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### Assignment 1: Reflections, Ideas, and Planning

1. One idea for a new app I have come up with is an app which can summarize all transactions made by connecting to a person's various accounts and removing transactions that show up twice. For example, if a bill is due and shows from one account and is then paid, the payment need only show up as one "item" in the list of transactions. Some functionality I would add to this idea that I got during the class is to add the ability to set the currency units and have the units updated with live exchange rates.
2. There are a few ways that developers can monetize their apps. One mentioned in class is the freemium model where the user can use the app or some parts of it for free but must pay for extras including added functionality, additional use, or even for an ad-free version of the software. Another way that developers can monetize their software is by selling licenses or subscriptions for use of their API if one is developed in the process of creating the final piece of software.
3. One app that I believe has excellent UI/UX is the Uber app. It is simple and neat and easy to use. You simply call for the type of car/ride you would like and agree to the payment and approximate arrival time and your experience with the app can be over. If you want, the app will offer you the chance to increase or decrease the tip after the fact but this is optional to the user. One thing that could be improved is to provide more explanation between the types of ride experiences you'll receive with each level of the services you select.
4. Right now the app I would like to create is one which allow a bar patron to be able to listen to the audio from any of the tv's within the bar depending on personal preference. Sending the audio through the user's smartphone allows each person to use their own set of headphones to not detract from other users' experience. One thing that I took from the discussion in class is that the interface will need to be simple not just for the user but for the bar owner or managers who will have to setup and maintain the local system. The class discussion also led me to thinking about some of the potential legal ramifications of an app like this. Because of this I think the app would have to have a geofence set around the bar so that only those within the bar could use it and it could not be used to distribute the audio outside the bar which has already paid to distribute it within the bar by way of their cable/tv bill.