

1. Provide 3 ideas of applications you want to build for your final. For each data provide the following:

- a. Board Game App

- i. Description of the app.

I want to have the app for board game reviews and chat for local people to get together and play board games. I also want to set up the app so that people can say they are at a public place playing a board game and what board game they are playing. How many people they are looking to join the board game, what type of board game it is and of course the place they are gaming board games at. I also what to set it up so that local stores can say they are having events or board game nights at their store.

- ii. Feature list and time estimate for each feature

I will need:

Layout: 5 hours

Internet: 5 hours

GPS: 5 hours

Database 20 hours

(for customers and different board games and ratings and chats)

The problem is I have no idea how long it will take for any of these.

- iii. Competitor and their App Store links

BGG, Board Game Stats, Board Game Bible, and Meepster, are all board game review sites. Meetup an app for finding like minded people has board game meetups. The only difference is that I would put them all in one app.

- iv. Proposed revenue model and reasoning

I wouldn't charge for this app. I am new to making apps and this app won't be very good. This app is more for experience than it is for money.

- b. Food App

- i. Description of the app.

I want to set up an app that focuses on what restaurant is open at the time the person searches for them. The app will only display restaurants that are open at the time the app is open. For people that are unfortunately up all hours of the night and there are not a lot of all night options.

This would require a server to properly implement. It's a good idea but requires a lot of server work. You can try using something like Firebase to implement an easy to use server back end.

ii. Feature list and time estimate for each feature

I will need:

Layout: 5 hours  
Internet: 5 hours  
GPS: 5 hours  
Database 10 hours

Restaurant database or maybe use Google.

The problem is I have no idea how long it will take for any of these.

This would be a good app if implemented it as a local database using Core Data and location. If you made the data have an open and a close time, you could make a query to get the restaurants that where the close time is later than now, but after the opening, for the day of the week. That coupled with displaying some additional information, location awareness, as well as the ability to add restaurants, would be a good feature set for an app.

iii. Competitor and their App Store links

Google does this, I want to make it better by only offering options that are available.

iv. Proposed revenue model and reasoning

I wouldn't charge for this app, Google already does this and it would just be good practice.

c. Student Form

i. Description of the app.

The student form would be like Piazza but instead of only a certain class it would be for all of a department. So if you had a question you could post it on this chat public or anonymously and any one in that department could help. So if a student who was in CS221 had a question and their TA couldn't explain it very well and their classmates don't know it. They could post the question on the form and anyone from the computer science department could answer it. I would also make it open to former students that have already graduated. That way they could help with upper level classes (like Operating Systems) that is hard to find a TA for because normal by the time you are done with the class you are graduating. If I made this app I would just set it up for the cs department to start.

This one would require a substantial backend server and also isn't specifically a mobile app. I like this idea, and probably something the department should have in some manner. It's difficult to answer specific questions about another course but a general forum would be interesting. If you can think of mobile specific technologies to implement for this, it would be a decent app idea for your final.

ii. Feature list and time estimate for each feature

I will need:

Layout: 5 hours  
Internet: 5 hours  
Database 10 hours

(Database for students, comments and chats)

The problem is I have no idea how long it will take for any of these.

- iii. Competitor and their App Store links  
Piazza is a competitor but mine would be for an entire department.
- iv. Proposed revenue model and reasoning  
I would not charge for this app, college students are broke enough as it is. Also allowing anyone to make an account, and not having a teacher to monitor it, the information will not be well vetted. But sometimes a direction (even if it is the wrong direction) is better than no direction at all.

**Sometimes for you can target the university or the larger organization with money and provide this as a free service to the students.**