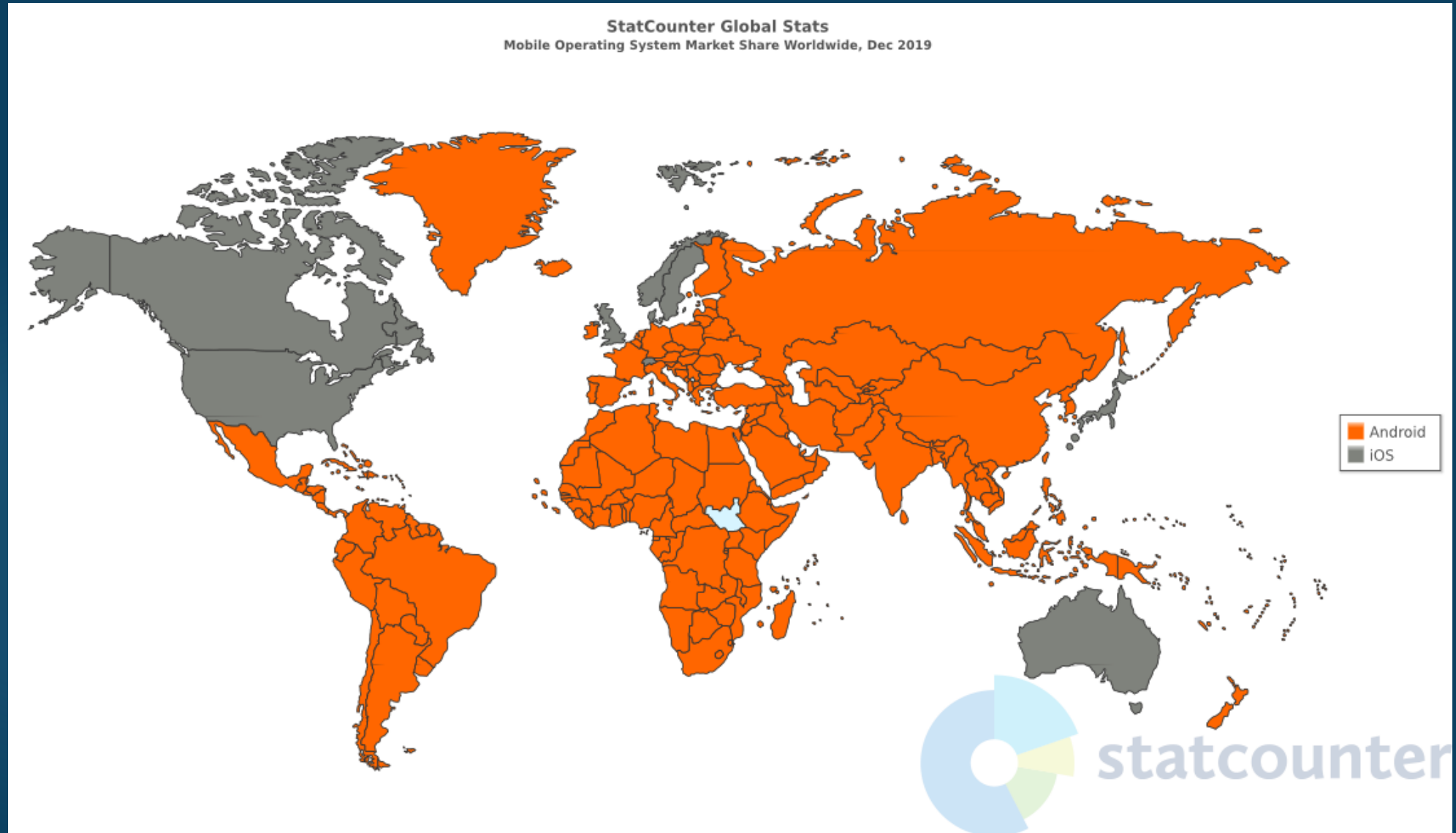
Feedback from OIS

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- ▶ <https://enos.itcollege.ee/~akaver/AineKysitlused/>
- ▶ 2019-2020 spring
 - ▶ https://www.dropbox.com/s/gx0sitbneeyyp1x/Keskhinded_ja_kommentaariid_20200903_201836.csv?dl=0
- ▶ Minu arvates selline inimene ei tohiks õppejõud olla. Ma ei õppinud mitte midagi, sain hoopis depressiooni ja ärevushäired.

Mobile OS market share

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Tablet OS market share

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