**EMCS2430: Human Factors: People and Software**

4. Combining Permissions and Approaching the Problem of Permissions

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Let us now delve into permission systems more. Android and iOS are very different in this regard: Android asks for all its permissions up front, and iOS asks for them as it needs them. [NOTE: This is no longer strictly true in newer versions of Android, which has a hybrid. For the purposes of this module, let's assume the older Android versions, which asked for permissions up front.] See example screenshots below. Is either one strictly better than the other?

I think the one at a time permissions is better in general but I don’t see why you can do both. ALERT the user regarding the scope of permission that the app is going to request, then make the user allow them one at a time. It is annoying but, whatever, deal with it! Asking for it all up front means that most people won’t read it. Ask for it one at a time might have the same effect if the user doesn’t understand WHY the app needs the permission ( because they didn’t read earlier ).